

# FastReport VCL 6

		I
<b>I</b>		<b>2</b>
1	.....	3
2	.....	4
3	.....	4
	"        ".....	4
	"        ".....	5
	"        ".....	6
	"        ".....	7
	"        ".....	8
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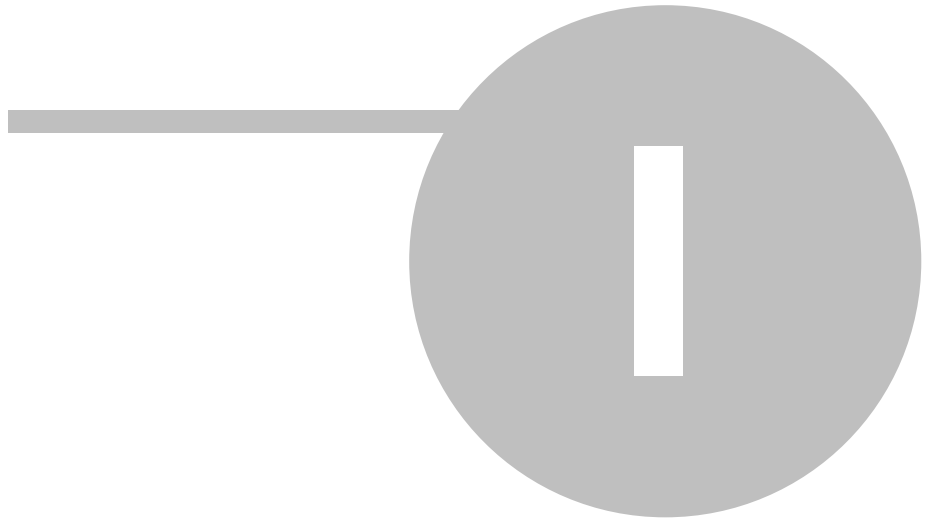
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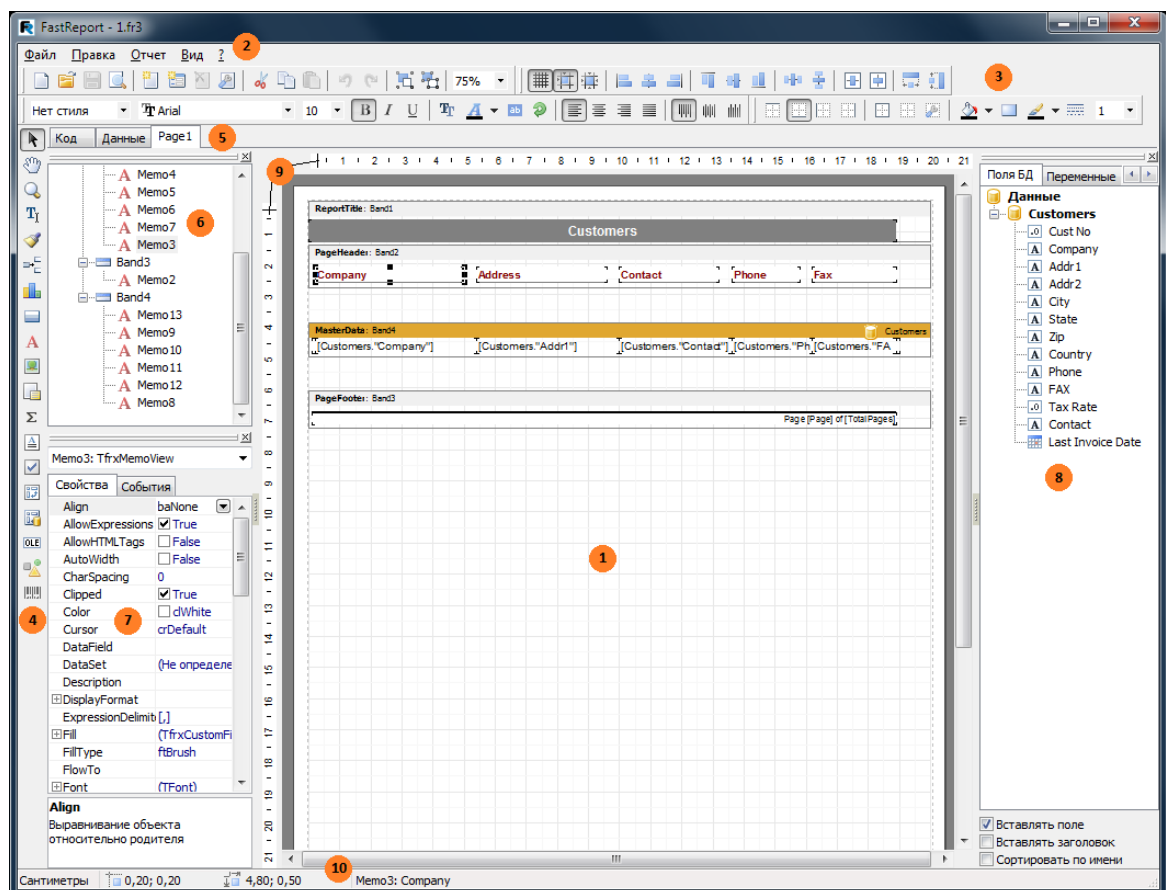
design-time

TfrxReport.

Delphi design-time.

TfrxDesigner  
frxDesgn.FastReport,  
run-time

uses



```

1 -           ;
2 -           ;
3 -           ;
4 -           ;
5 -           ;
6 - "         ",
7 - "         ",
8 - "         ".
9 -           ;
10-           ;

```

## 1.1

Ctrl+O	"   ..."
Ctrl+S	"   "
Ctrl+P	"   "
Ctrl+Z	"   "
Ctrl+C	"   "
Ctrl+V	"   "
Ctrl+X	"   "
Ctrl+A	"   "
, Tab	
Del	
Enter	
Shift+	
Ctrl+	
Alt+	


## 1.2





	; ; ( ). ,
	( ), .
	. , "
	.
Ctrl +	
Shift +	, , .
Ctrl +	; ; , , , , .
Alt +	" " ,

## 1.3

## 1.3.1

:









		, , .








		
		100%, 100%.
		" "
		" " " "

1.3.2

" "





		
		- Ctrl+O.
		Ctrl+S.
		- Ctrl+P.
		
		
		
		










		- Ctrl+X.
		- Ctrl+C.
		- Ctrl+V.
		- Ctrl+Z.
		- Ctrl+Y.
		
		
75% ▾		

## 1.3.3

" "












		“ ”
<b>Arial</b>		
<b>10</b>		
<b>B</b>		/
<b>I</b>		/
<b>U</b>		/
		,
		.

		" "
		.
		.
		.
		.
		.
		.
		.
		.

## 1.3.4

" "


















		/
		/
		/
		/
		.
		.
		.
		.
		.

		
		
<b>1</b>		

1.3.5

" "



## 1.4

Настройки дизайнера

**Сетка**

Тип	Размер		
<input checked="" type="radio"/> Сантиметры:	<input type="text" value="0,1"/>	см	<input checked="" type="checkbox"/> Показывать сетку
<input type="radio"/> Дюймы:	<input type="text" value="0,1"/>	in	<input checked="" type="checkbox"/> Выравнивать по сетке
<input type="radio"/> Точки:	<input type="text" value="4"/>	pt	
Диалоговая форма:	<input type="text" value="4"/>	pt	

**Шрифты**

Редактор кода	<input type="text" value="Courier New"/>	Размер	<input type="text" value="10"/>
Редактор текста	<input type="text" value="Arial"/>	Размер	<input type="text" value="10"/>

Использовать шрифт объекта

**Цвета**

Рабочее поле	<input type="text"/>
Окна	<input type="text"/>

Цвет сетки для LCD-монитора

**Прочее**

- Вызывать редактор после вставки
- Показывать заголовки бэндов
- Показывать выпадающий список полей
- Свободное размещение бэндов

Промежуток между бэндами:  pt

Восстановить настройки    ОК    Отмена



" " " " "

" " ' " , LCD- " " "

" " ' " " " "

" " " " " " "

" " " " " " "

" " " " " " "

" " " " " " "

" " " " " " "

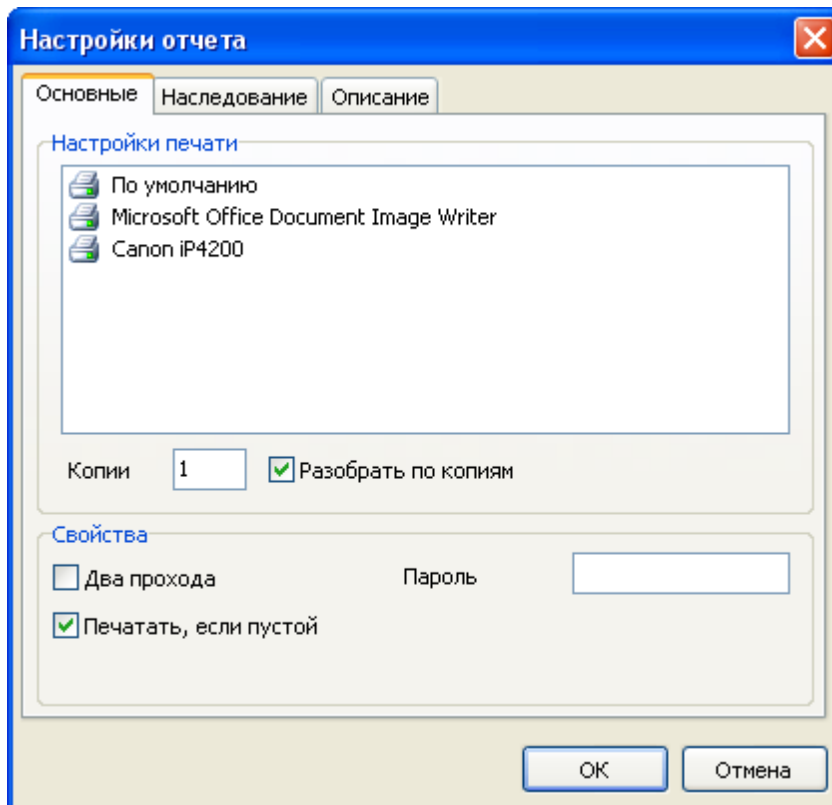
" " " " " " "

" " " " " " "

1.5

" | ..."

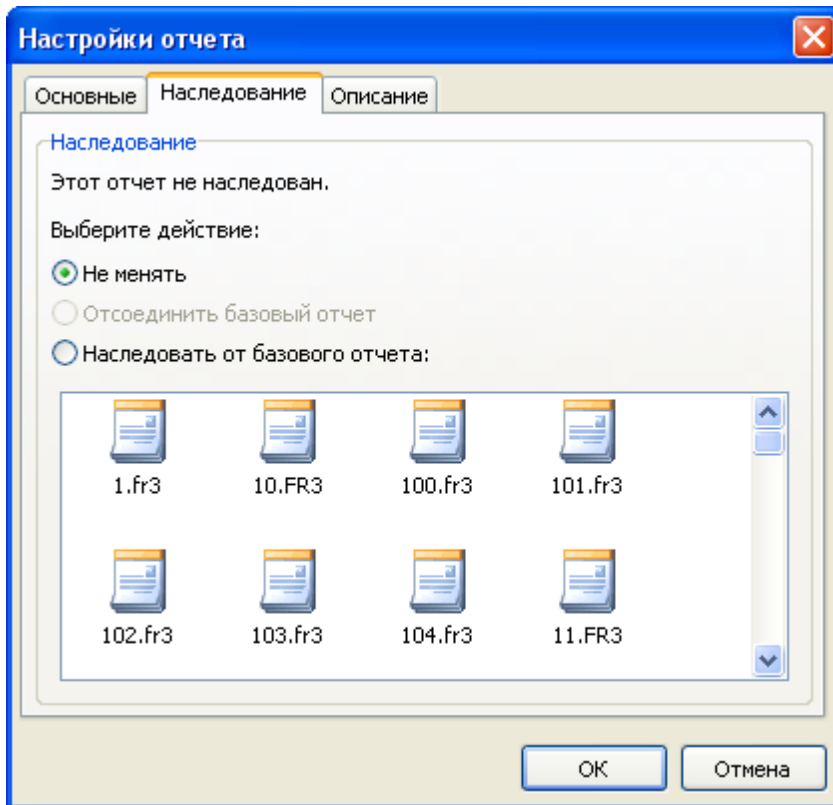
- :



TOTALPAGES.

0.


FR.



The image shows a Windows-style dialog box titled "Настройки отчета" (Report Settings). It has three tabs: "Основные" (Main), "Наследование" (Inheritance), and "Описание" (Description). The "Описание" tab is active. It contains the following fields and controls:


- Описание** (Description): A section header.
- Имя** (Name): A text input field.
- Автор** (Author): A text input field.
- Описание** (Description): A text area containing the text: "This report demonstrates the ability to draw diagrams on the 'Data' tab."
- Картинка** (Image): A placeholder box with a "Выбрать..." (Choose...) button next to it.
- Версия** (Version): A section header.
- Major**: A spin box.
- Minor**: A spin box.
- Release**: A spin box.
- Build**: A spin box.
- Создан** (Created): 20.09.2006 22:13:43
- Изменен** (Modified): 21.09.2006 18:27:19
- Buttons**: "ОК" and "Отмена" (Cancel).

## 1.6

**Настройки страницы** 

Страница **Прочее**


**Формат**

А4 

Ширина  см

Высота  см

**Ориентация**

Портретная 


Альбомная


**Поля**

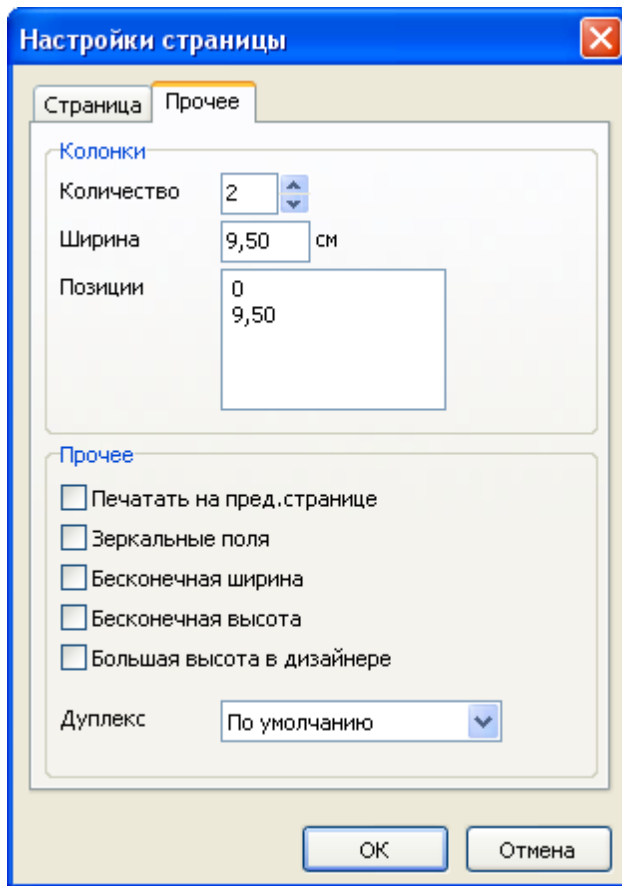
Левое  см      Правое  см

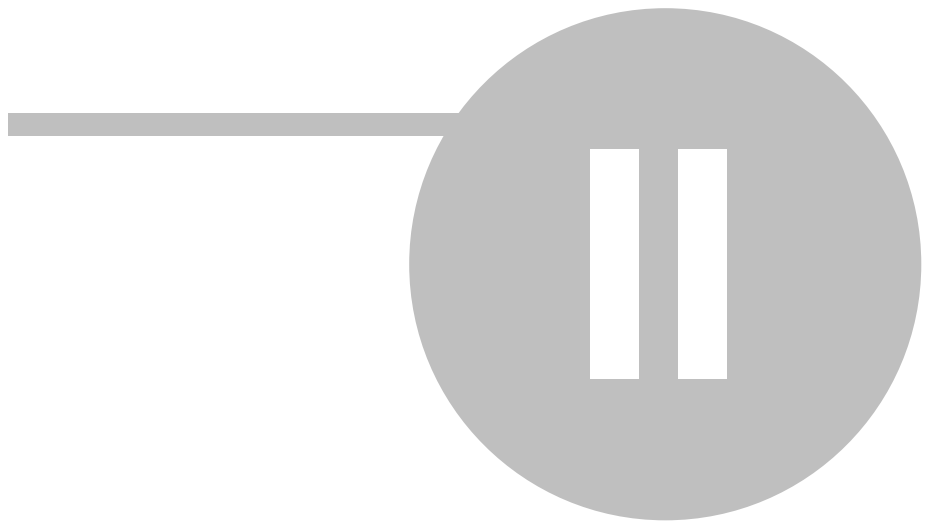
Верхнее  см      Нижнее  см

**Источник бумаги**

Для первой страницы  

Для остальных  





## 2.1

FastReport

( , )  
FastReport,

		BMP, JPEG, ICO, WMF, EMF.
		( , , )
		" " - , , , .
		( , . .).
RichText		Rich text (RTF).
-		
CheckBox		- .
		( ).
OLE		OLE. ,



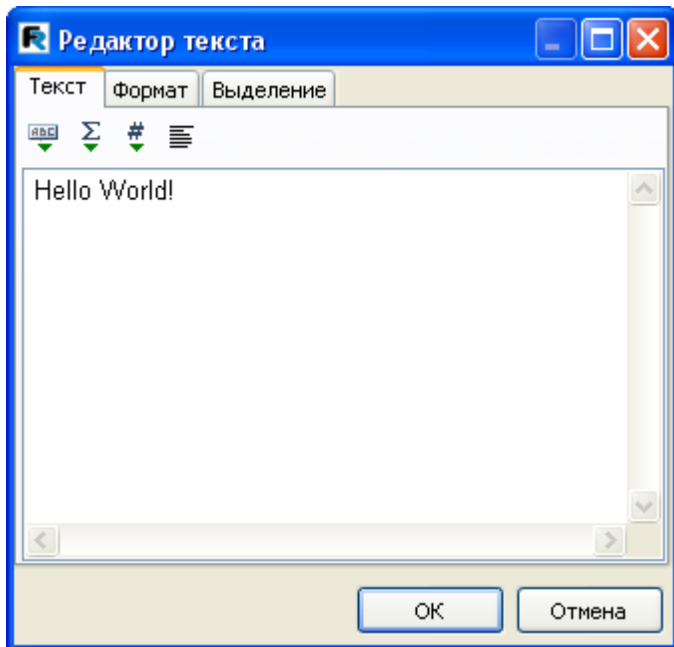
" " " " ,  
.

## 2.2 "Hello, World!"

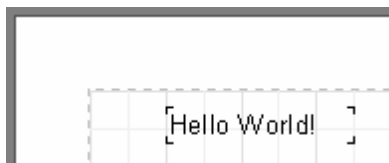
"Hello, World!". , FastReport.

" "

( ,)



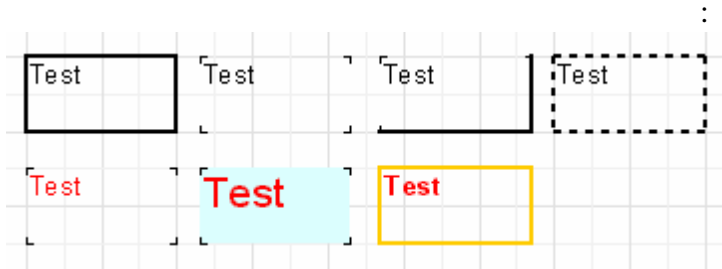
"Hello World!"



" | "

"Hello World!".

### 2.3



3

WordWrap,

5

9

".

(

),

"

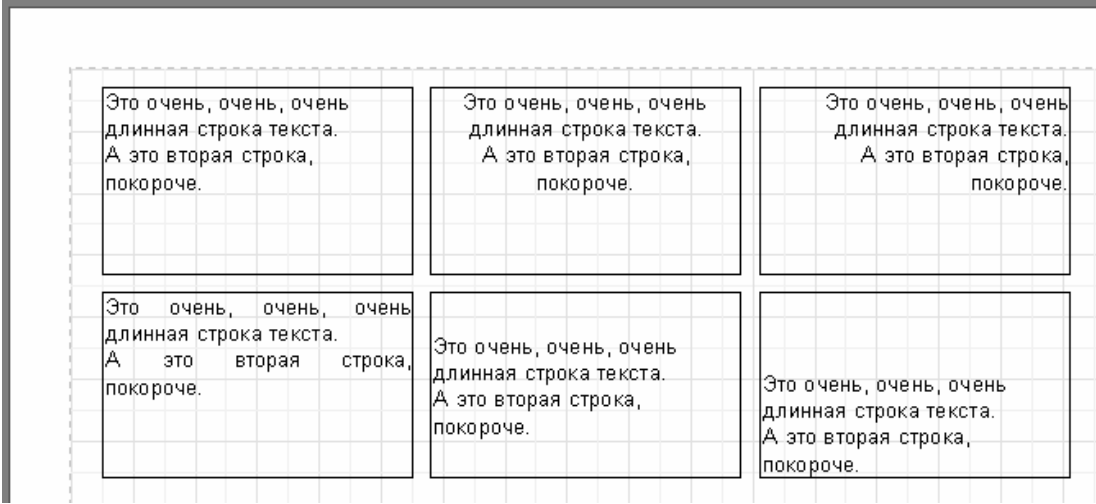
"

"

"

"

".



0.360

90, 180 270

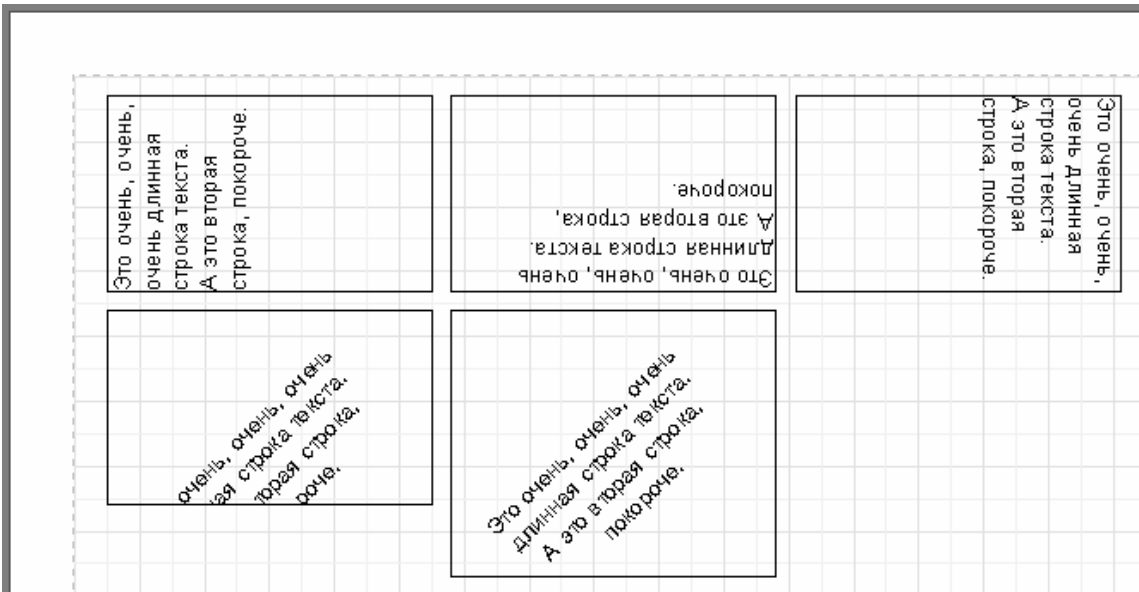
" "

45,

Rotation

90, 180, 270,

( . ).



" "

- BrushStyle - ;

- CharSpacing - ;

- GapX, GapY - , ;
- LineSpacing - ;
- ParagraphGap - , .

## 2.4 HTML-

, " " HTML.  
 ;  
 , "HTML"  
 "AllowHTMLTags"  
 .  
 :

- <b> -
- <i> -
- <u> -
- <strike> -
- <sub> -
- <sup> -
- <font color> -
- <nowrap> -

"WordWrap",

<b> </b> <i> </i> <b><i>  
 </b></i>  
 $E = mc^{\sup}2</sup>$   
 $A^{\sub}1</sub> = B^{\sup}2</sup>$   
 , <font color=red> </font>  
 , <font color="#FF8030"> </font>

текст	<b>жирный текст</b>	<i>наклонный текст</i>	<b><i>жирный и наклонный</i></b>
$E = mc^2$			
$A_1 = B^2$			
это обычный текст,	а это красный		
это обычный текст,	а это оранжевый		

<nowrap>.

- Fast Report.

Генератор отчетов - Fast Report.

- <nowrap>Fast Report.</nowrap>

Генератор отчетов - Fast Report.

## 2.5

*Hello, World! Today is [DATE].*

*Hello, World! Today is 01.01.2004.*

FastReport  
[1+2\*(3+4)].

, FastReport

*a[1] := 10*

FastReport [1]

*a1 := 10*

AllowExpressions ("

`a[1] := [myVar]`

FastReport  
ExpressionDelimiters, "[,]".

`a[1] := <myVar>`

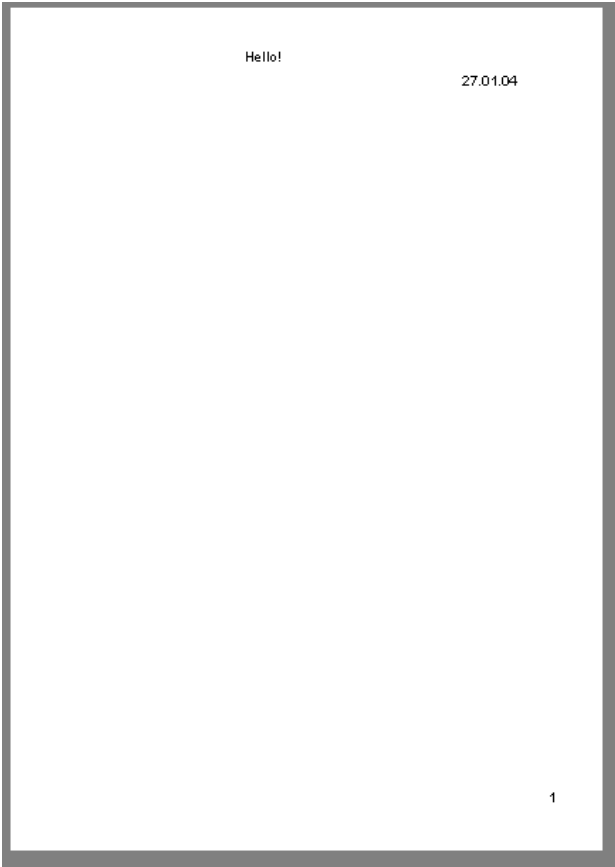
ExpressionDelimiters "<>".  
"%,%", "<%,%>".

`a[1] := <%myVar%>`

## 2.6

" (band) - " ".  
" ", FastReport,  
" "  
"Hello!"  
FastReport " "  
" " 1 " " "  
" 1 " - " "  
Delete " "  
" " " "  
FastReport





```

,
,
,
,
,
:
- " " ;
- " " ;
- " " (
TitleBeforeHeader, );
- " " ,

```

## 2.7

```

-
,
-
?
( ),
( ).
FastReport - - , - .

```







## 2.9

DBDEMOS.

Delphi.

Delphi –  
TTable

*DatabaseName = 'DBDEMOS'*  
*TableName = 'Customer.db'*

TfrxDBDataSet

FastReport,

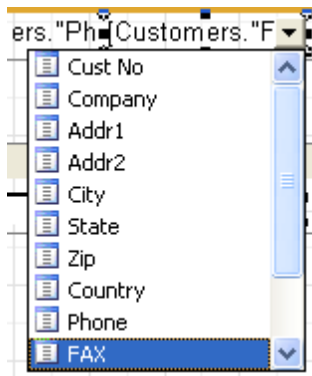
*DataSet = Table1*

```

FastReport - TfrxReport.
FastReport
", " 1 "
FastReport,
" | ..."
( )
" "
" " " " 1 "

```





ReportTitle: ReportTitle1			
[Список клиентов]			
MasterData: MasterData1			frDBDataSet1
[frDBDataSet1]	[frDBDataSet1."Company"]	[frDBDataSet1."Pho"]	[frDBDataSet1."FAX"]
PageFooter: PageFooter1			
			[Page#]

Список клиентов			
1221	Kauai Dive Shoppe	808-555-0269	808-555-0278
1231	Unisco	809-555-3915	809-555-4958
1351	Sight Diver	357-6-876708	357-6-870943
1354	Cayman Divers World Unlimited	011-5-697044	011-5-697064
1356	Tom Sawyer Diving Centre	504-798-3022	504-798-7772
1380	Blue Jack Aqua Center	401-609-7623	401-609-9403
1384	VIP Divers Club	809-453-5976	809-453-5932
1510	Ocean Paradise	808-555-8231	808-555-8450
1513	Fantastique Aquatica	057-1-773434	057-1-773421
1551	Marmot Divers Club	416-698-0399	426-698-0399
1560	The Depth Charge	800-555-3798	800-555-0353
1563	Blue Sports	610-772-6704	610-772-6898
1624	Makai SCUBA Club	317-649-9098	317-649-6787
1645	Action Club	813-870-0239	813-870-0282
1651	Jamaica SCUBA Centre	011-3-697043	011-3-697043
1680	Island Finders	713-423-5675	713-423-5676

2.10

```

      ,      "      "      ,
      ,
      :
      DataSet, DataField.
      ,
      -
      :
      : [frxDBDataSet1."Contact_Person"]
      :
      -      -      "      -      ".
      ,
      .
      .
      -
      :
      : [<frxDBDataSet1."Length_in"> * 2.54]
      .
      ,
      ,
      .
      /
      ,
      (      ."
      "      ").
      FastReport
      ,
      : [frxDBDataSet1."Contact_Person">]
      : [frxDBDataSet1."Contact_Person"]
      , . . FastReport
      ,
      /
      ,
      :
      : [<frxDBDataSet1."Length_in"> * 2.54]

```

## 2.11

frxDBDataSet1

CustNo, Company, Phone, FAX.

"[frxDBDataSet1."CustNo"]".

"", "-", " ".

( ).

(

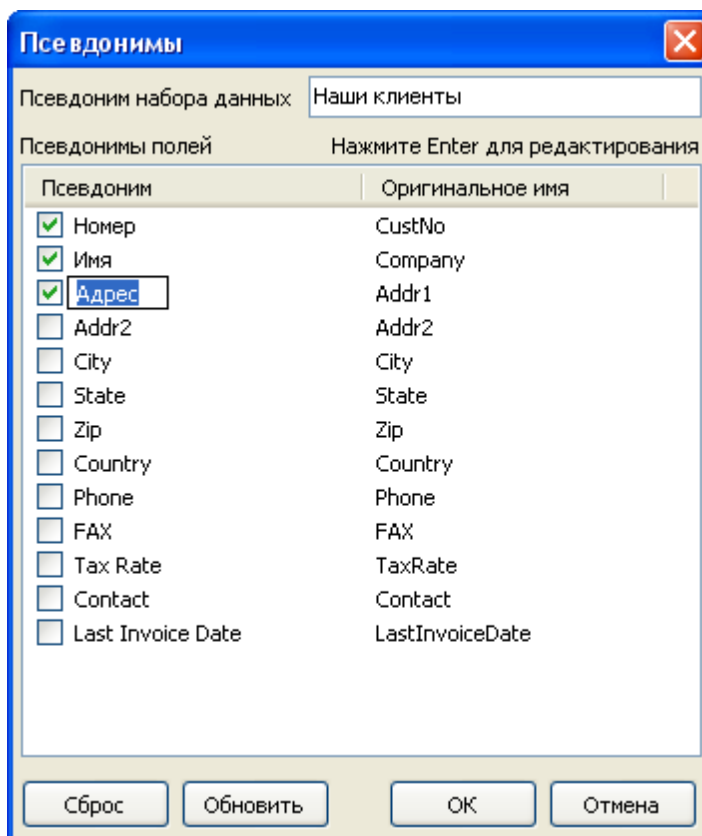
).

FastReport.

FastReport

frxDBDataSet1,

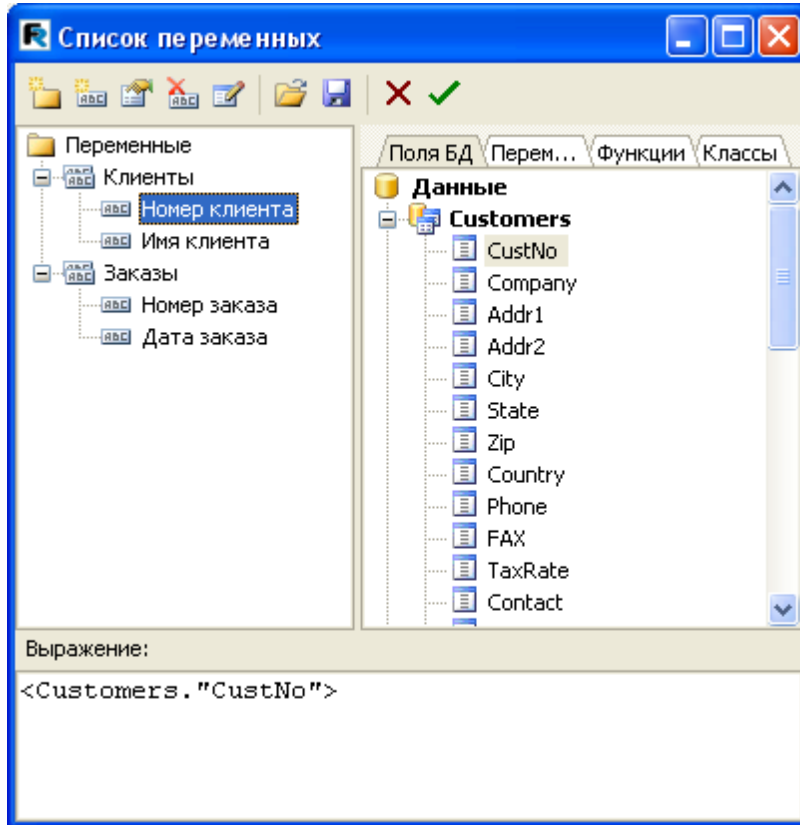
Delphi.



UserName

frxDBDataSet1.



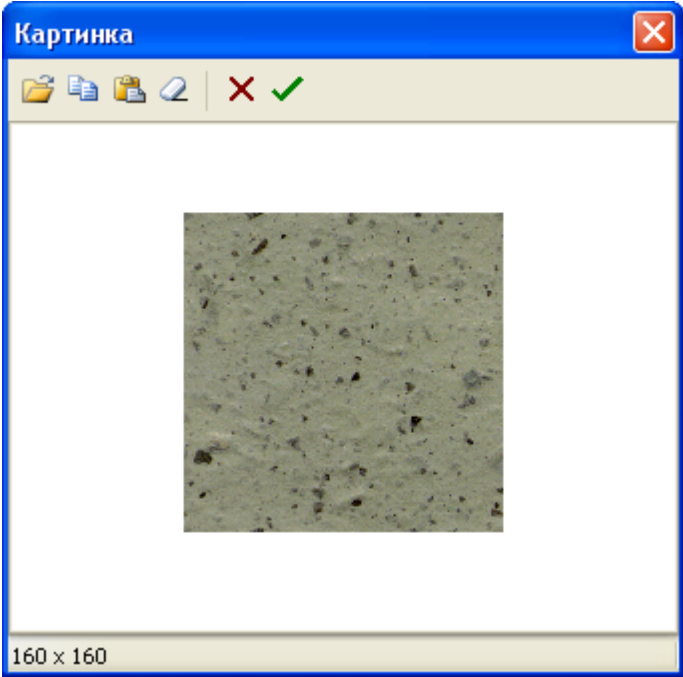


## 2.13

JPEG, ICO, WMF, EMF.

BMP,





- (AutoSize)
- (Stretch) -
- (Center)
- (KeepAspectRatio) -

```

" "
" "
:
" "
,
,
,
,
,
,
,
- FileLink,
: c:\picture.bmp.
,
: [picture_file]. FastReport
( )

```

## 2.14

```

" ", FastReport,
.
DataSet, DataField
" ",
,
DBDEMOS,
Delphi.
Delphi. TTable
:
DatabaseName = 'DBDEMOS'
TableName = 'Biolife.db'
,
TfrxDBDataSet : FastReport,
DataSet = Table1
UserName = 'Bio'

```

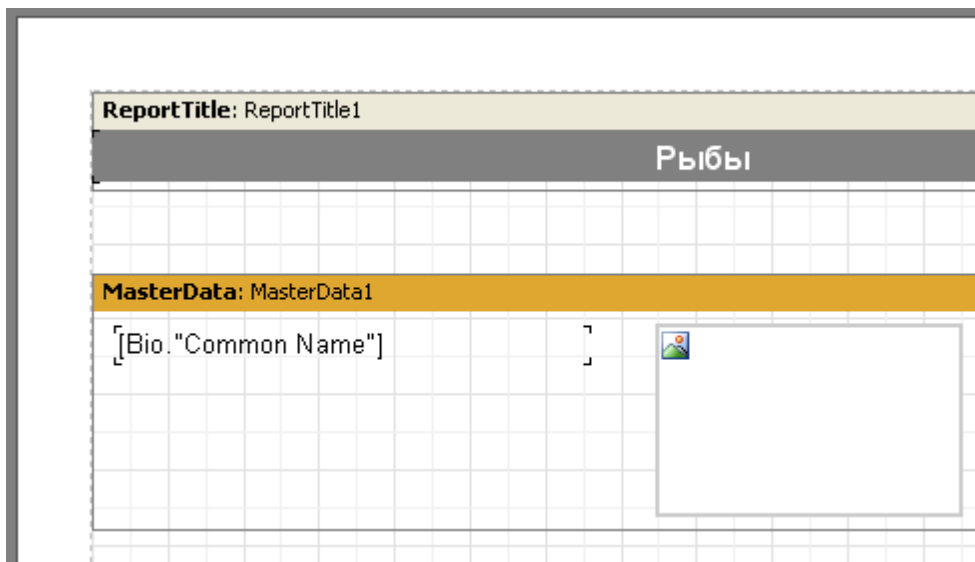
```

TfrxReport.
  FastReport
  " | ...".
  " " " " " " 1 " "
  ( "Bio" ).
  3 , "CommonName" , " "
  " " "Graphic".
  :

```

*DataSet = Bio*  
*DataField = 'Graphic'*

2.5 . 4



, ( . ):

РЫБЫ	
Clown Triggerfish	
Red Emperor	

## 2.15

РЫБЫ	
Clown Triggerfish	Also known as the big spotted triggerfish. Inhabits outer reef areas and feeds upon crustaceans and mollusks by crushing them with powerful teeth. They are voracious eaters, and divers report seeing the clown triggerfish devour beds of pearl oysters.
Red Emperor	Called seaperch in Australia. Inhabits the areas around lagoon coral reefs and sandy bottoms.  The red emperor is a valuable food fish and considered a great sporting fish that fights with fury when hooked. The flesh of an old fish is just as

```

, FastReport
"Notes"
" "
" "
" (Stretch).
" (AutoWidth) " " (StretchMode).
smDontStretch - ;
smActualHeight - ;
smMaxHeight - ;
smActualHeight. " " " " StretchMode =

```

РЫБЫ

Clown Triggerfish

Also known as the big spotted triggerfish. Inhabits outer reef areas and feeds upon crustaceans and mollusks by crushing them with powerful teeth. They are voracious eaters, and divers report seeing the clown triggerfish devour beds of pearl oysters.



Do not eat this fish. According to an 1878 account, "the poisonous flesh acts primarily upon the nervous tissue of the stomach, occasioning violent spasms of that organ, and shortly afterwards all the muscles of the body. The frame becomes rocked with spasms, the tongue thickened, the eye fixed, the breathing laborious, and the patient expires in a paroxysm of extreme suffering."

Not edible.

Red Emperor

Range is Indo-Pacific and East Africa to Somoa. Called seaperch in Australia. Inhabits the areas around lagoon coral reefs and sandy bottoms.



The red emperor is a valuable food fish and considered a great sporting fish that fights with fury when hooked. The flesh of an old fish is just as tender to eat as that of the very young.

Range is from the Indo-Pacific to East Africa.

Giant Maori Wrasse

This is the largest of all the wrasse. It is found in

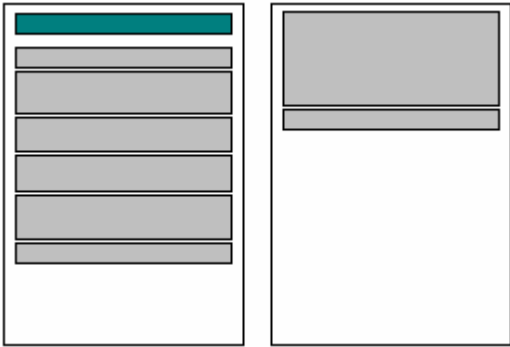


FastReport

2.16

FastReport

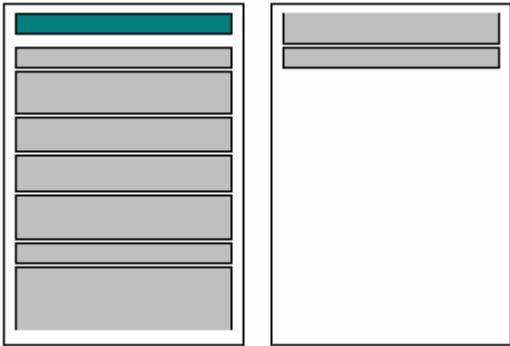
FastReport



FastReport

" (AllowSplit)

1



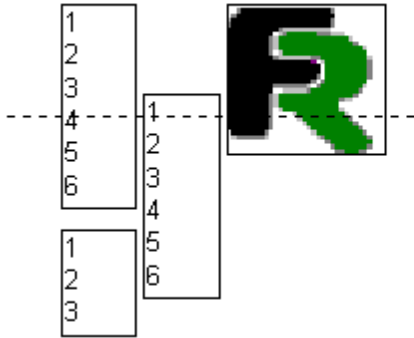
? FastReport

"RichEdit".

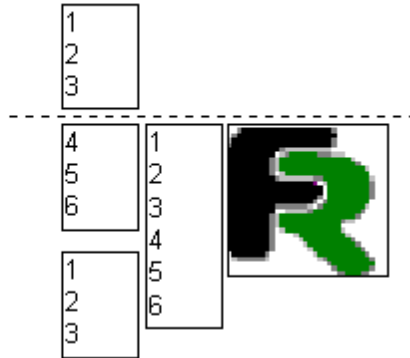
FastReport

- ;  
 - , ;  
 - , , ;

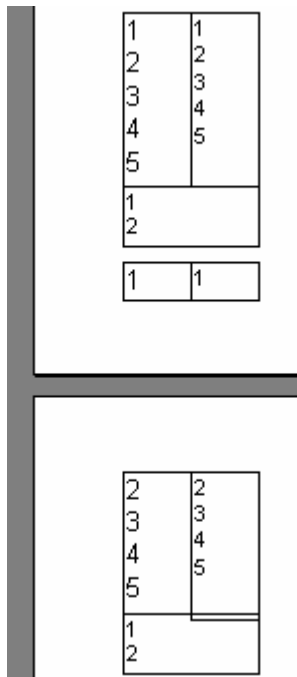
До разрыва:



После разрыва:



100%



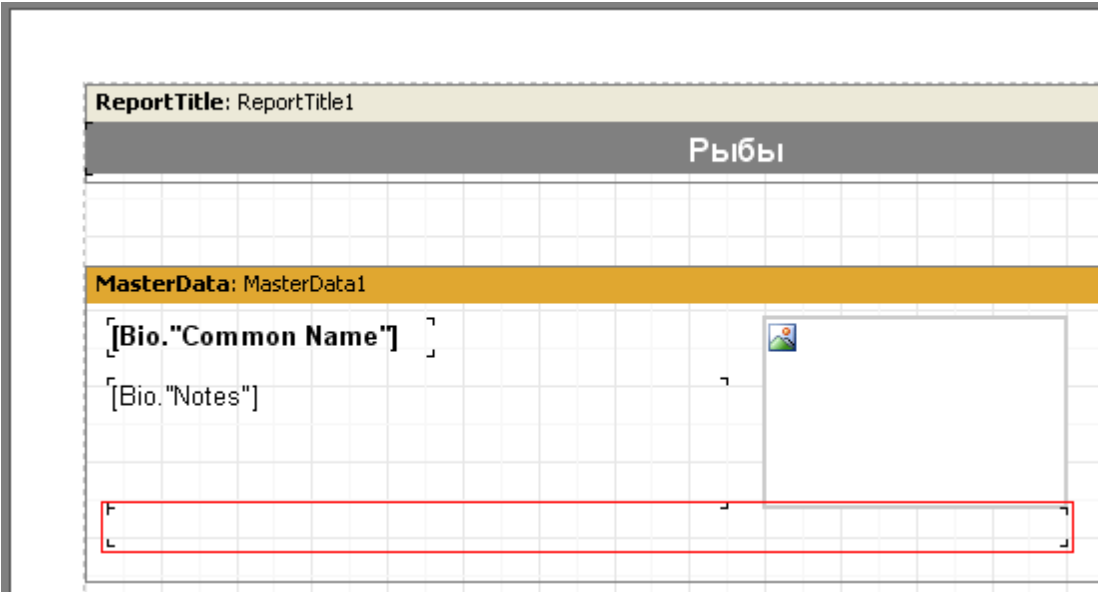


2.17

```

(
FastReport
" " (
)
:

```



```

Bio. "Notes"
,
Bio. "Notes"
,
Bio. "Notes"
FlowTo.
"
:

```

## РЫБЫ

**Clown Triggerfish**

Also known as the big spotted triggerfish. Inhabits outer reef areas and feeds upon crustaceans and mollusks by crushing them with powerful teeth. They are voracious eaters, and divers report seeing the clown triggerfish devour beds of pearl oysters.



Do not eat this fish. According to an 1878 account, "the poisonous flesh acts primarily upon the nervous tissue of the stomach, occasioning violent spasms of that organ, and shortly afterwards all the muscles of the body. The frame becomes rocked with spasms, the tongue thickened, the eye fixed, the breathing laborious, and the patient expires in a paroxysm of extreme suffering."

Not edible.

Range is Indo-Pacific and East Africa to Somoa.

**2.18**

FastReport,

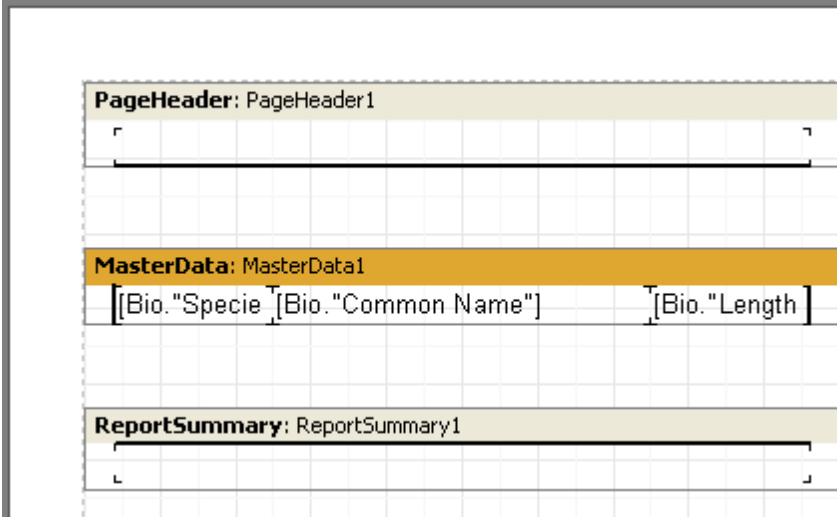
" "

**MasterData: MasterData1**

[Bio."Specie"]	[Bio."Common Name"]	[Bio."Length"]
----------------	---------------------	----------------

90020	Clown Triggerfish	50
90030	Red Emperor	60
90050	Giant Maori Wrasse	229
90070	Blue Angelfish	30
90080	Lunartail Rockcod	80

90020	Clown Triggerfish	50
90030	Red Emperor	60
90050	Giant Maori Wrasse	229
90070	Blue Angelfish	30
90080	Lunartail Rockcod	80



90020	Clown Triggerfish	50
90030	Red Emperor	60
90050	Giant Maori Wrasse	229
90070	Blue Angelfish	30
90080	Lunartail Rockcod	80
90090	Firefish	38
90100	Ornate Butterflyfish	19
90110	Swell Shark	102
90120	Bat Ray	56
90130	California Moray	150
90140	Lingcod	150
90150	Cabezon	99
90160	Atlantic Spadefish	90
90170	Nurse Shark	400
90180	Spotted Eagle Ray	200
90190	Yellowtail Snapper	75
90200	Redband Parrotfish	28
90210	Great Barracuda	150
90220	French Grunt	30
90230	Dog Snapper	90
90240	Nassau Grouper	91
90250	Bluehead Wrasse	15
90260	Yellow Jack	90
90270	Redtail Surfperch	40
90280	White Sea Bass	150
90290	Rock Greenling	60
90300	Senorita	25
90310	Surf Smelt	25

Bio.Notes.



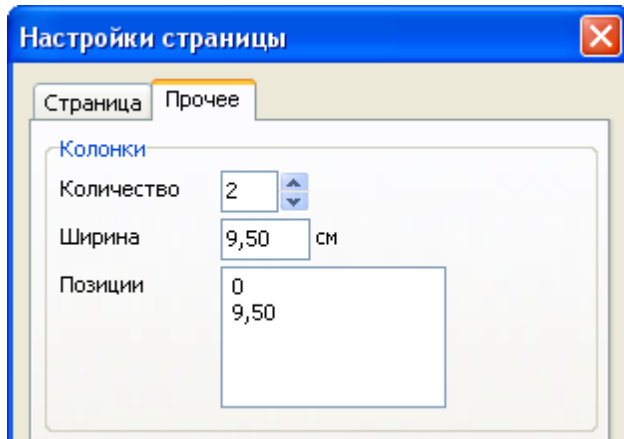
## 2.19

**MasterData: MasterData1**

Номер:	[Bio."Specie"]
Категория:	[Bio."Category"]
Название:	[Bio."Common Name"]
Длина:	[Bio."Length"]

Номер:	90020
Категория:	Triggerfish
Название:	Clown Triggerfish
Длина:	50

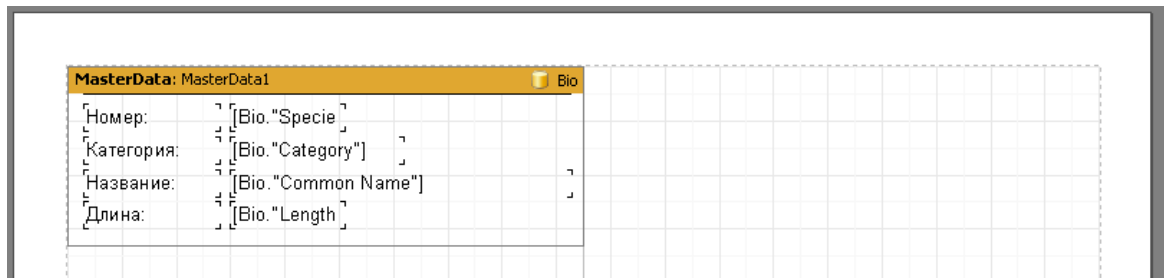
Номер:	90030
Категория:	Snapper
Название:	Red Emperor
Длина:	60



, = 2,

FastReport

:



. FastReport

" 1 "

FastReport

:



Номер:	90020	Номер:	90130
Категория:	Triggerfish	Категория:	Eel
Название:	Clown Triggerfish	Название:	California Moray
Длина:	50	Длина:	150
Номер:	90030	Номер:	90140
Категория:	Snapper	Категория:	Cod
Название:	Red Emperor	Название:	Lingcod
Длина:	60	Длина:	150

Columns  
 1) 2 Columns . FastReport  
 ColumnWidth ( )

MasterData: MasterData1		Bio
Номер:	[Bio."Specie"]	
Категория:	[Bio."Category"]	
Название:	[Bio."Common Name"]	
Длина:	[Bio."Length"]	

### 2.20 Child-

Bio."Common Name" 2.5  
 " 1 "

Номер:	90020
Категория:	Triggerfish
Название:	Clown Triggerfish
Длина, см:	50
Номер:	90030
Категория:	Snapper
Название:	Red Emperor
Длина, см:	60

Bio."Length (cm)",

" ( ShiftMode = smAlways

).

(

Child-

FastReport

MasterData: MasterData1	
Номер:	[Bio."Specie
Категория:	[Bio."Category"]
Название:	[Bio."Comm
Child: Child1	
Длина:	[Bio."Length

Child = Child1.

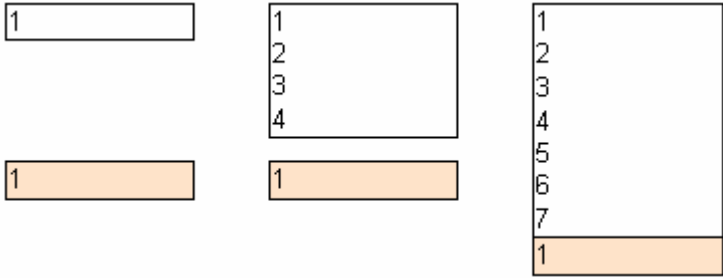
1

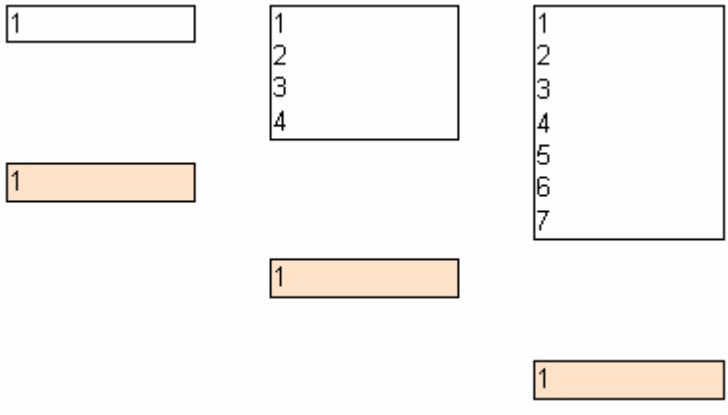
Номер:	90020
Категория:	Triggerfish
Название:	Clown Triggerfish
Длина:	50

), child-  
 ), child" (KeepChild

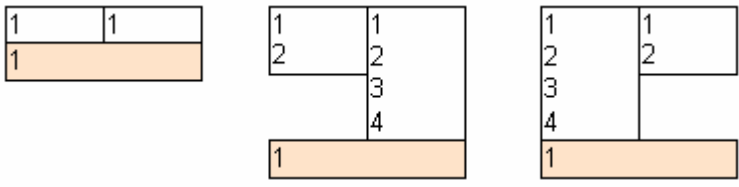
2.21

ShiftMode = smWhenOverlapped.





, " " , : ,



, " " , ,

2.22

(master-detail)

- " 1 ".  
 . FastReport  
 ( , " " , 6 ).  
 ; , 1-3 .  
 Customer Orders. - , -  
 , . :

**Customer:**

<u>CustNo</u>	<u>Company</u>
1221	Kauai Dive Shoppe
1231	Unisco
1351	Sight Diver
....	

**Orders:**

<u>OrderNo</u>	<u>CustNo</u>	<u>SaleDate</u>
1003	1351	12.04.1988
1023	1221	01.07.1988
1052	1351	06.01.1989
1055	1351	04.02.1989
1060	1231	28.02.1989
1123	1221	24.08.1993
....		

<u>OrderNo</u>	<u>CustNo</u>	<u>SaleDate</u>	<u>Company</u>
1003	1351	12.04.1988	Sight Diver
1023	1221	01.07.1988	Kauai Dive Shoppe
1052	1351	06.01.1989	Sight Diver
1055	1351	04.02.1989	Sight Diver
1060	1231	28.02.1989	Unisco
1123	1221	24.08.1993	Kauai Dive Shoppe
....			

```

TfrxDBDataSet      TfrxReport.
TTable,           TDataSource,
Delphi,
:

```

```

Table1:
DatabaseName = 'DBDEMOS'
TableName = 'Customer.db'

```

Table2:

*DatabaseName = 'DBDEMOS'*

*TableName = 'Orders.db'*

DataSource1:

*DataSet = Table1*

frxDBDataSet1:

*DataSet = Table1*

*UserName = 'Customers'*

frxDBDataSet2:

*DataSet = Table2*

*UserName = 'Orders'*

...": " 1 " " 2 " |

MasterData: MasterData1		Customers
[Customers."Cust No"]	[Customers."Company"]	

DetailData: DetailData1			Orders
[Orders."Cust No"]	[Orders."Order No"]	[Orders."Sale Date"]	

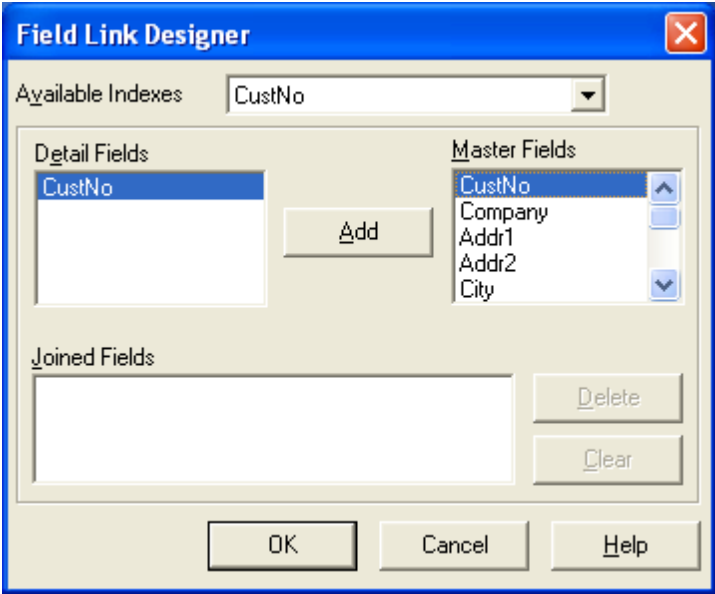
- " 1 " !  
" 2 ", FastReport

Orders.  
Orders.

Table2 MasterSource =

DataSource1. " - "

MasterFields Table2:

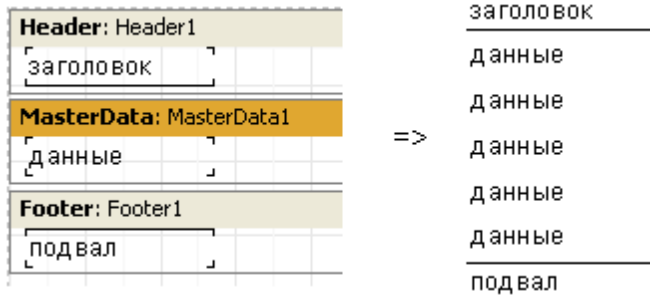


CustNo , CustNo "Add".

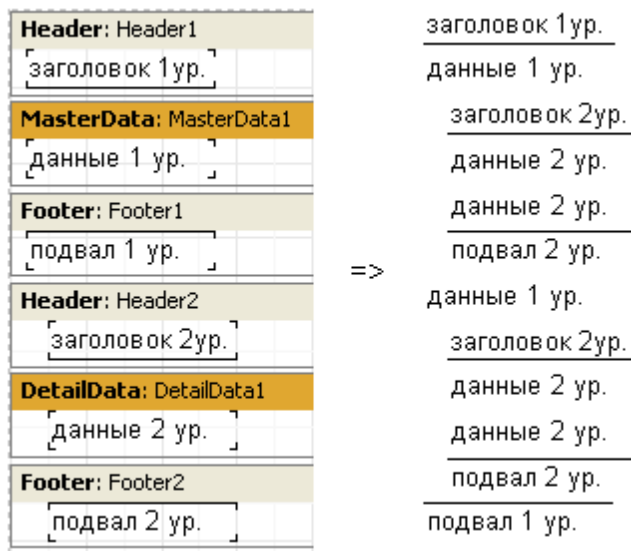
FastReport  
(Customer),  
(Orders).  
Orders.CustNo = Customer.CustNo. . .  
:

<b>1645</b>	<b>Action Club</b>	
1645	1014	25.05.1988
1645	1029	18.07.1988
1645	1038	26.08.1988
1645	1129	19.10.1993
<b>3158</b>	<b>Action Diver Supply</b>	
3158	1039	29.08.1988
<b>1984</b>	<b>Adventure Undersea</b>	
1984	1017	12.06.1988
1984	1037	26.08.1988
1984	1074	19.04.1989

## 2.23



master-detail:



```

" 1 "
" 2 " - " 1 "
FooterAfterEach (
"Footer"),

```



master-detail.

FooterAfterEach

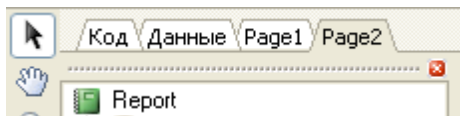
:

1

заголовок 1ур.  
 данные 1 ур.  
заголовок 2ур.  
 данные 2 ур.  
данные 2 ур.  
подвал 2 ур.  
 подвал 1 ур.  
 данные 1 ур.  
заголовок 2ур.  
 данные 2 ур.  
данные 2 ур.  
подвал 2 ур.  
 подвал 1 ур.





## 2.24

FastReport



(drag&drop),

Page2

-  Новая страница
-  Новая форма
-  Удалить страницу
-  Настройки страницы...

Наш отчет

Customers				
Company	Address	Contact	Phone	Fax
Action Club	PO Box 9481-F	Michael Spurling	813-470-0230	813-470-0282
Action Diver Supply	Blue Spar Box 83	Marianna Mills	22-44-800211	22-44-800595
Adventura Undersea	PO Box 744	Glaria Gonzalez	011-34-000954	011-34-000954
American SCUBA Supply	1739 Atlantic Avenue	Lynn Cincirjani	213-854-0022	213-854-0028
Aquatic Drama	921 Evangeline Way	Gillian Ostan	613-442-7854	613-442-7878
Blue Ocean Happiness	6945 W. Shara Lane	Christine Taylor	213-895-1984	213-895-1985
Blue Jack Aqua Center	23-7518 Paddington Lane	Ernest Barnett	401-859-7623	401-859-9403
Blue Sports	203 12th Ave, Box 768	Theresa Kunic	610-772-6704	610-772-6704
Blue Sports Club	63395 Niz Rinca Street	Henry Bakhons	612-897-0342	612-897-0348
Caramoran Diver Club	Box 294 Pleasure Point	Nicole Dupont	213-223-0441	213-223-2324
Cayman Divers World Unlimited	PO Box 541	Joe Bailey	011-5-897044	011-5-897054
Central Underwater Supplies	PO Box 757	Mark Evinsohn	27-15-443245	27-15-443250
Davy Jones Locker	246 South 16th Place	Tanya Wilgner	933-859-0112	933-859-0393
Divers Direct	24921 Universal Lane	Patricia Owen	713-423-0163	713-423-4211
Divers of Blue-grain	634 Conyax Ave.	Nancy Swan	205-895-7184	205-895-8199
Divers of Corfu Inc.	Miramont Place 54	Charles Lopez	30-951-83394	30-951-05143
Divers of Venice	220 Elm Street	Simona Green	613-443-2399	613-443-6942
Divers-for-His	G.O. P Box 61	Joe Hester	874-804876	874-059345
Flintknives Aquatics	232 669 # 5A-77 A.A.	Susan Wong	097-1-773494	097-1-773421
Fishermen's Eye	PO Box 7542	Bethan Lewis	809-895-4930	809-895-4939
Frank's Divers Supply	1485 North 44th St.	Lloyd Falbaum	803-895-2778	803-895-2780
Georgia Bean & Co.	#70 King Salmon Way	Bill Wyers	803-433-2771	803-433-3103
Gold Coast Supply	223-B Houston Place	Elaine Falls	205-895-2940	205-895-4094
Inland Finders	6133 1/2 Stone Avenue	Diamond Ortega	713-423-6776	713-423-6776
Jamaica SCUBA Centre	PO Box 83	Barbara Harvey	011-3-897043	011-3-897043
JamaicaSur, Inc.	PO Box 643	Jonathan West	809-895-2746	809-895-0329
Kauai Dive Shoppes	4-076 Sugarloaf Hwy	Erica Norman	809-895-0269	809-895-0278
K&K Enterprises	42 Aqua Lane	Ruthann Claus	713-899-8467	713-899-1073
Larry's Diving School	3982 NW Boca Street	Isakbell Nasca	803-403-7777	803-403-0199
Makal SCUBA Club	PO Box 8834	Donna Skias	317-846-0068	317-846-8787
Makal SCUBA Center	PO Box 82438 Zulu 7831	Stephen Boyett	88-35-88222	88-35-89040
Miamoz Divers Club	872 Ocean St.	Joyce Marsh	416-898-0399	428-898-0399
Neptune's Trident Supply	PO Box 120	Louise Franco	778-887-3146	778-887-6943
Nonwater SCUBA Limited	PO Box 9334	Angela Jones	778-123-0746	778-123-6705
Ocean Adventures	PO Box 485 Khol	Paul Bell	778-899-9284	778-899-9383
Ocean Pleasures	PO Box 8748	Paul Gardner	803-895-8231	803-895-8490
On-Targe SCUBA	7-797 63 Naniakona Road	Born Phillips	416-448-0288	416-448-0223
Princess Island SCUBA	PO Box 32 Wilkys	Anne Marachi	874-311023	874-311203
Professional Divers, Ltd.	4734 Malinda St.	Shirley Mathews	205-895-8333	205-895-4054
Safe Under the Sea	PO Box 7469	Anne Peck	809-899-4233	809-499-3002
San Pedro Diver Center	1701-D N Broadway	Patricia O'Brien	823-444-2910	823-444-2460
SCUBA Hawaii	PO Box 0-3274	Robert Mitchell	011-32-09488	011-32-09488
Shang-Lai Sports Center	PO Box 0-5486	Frank Pawlaka	011-32-08874	011-32-44038
Sight Diver	1 Neptune Lane	Phyllis Spooner	800-895-3768	800-895-0383
The Daphn Charge	16243 Underwater Way.	Sam Witherspoon	800-895-3768	800-895-0383
The Diving Company	PO Box 8336	Brian Mills	22-44-80008	22-44-09878
Tom Sawyer Diving Centre	652-1 The # Frydsholj	Chris Thomas	804-768-3122	804-768-7772
Tone Tite Tite	PO Box 1-4875	Kavin Riker	809-895-0163	809-895-6994
Underwater Pleasures	PO Box 842	Gwen Roworth	809-895-2214	809-895-2234

Page2 of 2

PrintToPreviousPage

" "

## 2.25 RowCount PageCount

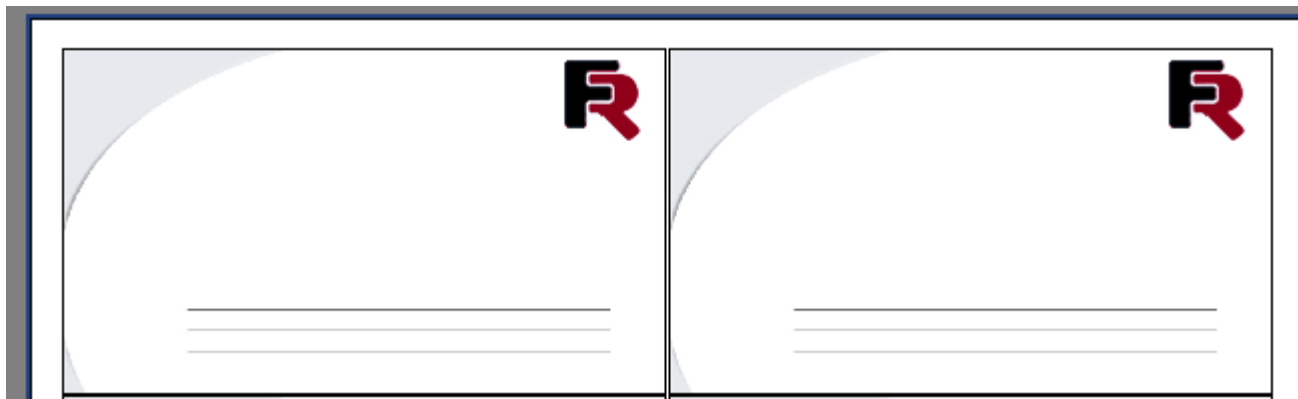
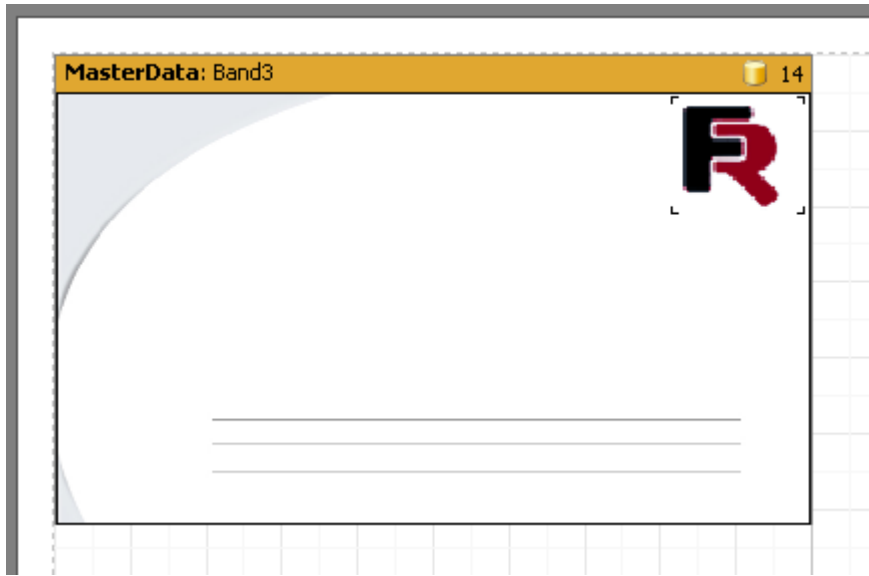
RowCount,

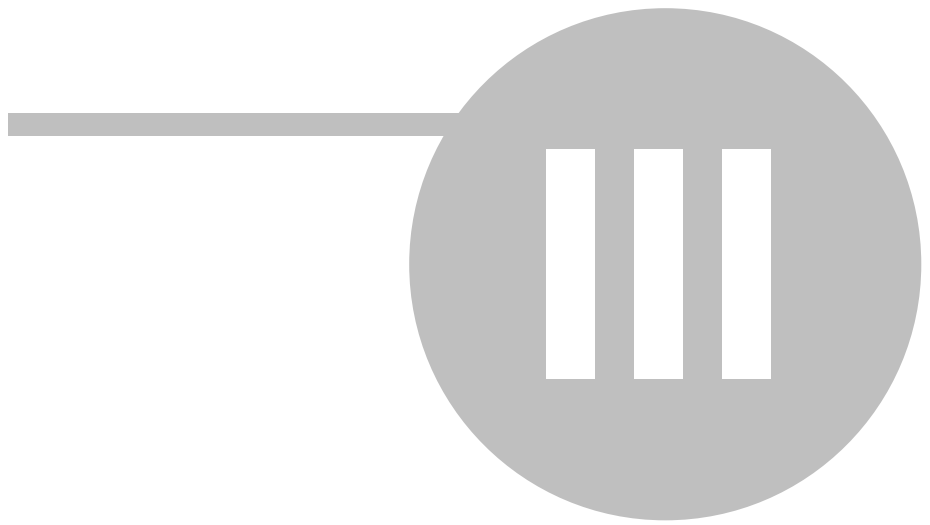
PageCount.  
/

14,

14

RowCount





,

## 3.1

```

. FastReport
,
SQL,
CustNo
. SQL-
:

select * from customer, orders
where orders.CustNo = customer.CustNo
order by customer.CustNo

"order by" CustNo.
:

CustNo Company ... OrderNo SaleDate
1221 Kauai Dive Shoppe 1023 01.07.1988
1221 Kauai Dive Shoppe 1123 24.08.1993
1231 Unisco 1060 28.02.1989
1351 Sight Diver 1003 12.04.1988
1351 Sight Diver 1052 06.01.1989
1351 Sight Diver 1055 04.02.1989

? FastReport
- " "
( ),
.
Delphi, TQuery,
TfrxReport, TfrxDBDataSet.
:

Query1:
DatabaseName = 'DBDEMOS'
SQL =
select * from customer, orders
where orders.CustNo = customer.CustNo
order by customer.CustNo

frxDBDataSet1:
DataSet = Query1

```

*UserName = 'Group'*

": " " " 1 " :  
" " " - Group.CustNo:

- Group  
( ,  
- ):

<b>GroupHeader:</b> GroupHeader1	Group."CustNo"
[Group."CustNo"] [Group."Company"]	
<b>MasterData:</b> MasterData1	Group
[Group."OrderNo"] [Group."SaleDate"]	

1221	Kauai Dive Shoppe
1076	16.12.1994
1123	24.08.1993
1169	06.07.1994
1176	26.07.1994
1269	16.12.1994
1023	01.07.1988
1231	Unisco
1160	01.06.1994
1302	16.01.1995

master-detail, SQL:

```
select * from customer, orders
where orders.CustNo = customer.CustNo
order by customer.CustNo, orders.OrderNo
```

master-detail:

```
- ( ) ;
- ;
- ;
- -
```

SQL SQL.





**1380 Blue Jack Aqua Center**

1006 06.11.1994  
1079 03.05.1989

1106 23.09.1992  
1153 16.04.1994  
1253 26.11.1994

**1384 VIP Divers Club**

1124 01.09.1993  
1207 11.11.1994

, " " ( KeepTogether  
) , . :

1356	Tom Sawyer Diving Centre
1105	21.07.1992
1305	20.01.1995
1280	26.12.1994
1180	06.08.1994
1080	05.05.1989
1072	11.04.1989
1059	24.02.1989
1005	20.04.1988
1266	15.12.1994

1380	Blue Jack Aqua Center
1006	06.11.1994

" (StartNewPage)

### 3.3

ResetPageNumbers ( " ) ,  
?

), 50, 51, 52 ( 49 ,  
 ?) , ,  
 . ,  
 .  
 - ResetPageNumbers  
 StartNewPage (" " ),  
 .  
 [Page], [TotalPages],  
 " "

### 3.4 (drill-down)

DrillDown ( " " )  
 ).  
 ,  
 ( ) ,  
 , ( ) , ShowFooterIfDrillDown).  
 , :

Customers				
Company	Address	Contact	Phone	Fax
<b>A</b>				
<b>B</b>				
<b>C</b>				
Catamaran Dive Club	Box 264 Pleasure Point	Nicole Dupont	213-223-0941	213-223-2324
Cayman Divers World Unlimited	PO Box 541	Joe Bailey	011-5-697044	011-5-697064
Central Underwater Supplies	PO Box 737	Maria Eventosh	27-11-4432458	27-11-4433259
				Count: 3
<b>D</b>				
<b>F</b>				

ExpandDrillDown.  
 True.



1	1221	Kauai Dive Shoppe
1	1076	16.12.1994
2	1123	24.08.1993
3	1169	06.07.1994
4	1176	26.07.1994
5	1269	16.12.1994
6	1023	01.07.1988
2	1231	Unisco
7	1160	01.06.1994
8	1302	16.01.1995
9	1278	23.12.1994

### 3.6

FastReport

SUM	
MIN	
MAX	
AVG	
COUNT	

( - SUM): ( COUNT)

SUM(expression, band, flags)  
 SUM(expression, band)  
 SUM(expression)

expression – ,  
 band – - ,  
 flags – ,

```

1 -
2 - ( )
, expression,
band,
COUNT
COUNT(band, flags)
COUNT(band)

```

<b>GroupHeader:</b> GroupHeader1		
[Group."CustNo"]	[Group."Company"]	
<b>MasterData:</b> MasterData1		
[Group."OrderNo"]	[Group."SaleDate"]	[Group."ItemsTotal"]
<b>GroupFooter:</b> GroupFooter1		
	[SUM(<Group."ItemsTotal">,MasterData1)]	

Group."ItemsTotal"

1221	Kauai Dive Shoppe	
1076	16.12.1994	17781
1123	24.08.1993	13945
1169	06.07.1994	9471,95
1176	26.07.1994	4178,85
1269	16.12.1994	1400
1023	01.07.1988	4674
		<hr/>
		51450,8

FastReport " " ?

SUM MasterData1).

Group."ItemsTotal".

flags

Visible

[SUM(<Group."ItemsTotal">,MasterData1,1)]

1221	Kauai Dive Shoppe	
		<hr/>
		51450,8
1231	Unisco	
		<hr/>
		85643,6
1351	Sight Diver	
		<hr/>
		261575,8

flags = 2

```
[SUM(<Group."ItemsTotal">,MasterData1,3)]
```

3 –

1 2,

,

:

1221	Kauai Dive Shoppe	51450,8
1231	Unisco	137094,4
1351	Sight Diver	398670,2

### 3.7

"

"

.

.

-

"

"

,


"

"

,

.



**Служебный текст** 

Системная переменная


Агрегатная функция

Функция:

Дата-бэнд:

Набор данных:

Поле БД:

Выражение:  

Учитывать невидимые бэнды

Нарастающим итогом

SUM(<Group."ItemsTotal">,MasterData1)

Текст

### 3.8

<b>GroupHeader:</b> GroupHeader1		
[Group."CustNo"]	[Group."Company"]	
<b>MasterData:</b> MasterData1		
[Group."OrderNo"]	[Group."SaleDate"]	[Group."ItemsTotal"]
<b>GroupFooter:</b> GroupFooter1		
	[SUM(<Group."ItemsTotal">,MasterData1)]	
<b>ReportSummary:</b> ReportSummary1		
	Всего: [SUM(<Group."ItemsTotal">,MasterData1)]	
<b>PageFooter:</b> PageFooter1		
	На этой странице: [SUM(<Group."ItemsTotal">,MasterData1)]	

" , " " " " " "

9841	Neptune's Trident Supply	
1149	14.03.1994	12900,75
1045	16.10.1988	787,8
1049	13.12.1988	1809,85
1145	17.01.1994	4229,8
		19728,2
		Всего: 2922666,1
		На этой странице: 320872,8



,

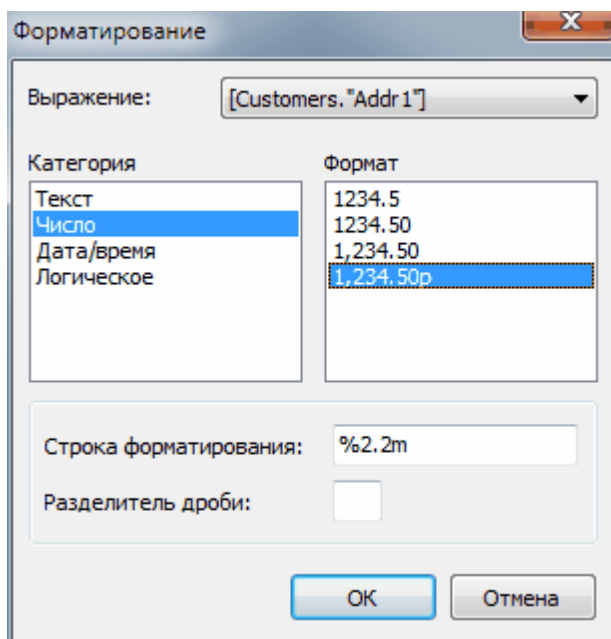
## 4.1

1176	26.07.94	4 178,85р.
1269	16.12.94	1 400,00р.
		51450,8

SUM

FastReport

DisplayFormat



234,50 .".

Format, FastReport  
 ( " " )  
 )

1176	26.07.94	4 178,85p.
1269	16.12.94	1 400,00p.
		<hr/>
		51 450,80p.

### 4.2

FastReport 5  
 " " FastReport  
 " "

: [SUM(<Group."ItemsTotal">,MasterData1)]  
 - : [COUNT(MasterData1)]

: [SUM(<Group."ItemsTotal">,MasterData1) #n%2,2m]  
 - : [COUNT(MasterData1)]

	,	:
1269	16.12.94	1 400,00р.
		Сумма: 51 450,80р.
		Кол-во: 6

*[expression #tag]*

– # !  
:  
#n –  
#d – /  
#b , –

Format, / , –  
FormatDateTime.  
Delphi, FastReport:

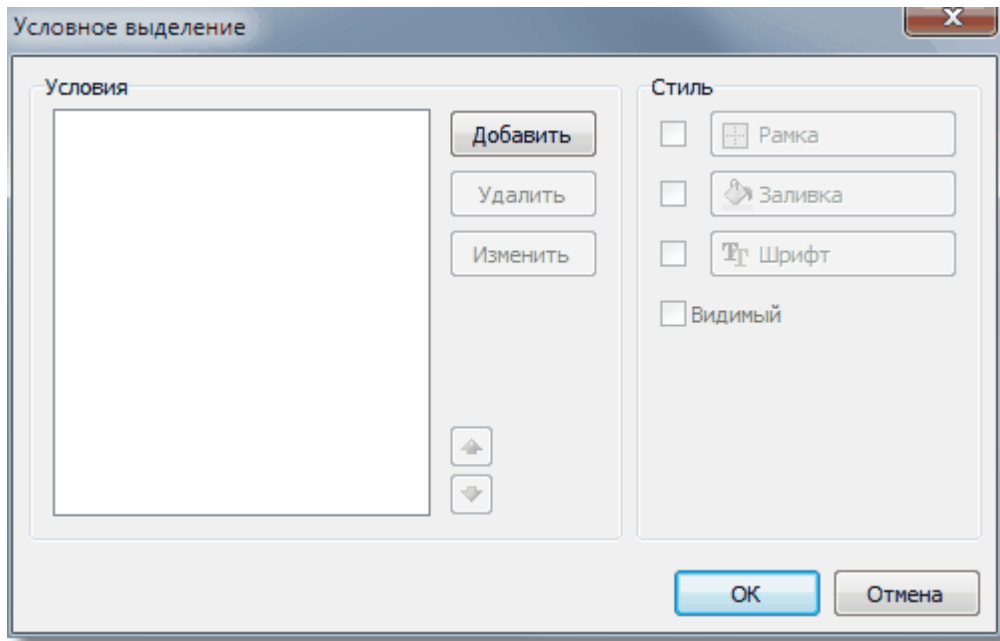
:  
%g –  
%2.2f –  
%2.2n –  
%2.2m – , Windows,

/ :  
dd.mm.yyyy – 23.12.2003  
dd mmm yyyy – 23 2003  
dd mmmm yyyy – 23 2003  
hh:mm – 23:12  
hh:mm:ss – 23:12:00  
dd mmmm yyyy, hh:mm – 23 2003, 23:12

#b ( ),

False, – True.

### 4.3



Value.

[Products."UnitsInStock"]

= 0.

Value = 0

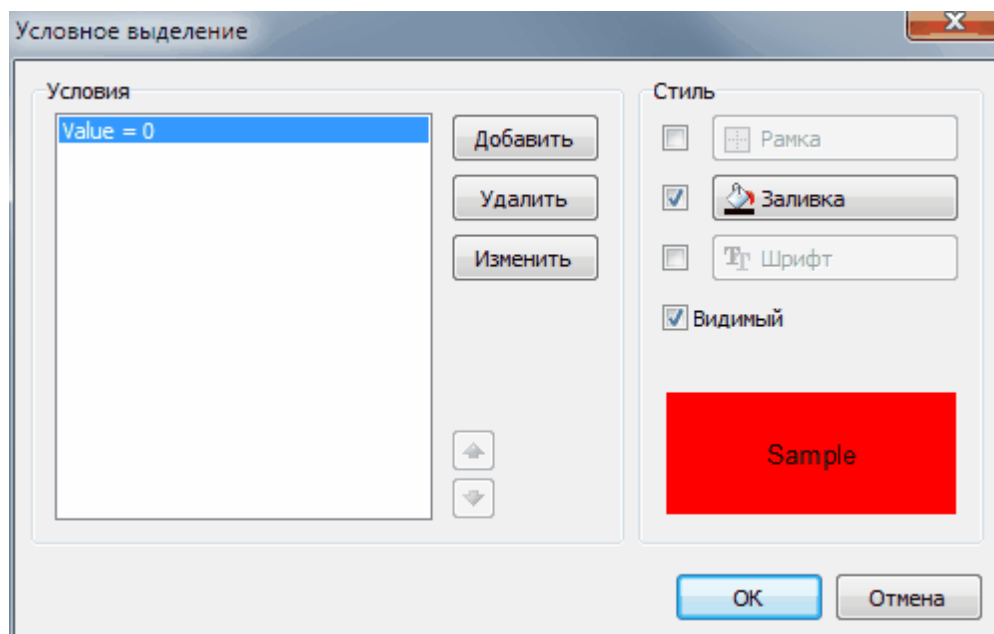
C++Script ( .  
C++Script:

Value == 0

Value,

Value

<Products."UnitsInStock"> = 0





10,

Value < 10

, FastReport  
, FastReport

- 1. Value = 0
- 2. Value < 10

- 1. Value < 10
- 2. Value = 0

"Value = 0"



### 4.4

1

<b>ReportTitle:</b> ReportTitle1	
[ Список клиентов ]	
<b>MasterData:</b> MasterData1	

$\langle Line \rangle \bmod 2 = 1$

:""),

C++Script ( .  
C++Script:

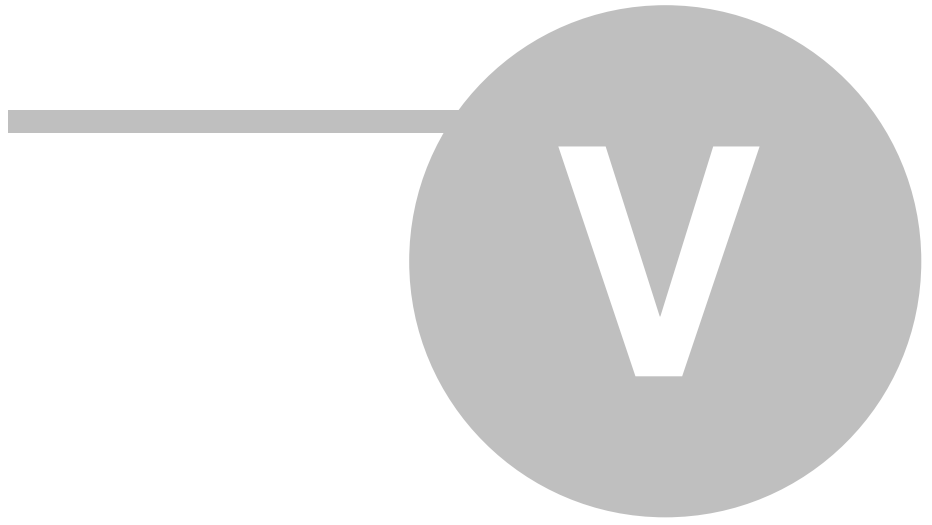
$\langle Line \rangle \% 2 == 1$

), - , :

ReportTitle: ReportTitle1		
[Список клиентов]		
MasterData: MasterData1		
[Customers."Company"]	[Customers."Phone"]	[Customers."FAX"]

#### Список клиентов

Action Club	813-870-0239	813-870-0282
Action Diver Supply	22-44-500211	22-44-500596
Adventure Undersea	011-34-09054	011-34-09064
American SCUBA Supply	213-654-0092	213-654-0095
Aquatic Drama	613-442-7654	613-442-7678
Blue Glass Happiness	213-555-1984	213-555-1995

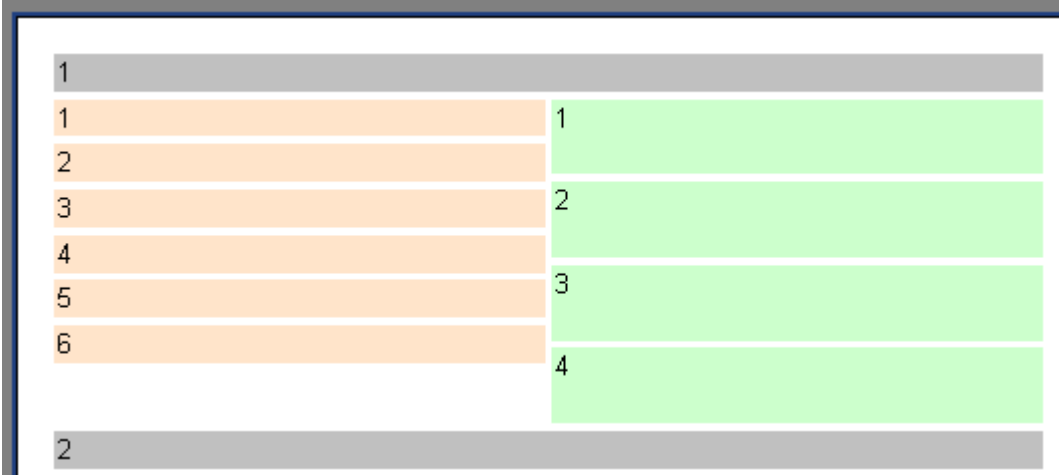


```
FastReport,
" "
FastReport
" "
"Subreports".
FastReport
FastReport
" "
```

### 5.1

The screenshot shows a report layout with a master data band. The band is divided into two subreports, Subreport1 and Subreport2. The master data band is labeled 'MasterData: Band2' and contains a line item '[LINE]'. The subreports are positioned below the line item.

MasterData: Band2	
[LINE]	
Subreport1	Subreport2

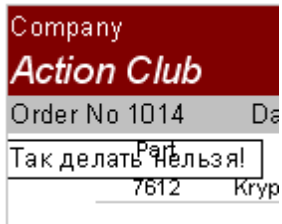


, FastReport

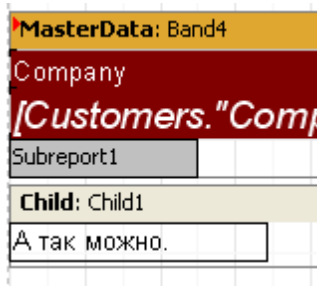
## 5.2

"," / : " / , " / /  
, , ( )  
-  
" :

MasterData: Band4  
Company  
[Customers."Comp  
Subreport1  
Так делать нельзя!



(child) :



### 5.3

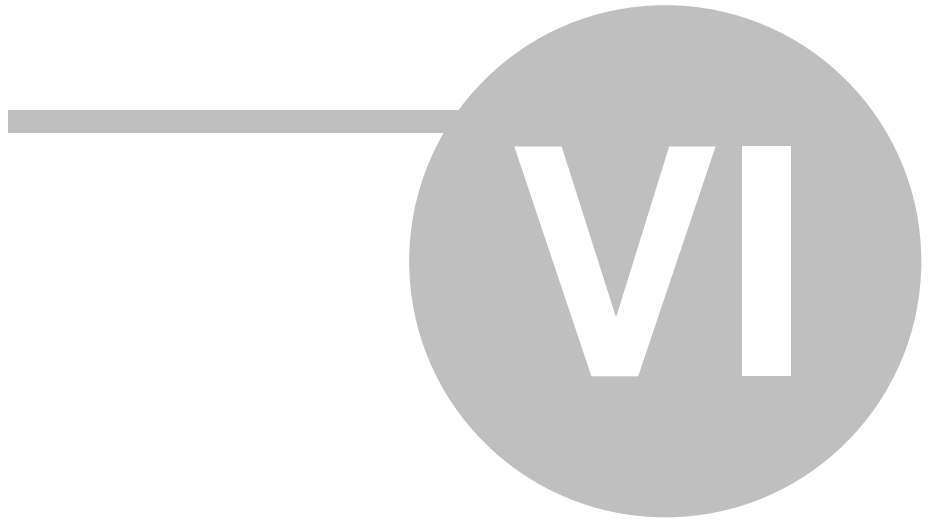
### " (PrintOnParent)

– PrintOnParent,

False.



- 1
- 2
- 3
- 4
- 5
- 6





```

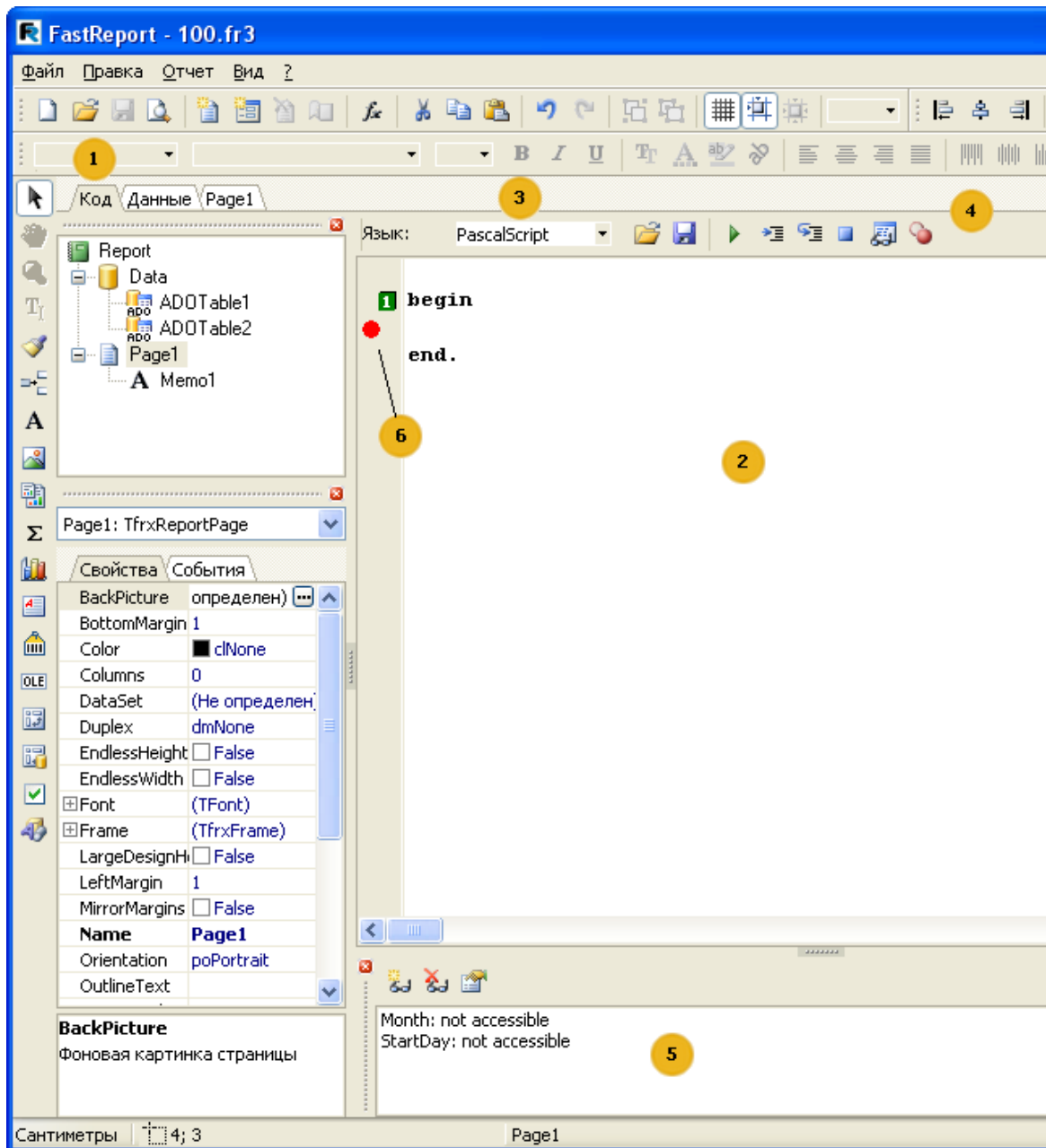
FastReport,
, FastScript.
:
- PascalScript
- C++Script
- BasicScript
- JScript
FastScript :
- : , , (
) / /
( case, try/finally/except, with),
( , variant), ( , , ,
);
- (records, classes) ; (records),
(pointers), (sets) ( 'IN'
- "a in ['a'..'c','d']", shortstring, (GOTO);
- ;
- .
FastReport,
: Step, Breakpoint, Run to cursor, Evaluate.

```

### 6.1

```

FastReport.
" "
:
```



1 – " ";

2 – ;

3 – ;

4 – :

▶ – ;

▶ – , (Run to cursor);

▶ – (Step into);

▶ – ;

- 5 - Watches ;
- 6 - (bookmark), (breakpoint),

PageUp, PageDown	/
Ctrl+PageUp	
Ctrl+PageDown	
Home	
End	
Enter	
Delete	,
Backspace	
Ctrl+Y	
Ctrl+Z	( 32 )
Shift+	
Ctrl+A	
Ctrl+U	2
Ctrl+I	2
Ctrl+C, Ctrl+Insert	
Ctrl+V, Shift+Insert	
Ctrl+X, Shift+Delete	
Ctrl+Shift+< >	0..9
Ctrl+< >	
Ctrl+F	
Ctrl+R	

F3	/
F4	, (Run to cursor)
F5	(Toggle breakpoint)
Ctrl+F2	(Program reset)
Ctrl+F7	(Evaluate)
F9	(Run)
F7 F8	(Step into)
Ctrl+	,
Ctrl+Shift+Delete	
Ctrl+Shift+Backspace	

## 6.2

### PascalScript:

```

#language PascalScript //
program MyProgram; //

// uses -
uses 'unit1.pas', 'unit2.pas';

var //
  i, j: Integer;

const //
  pi = 3.14159;

procedure p1; //
var
  i: Integer;

  procedure p2; //
  begin
  end;

begin

```

```
end;
```

```
begin          // .
end.
```

### C++Script:

```
#language ++Script //

//      include -
#include "unit1.cpp", "unit2.cpp"

int i, j = 0;      // -

#define pi = 3.14159 //

void p1()          //
{                  //
}

{                  // .
}
```

### JScript:

```
#language JScript //

//      import -
import "unit1.js", "unit2.js"

var i, j = 0;      // -

function p1()      //
{                  //
}

// .

p1();
for (i = 0; i < 10; i++) j++;
```

### BasicScript:

```
#language BasicScript //

//      imports -
imports "unit1.vb", "unit2.vb"

Dim i, j = 0      // -
```

```

Function p1()           //
{                       //
}                       //

For i = 0 To 10
  p1()
Next

```

FastScript

```

:
- ;
- ;
- , , , ;
- ;
- , .

```

PascalScript.

## 6.3 "Hello, World!"

"Hello, World!" –

```

,
" " " " FastReport
:

```

*PascalScript:*

```

begin
  ShowMessage('Hello, World!');
end.

```

*C++ Script:*

```

{
  ShowMessage("Hello, World!");
}

```

, FastReport

:



```
begin..end.
,
(
"
").
```

6.4

```
Page1 Memo1 -
, :
```

*PascalScript:*

```
Memol.Color := clRed
```

*C++Script:*

```
Memol.Color = clRed
```

```
" "
" :
' ' ?
- ,
( )
FastReport,
" " MyTextObject " " :
```

*PascalScript:*

```
begin
  MyTextObject.Color := clRed
end.
```

*C++Script:*

```
{
  MyTextObject.Color = clRed
}
```

## 6.5

```
( " | '...').
:
```

*PascalScript:*

```
if <my variable> = 10 then ...
```

*C++ Script:*

```
if (<my variable> == 10) { ... }
```

–

Get:

*PascalScript:*

```
if Get('my variable') = 10 then ...
```

*C++ Script:*

```
if (Get("my variable") == 10) { ... }
```

Set:

*PascalScript:*

```
Set('my variable', 10);
```

*C++ Script:*

```
Set("my variable", 10);
```

,

:



*PascalScript:*

```
Set('my variable', '' + ' ' + '');
```

*C++ Script:*

```
Set("my variable", "\" \");
```

Page#:

*PascalScript:*

```
if <Page#> = 1 then ...
```

*C++ Script:*

```
if (<Page#> == 1) { ... }
```

## 6.6

*PascalScript:*

```
if <Table1."Field1"> = Null then...
```

*C++ Script:*

```
if (<Table1."Field1"> == Null) { ... }
```

```
Get ( , , ).
```

## 6.7

```
" ", - ( " "), . , .
```

## 6.8

:

*PascalScript:*

```
var
  MyVariable: String;
begin
  MyVariable := 'Hello!';
end.
```

*C++ Script:*

```
string MyVariable;
{
  MyVariable = "Hello!";
}
[MyVariable].
```

## 6.9

" 1 "

MasterData: Band4	
[Customers."Company"]	[Customers."Addr1"]

```

OnStartReport " ".
OnBeforePrint.
(
!).
, ...
:
1. OnBeforePrint;
2. OnBeforePrint , ;
3. ( -
Company Addr1), OnAfterData ;
4. (
);
5. OnAfterCalcHeight;
6. ,
7. ;
8. OnAfterPrint ;
9. OnAfterPrint
OnAfterPrint
OnStopReport " ".
OnBeforePrint -
4.
OnAfterCalcHeight 5 OnAfterPrint 8,

```

## 6.10

## OnBeforePrint

```

TfrxDBDataSet, TfrxReport      Delphi,      TTable,
                                :

```

```

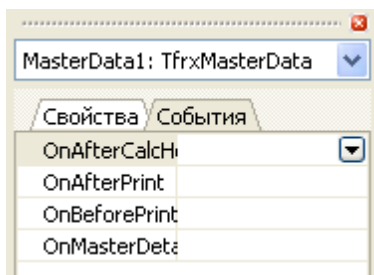
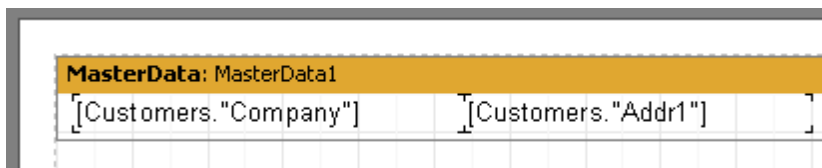
Table1:
  DatabaseName = 'DBDEMOS'
  TableName = 'customer.db'

```

```

frxDBDataSet1:
  DataSet = Table1
  UserName = 'Customers'

```



```

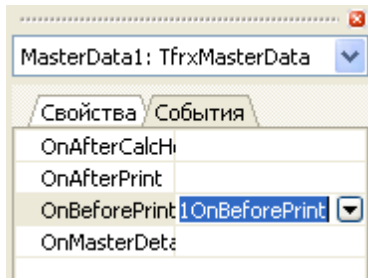
OnBeforePrint (

```

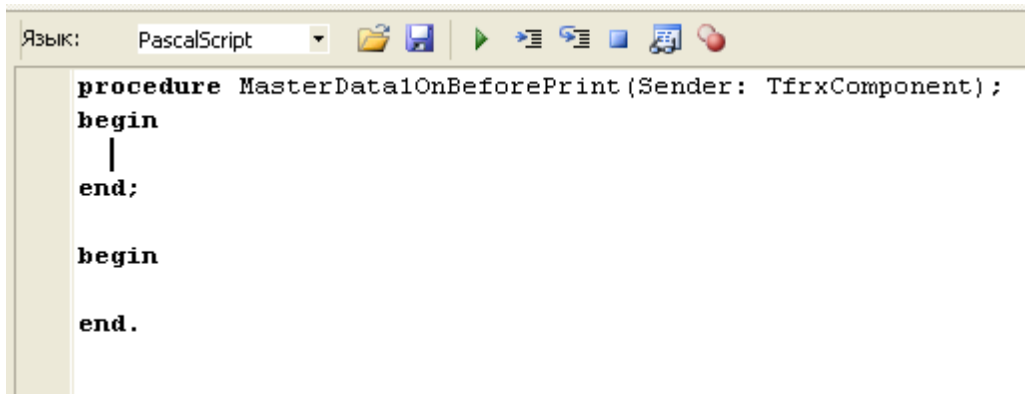
```

),
:

```



" ";



, , :

Delphi.

### *PascalScript:*

```

if Copy(<Customers."Company">, 1, 1) = 'A' then
  MasterData1.Visible := True else
  MasterData1.Visible := False;

```

### *C++Script:*

```

if (Copy(<Customers."Company">, 1, 1) == "A")
  MasterData1.Visible = true;
else
  MasterData1.Visible = false;

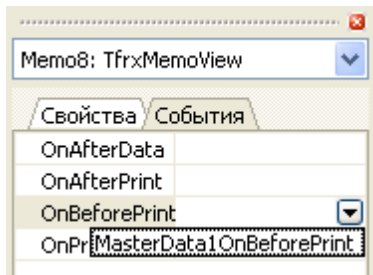
```

, :

Action Club	Michael Spurling	813-870-0239
Action Diver Supply	Marianne Miles	22-44-500211
Adventure Undersea	Gloria Gonzales	011-34-09054
American SCUBA Supply	Lynn Cinciripini	213-654-0092
Aquatic Drama	Gillian Owen	613-442-7654

Sender ( Delphi).

Delphi:



Delete.

## 6.11

Delphi, TQuery, TfrxReport, TfrxDBDataSet.

```

Query1:
DatabaseName = 'DBDEMOS'
SQL =
select * from customer, orders
where orders.CustNo = customer.CustNo
order by customer.CustNo, orders.OrderNo

```

```

frxDBDataSet1:
DataSet = Query1
UserName = 'Group'

```

```

      (
      "
      |
      ...)
      :
      "
      Group
      -
      Group.CustNo.
      -
      :

```

<b>GroupHeader:</b> GroupHeader1		
[Group."CustNo"]	[Group."Company"]	[Group."ItemsTotal"]
<b>MasterData:</b> MasterData1		
[Group."OrderNo"]	[Group."SaleDate"]	[Group."ItemsTotal"]
<b>GroupFooter:</b> GroupFooter1		
[SUM(<Group."ItemsTotal">,MasterData1)]		

( - Memo8)

1.

TStringList.

*PascalScript:*

```

var
  List: TStringList;

```

```
i: Integer;

procedure frxReport1OnStartReport(Sender: TfrxComponent);
begin
  List := TStringList.Create;
end;

procedure frxReport1OnStopReport(Sender: TfrxComponent);
begin
  List.Free;
end;

procedure Page1OnBeforePrint(Sender: TfrxComponent);
begin
  i := 0;
end;

procedure GroupHeader1OnBeforePrint(Sender: TfrxComponent);
begin
  if Engine.FinalPass then
    Memo8.Text := 'Sum: ' + List[i];
end;

procedure GroupFooter1OnBeforePrint(Sender: TfrxComponent);
begin
  if not Engine.FinalPass then
    List.Add(FloatToStr(SUM(<Group."ItemsTotal">,MasterData1)));
    Inc(i);
end;

begin

end.
```

### *C++ Script:*

```
TStringList List;
int i;

void frxReport1OnStartReport(TfrxComponent Sender)
{
  List = TStringList.Create();
}

void frxReport1OnStopReport(TfrxComponent Sender)
{
  List.Free();
}

void Page1OnBeforePrint(TfrxComponent Sender)
{
```



```

    i = 0;
}

void GroupHeader1OnBeforePrint(TfrxComponent Sender)
{
    if (Engine.FinalPass)
        Memo8.Text = "Sum: " + List[i];
}

void GroupFooter1OnBeforePrint(TfrxComponent Sender)
{
    List.Add(FloatToStr(SUM(<Group."ItemsTotal">,MasterData1)));
    i++;
}

{
}

: Report.
OnStartReport, Report.OnStopReport, Page1.OnBeforePrint, GroupHeader1.OnBeforePrint,
GroupFooter1.OnBeforePrint.

" - " " " "
" " "
List
OnStartReport? ,
OnStartReport, OnStopReport. (
)
List
0 ( i)
GroupFooter1.OnBeforePrint).
GroupHeader1.OnBeforePrint
( Engine.FinalPass). (
List ),
Memo8,
:

```

1221	Kauai Dive Shoppe	Sum: 51450,8
1023	01.07.88	4 674,00p.
1076	16.12.94	17 781,00p.
1123	24.08.93	13 945,00p.
1169	06.07.94	9 471,95p.
1176	26.07.94	4 178,85p.
1269	16.12.94	1 400,00p.
		51 450,80p.

2.

Get Set.

*PascalScript:*

```

procedure GroupHeader1OnBeforePrint(Sender: TfrxComponent);
begin
  if Engine.FinalPass then
    Memo8.Text := 'Sum: ' + Get(<Group."CustNo">);
end;

procedure GroupFooter1OnBeforePrint(Sender: TfrxComponent);
begin
  Set(<Group."CustNo">,
    FloatToStr(SUM(<Group."ItemsTotal">,MasterData1)));
end;

begin

end.

```

*C++ Script:*

```

void GroupHeader1OnBeforePrint(TfrxComponent Sender)
{
  if (Engine.FinalPass)
    Memo8.Text = "Sum: " + Get(<Group."CustNo">);
}

```

```

void GroupFooter1OnBeforePrint(TfrxComponent Sender)
{
    Set(<Group."CustNo">,
        FloatToStr(SUM(<Group."ItemsTotal">,MasterData1)));
}

{

}

```

```

OnBeforePrint , . GroupFooter1.
( , ,
    <Group."Company">).
GroupHeader1.OnBeforePrint
.

```

## 6.12 OnAfterData

```

, .
, .
Value,
" "
[Table1."Field1"] [<Table2."Field1"> + 10],
Value:

```

*PascalScript:*

```

if Value > 3000 then
    Mem1.Color := clRed

```

*C++ Script:*

```

if (Value > 3000)
    Mem1.Color = clRed;

```

*PascalScript:*

```

if <Table1."Field1"> > 3000 then
    Mem1.Color := clRed

```

*C++ Script:*

```
if (<Table1."Field1"> > 3000)
  Memo1.Color = clRed;
```

```

, Value
OnAfterData
.
-
[expr1] [expr2] - Value
.
OnAfterData
" ";
( ), " "
OnAfterData:
```

### *PascalScript:*

```
var
  MemoWidth: Extended;

begin
  MemoWidth := TfrxMemoView(Sender).CalcWidth;
end;
```

### *C++ Script:*

```
float MemoWidth;

MemoWidth = TfrxMemoView(Sender).CalcWidth;
```

```
OnBeforePrint,
```

## 6.13

```

.), ( , , " "
.
Engine.
:
- Report - " ";
- Engine - ; " "
- Outline - " "
```

**6.13.1 Report**

, " " " ".  
:

<code>function Calc(const Expr: String): Variant</code>	<code>Expr, 3. , Report.Calc('1+2') , FastReport</code>
<code>function GetDataSet(const Alias: String): TfrxDataSet</code>	<code>( "   ...").</code>

**6.13.2 Engine**

( FastReport, ).

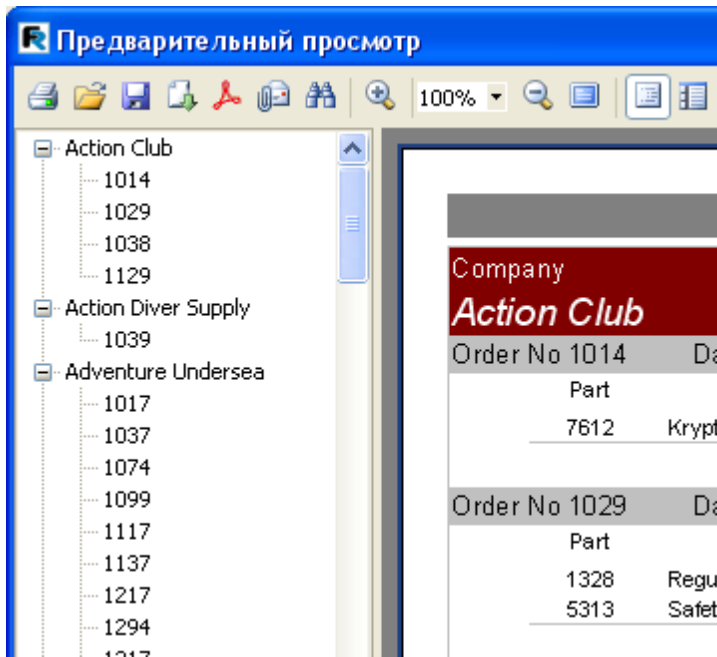
CurColumn	Integer	
CurX	Extended	X.
CurY	Extended	Y.
DoublePass	Boolean	True, Report.EngineOptions.DoublePass.

FinalPass	Boolean	True,
PageHeight	Extended	,
PageWidth	Extended	,
StartDate	TDateTime	<Date>.
StartTime	TDateTime	<Time>.
TotalPages	Integer	<TotalPages>.
SecondScriptcall	Boolean	True, " " ( SuppressRepeated ).

:

<b>procedure</b> AddAnchor( <b>const</b> Text : <b>String</b> )	" "
<b>procedure</b> NewColumn	.
<b>procedure</b> NewPage	( ).
<b>procedure</b> ShowBand(Band: TfrxBand)	CurY.
<b>function</b> FreeSpace: Extended	,
<b>function</b> GetAnchorPage( <b>const</b> Text : <b>String</b> ): Integer	,

### 6.13.3 Outline

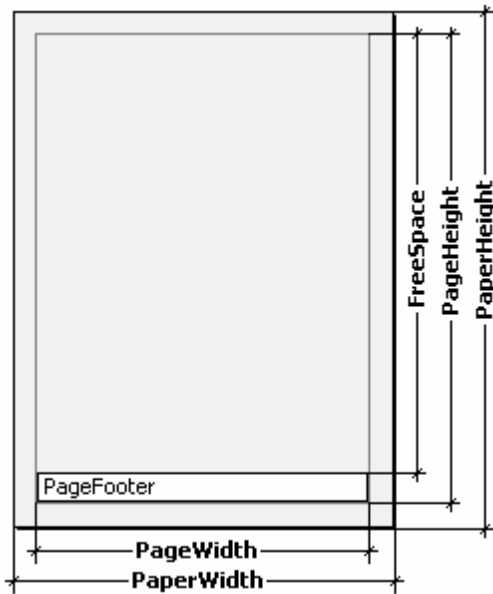


Report.PreviewOptions.OutlineVisible = True.  
 : Report.PreviewOptions.OutlineWidth.

<b>procedure</b> AddItem(const Text: <b>String</b> )	Text
<b>procedure</b> LevelRoot	
<b>procedure</b> LevelUp	1

## 6.14 Engine

Engine



PaperWidth, PaperHeight.

4

210 297

PageWidth, PageHeight

LeftMargin, TopMargin, RightMargin, BottomMargin.

Engine.PageWidth, Engine.PageHeight.

FreeSpace

" (Page Footer),

FreeSpace.

Engine.FreeSpace.



FreeSpace.

```

    ? FastReport
    " ( )
    Engine.CurX, Engine.CurY. CurY
    CurY = 0. CurX
    Engine.CurX, Engine.CurY

```

**MasterData:** MasterData1

[Customers."Company"]	[Customers."Contact"]	[Customers."Phone"]
-----------------------	-----------------------	---------------------

:

Action Club	Michael Spurling	813-870-0239
Action Diver Supply	Marianne Miles	22-44-500211
Adventure Undersea	Gloria Gonzales	011-34-09054
American SCUBA Supply	Lynn Cinciripini	213-654-0092
Aquatic Drama	Gillian Owen	613-442-7654
Blue Glass Happiness	Christine Taylor	213-555-1984

OnBeforePrint :

*PascalScript:*

```

procedure MasterData1OnBeforePrint(Sender: TfrxComponent);
begin
    Engine.CurX := Engine.CurX + 5;
end;

```

*C++ Script:*

```
void MasterData1OnBeforePrint(TfrxComponent Sender)
{
    Engine.CurX = Engine.CurX + 5;
}
```

CurY

:

Action Club	Michael Spurling	813-870-0239
Action Diver Supply	Wendy Miles	924-475-0071
Adventure Linda's ea	Stina Gonzales	011-342-0054
American SCUBA Supply	Cynthia Cipriani	713-654-0097
Aquatic Drama	Chuan Owen	613-475-1684
Blue Glass Happiness	Christine Taylor	913-825-1684
Blue Jack Aqua Center	Ernest Barratt	401-609-7673
Blue Sports Club	Theresa Kunec	819-867-8204

:

### *PascalScript:*

```
procedure MasterData1OnBeforePrint(Sender: TfrxComponent);
begin
    Engine.CurY := Engine.CurY - 15;
end;
```

### *C++ Script:*

```
void MasterData1OnBeforePrint(TfrxComponent Sender)
{
    Engine.CurY = Engine.CurY - 15;
}
```

Engine.NewPage

.

:


### *PascalScript:*

```
procedure MasterData1OnAfterPrint(Sender: TfrxComponent);
begin
    if <Line> = 2 then
        Engine.NewPage;
end;
```

### *C++ Script:*

```
void MasterData1OnAfterPrint(TfrxComponent Sender)
{
    if (<Line> == 2)
        Engine.NewPage();
}
```




ReportTitle: ReportTitle1	
[ Table of contents ]	
MasterData: MasterData1  Customers	
[ Customers."Company" ]	

URL

" "

:

*#[Customers."Company"]*

ReportTitle: ReportTitle2			
Customers			
PageHeader: PageHeader1			
[ Company ]	[ Address ]	[ Contact ]	[ Phone ]
MasterData: MasterData2  Customers			
[ Customers."Company" ]	[ Customers."Addr1" ]	[ Customers."Contact" ]	[ Customers."Ph" ]

MasterData2.OnBeforePrint

:

*PascalScript:*

```

procedure MasterData2OnBeforePrint(Sender: TfrxComponent);
begin
  Engine.AddAnchor(<Customers."Company">);
end;

```

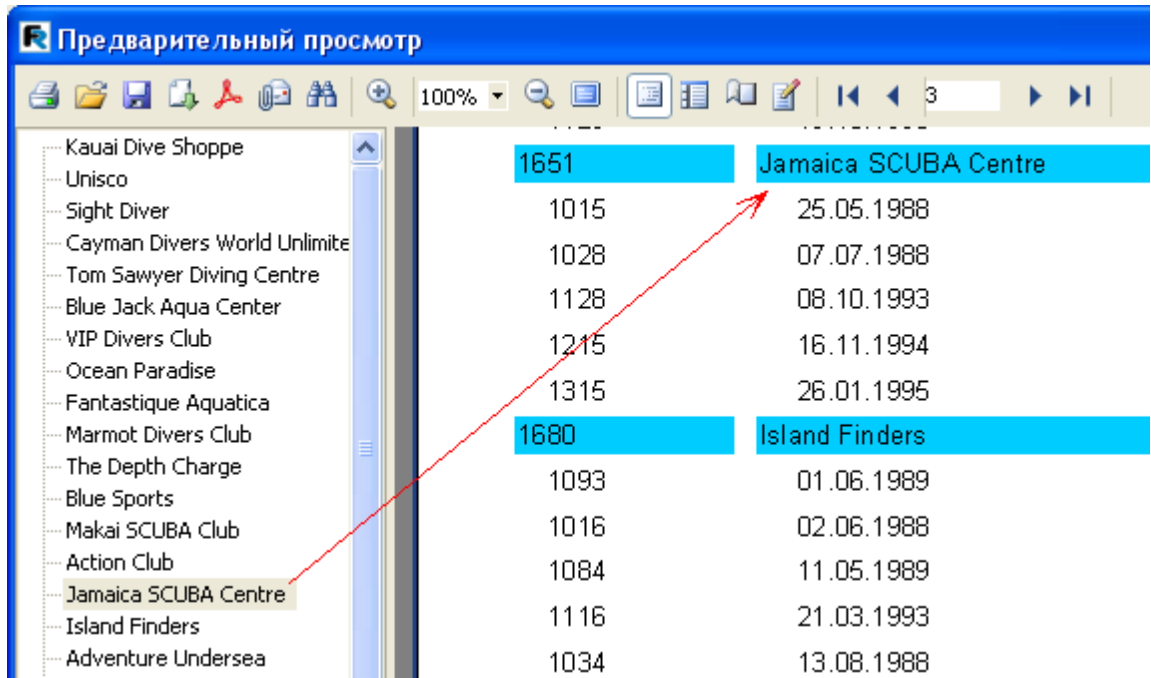
*C++ Script:*

```

void MasterData2OnBeforePrint(TfrxComponent Sender)
{
  Engine.AddAnchor(<Customers."Company">);
}

```

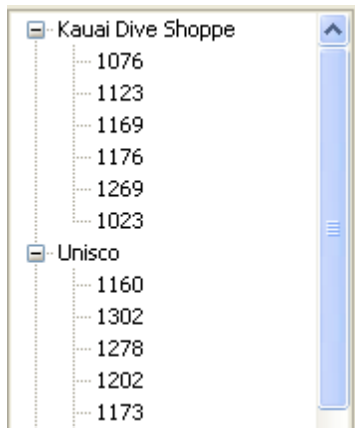




MasterData.OutlineText

<Group."OrderNo">.

:



OutlineText.

OutlineText  
 OnBeforePrint MasterData1.OnBeforePrint:

GroupHeader1.

*PascalScript:*

```

procedure GroupHeader1OnBeforePrint(Sender: TfrxComponent);
begin
  Outline.LevelRoot;
  Outline.AddItem(<Group."Company">);
end;

procedure MasterData1OnBeforePrint(Sender: TfrxComponent);
begin
  Outline.AddItem(<Group."OrderNo">);
  Outline.LevelUp;
end;

begin

end.

```

*C++ Script:*

```

void GroupHeader1OnBeforePrint(TfrxComponent Sender)
{
  Outline.LevelRoot;
  Outline.AddItem(<Group."Company">);
}

void MasterData1OnBeforePrint(TfrxComponent Sender)
{
  Outline.AddItem(<Group."OrderNo">);
  Outline.LevelUp;
}

{

}

```

Outline.AddItem

AddItem,

*Item1*  
*Item2*

*Item3*

...

Outline LevelUp LevelRoot.

```
Outline.AddItem('Item1');
Outline.AddItem('Item2');
Outline.AddItem('Item3');
Outline.LevelUp;
Outline.AddItem('Item4');
```

*Item1**Item2**Item3**Item4*

```
.. Item4 Item2.
LevelRoot . ,
```

```
Outline.AddItem('Item1');
Outline.AddItem('Item2');
Outline.AddItem('Item3');
Outline.LevelRoot;
Outline.AddItem('Item4');
```

*Item1**Item2**Item3**Item4*

Outline.LevelUp.



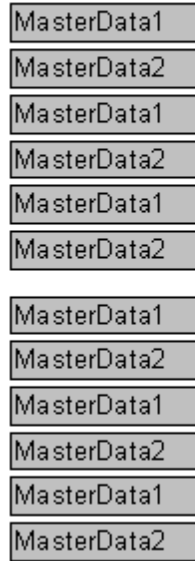


```
procedure Page1OnManualBuild(Sender: TfrxComponent);
var
  i: Integer;
begin
  for i := 1 to 6 do
  begin
    {
    Engine.ShowBand(MasterData1);
    Engine.ShowBand(MasterData2);
    }
    if i = 3 then
      Engine.CurY := Engine.CurY + 10;
  end;
end;
```

*C++ Script:*

```
void Page1OnManualBuild(TfrxComponent Sender)
{
  int i;

  for (i = 1; i <= 6; i++)
  {
    //
    Engine.ShowBand(MasterData1);
    Engine.ShowBand(MasterData2);
    //
    if (i == 3)
      Engine.CurY = Engine.CurY + 10;
  }
}
```

**OnManualBuild test***PascalScript:*

```

procedure Page1OnManualBuild(Sender: TfrxComponent);
var
    i, j: Integer;
    SaveY: Extended;
begin
    SaveY := Engine.CurY;
    for j := 1 to 2 do
    begin
        for i := 1 to 6 do
        begin
            Engine.ShowBand(MasterData1);
            Engine.ShowBand(MasterData2);
            if i = 3 then
                Engine.CurY := Engine.CurY + 10;
        end;
        Engine.CurY := SaveY;
        Engine.CurX := Engine.CurX + 200;
    end;
end;

```

*C++Script:*

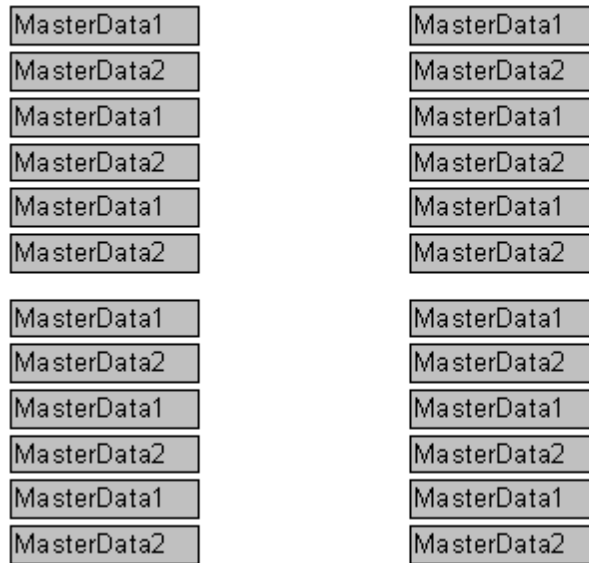
```

void Page1OnManualBuild(TfrxComponent Sender)
{
    int i, j;
    Extended SaveY;

    SaveY = Engine.CurY;
    for (j = 1; j <= 2; j++)
    {
        for (i = 1; i <= 6; i++)
        {
            Engine.ShowBand(MasterData1);
            Engine.ShowBand(MasterData2);
            if (i == 3)
                Engine.CurY = Engine.CurY + 10;
        }
        Engine.CurY = SaveY;
        Engine.CurX = Engine.CurX + 200;
    }
}

```

#### OnManualBuild test



( , " ' " ) - .

, , " ( OnManualBuild.

<b>ReportTitle:</b> Band1		
<b>Customers</b>		
<b>PageHeader:</b> Band2		
<b>Company</b>	<b>Contact</b>	<b>Phone</b>
<b>MasterData:</b> MasterData1		
Customers."Company"	Customers."Contact"	Customers."Ph
<b>PageFooter:</b> Band3		

:

*PascalScript:*

```

procedure Page1OnManualBuild(Sender: TfrxComponent);
var
    DataSet: TfrxDataSet;
begin
    DataSet := MasterData1.DataSet;
    DataSet.First;
    while not DataSet.Eof do
    begin
        Engine.ShowBand(MasterData1);
        DataSet.Next;
    end;
end;

```

*C++Script:*

```

void Page1OnManualBuild(TfrxComponent Sender)
{
    TfrxDataSet DataSet;

    DataSet = MasterData1.DataSet;
    DataSet.First();
    while (!DataSet.Eof)
    {
        Engine.ShowBand(MasterData1);
        DataSet.Next();
    }
}

```

Dataset:

```
DataSet := MasterData1.DataSet;
```

```
DataSet := Report.GetDataSet('Customers');
```

```
" | ...".
```

## 6.18

*PascalScript:*

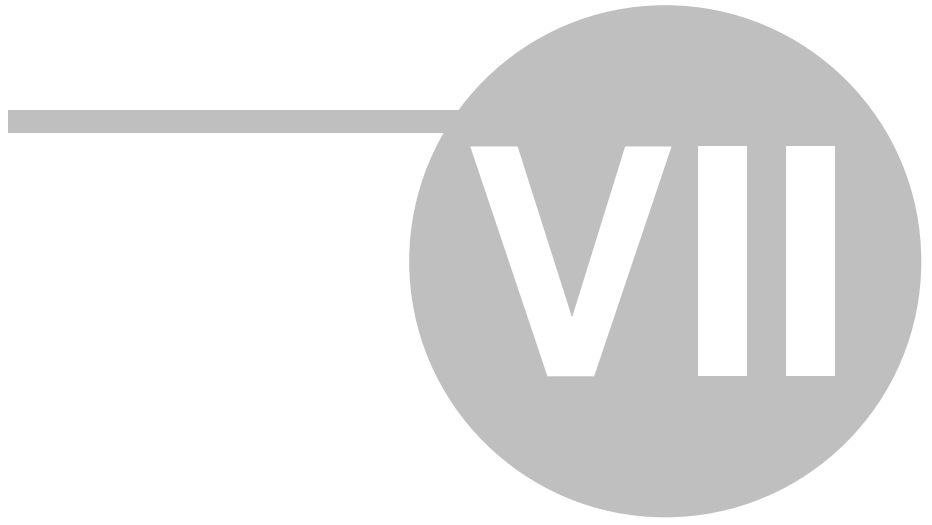
```
var
  Band: TfrxReportTitle;
  Memo: TfrxMemoView;
begin
  Band := TfrxReportTitle.Create(Pagel);
  Band.Height := 20;
  Memo := TfrxMemoView.Create(Band);
  Memo.SetBounds(10, 0, 100, 20);
  Memo.Text := 'This memo is created in code';
end.
```

*C++ Script:*

```
TfrxReportTitle Band;
TfrxMemoView Memo;
{
  Band = TfrxReportTitle.Create(Pagel);
  Band.Height = 20;
  Memo = TfrxMemoView.Create(Band);
  Memo.SetBounds(10, 0, 100, 20);
  Memo.Text = "This memo is created in code";
}
```

```
:
```

This memo is created in code





, ...  
 ,  
 .  
 ,  
 " " .  
 :

	1	2	3	4
a	a1	a2	a3	a4
b	b1	b2	b3	b4

a, b – , 1, 2, 3, 4 – , a1..a4, b1..b4 –  
 ) , (

a 1 a1  
 a 2 a2  
 a 3 a3  
 a 4 a4  
 b 1 b1  
 b 2 b2  
 b 3 b3  
 b 4 b4

FastReport

	10		20	
	1	2	1	2
a	a10.1	a10.2	a20.1	a20.2
b	b10.1	b10.2	b20.1	b20.2

```

a    10    1    a10.1
a    10    2    a10.2
a    20    1    a20.1
a    20    2    a20.2
b    10    1    b10.1
b    10    2    b10.2
b    20    1    b20.1
b    20    2    b20.2

```

FastReport

	10	10	20	20
	1	2	1	2
a	a10.1	a10.2	a20.1	a20.2
b	b10.1	b10.2	b20.1	b20.2

FastReport

	10			20			Итого
	1	2	Итого	1	2	Итого	
a	a10.1	a10.2	a10.1+a10.2	a20.1	a20.2	a20.1+a20.2	sum(a)
b	b10.1	b10.2	b10.1+b10.2	b20.1	b20.2	b20.1+b20.2	sum(b)
Итого	a10.1+ b10.1	a10.2+ b10.2	a10.1+b10.1+ a10.2+b10.2	a20.1+ b20.1	a20.2+ b20.2	a20.1+b20.1+ a20.2+b20.2	sum(a)+ sum(b)

7.1

crosstest,

FastReport DEMOS\MAIN.

<u>Name</u>	<u>Year</u>	<u>Salary</u>
Ann	1999	3300
Ben	2002	2000
....		

TTTable, TfrxDBDataSet, TfrxReport Delphi,  
:

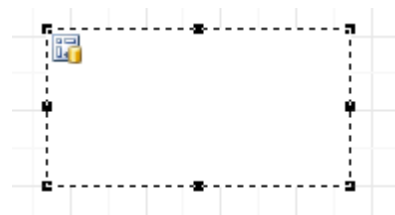
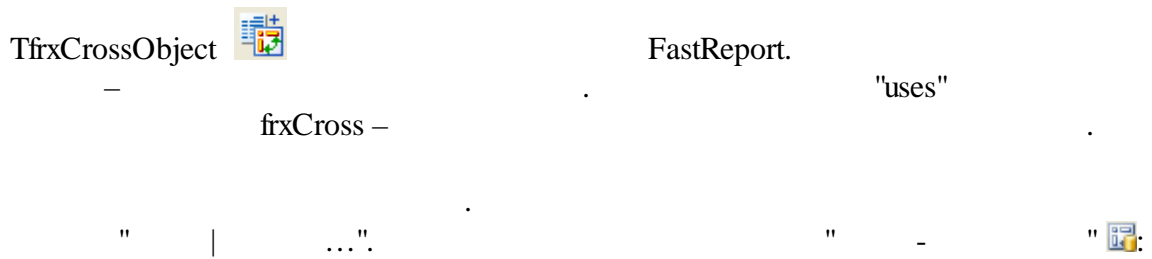
Table1:

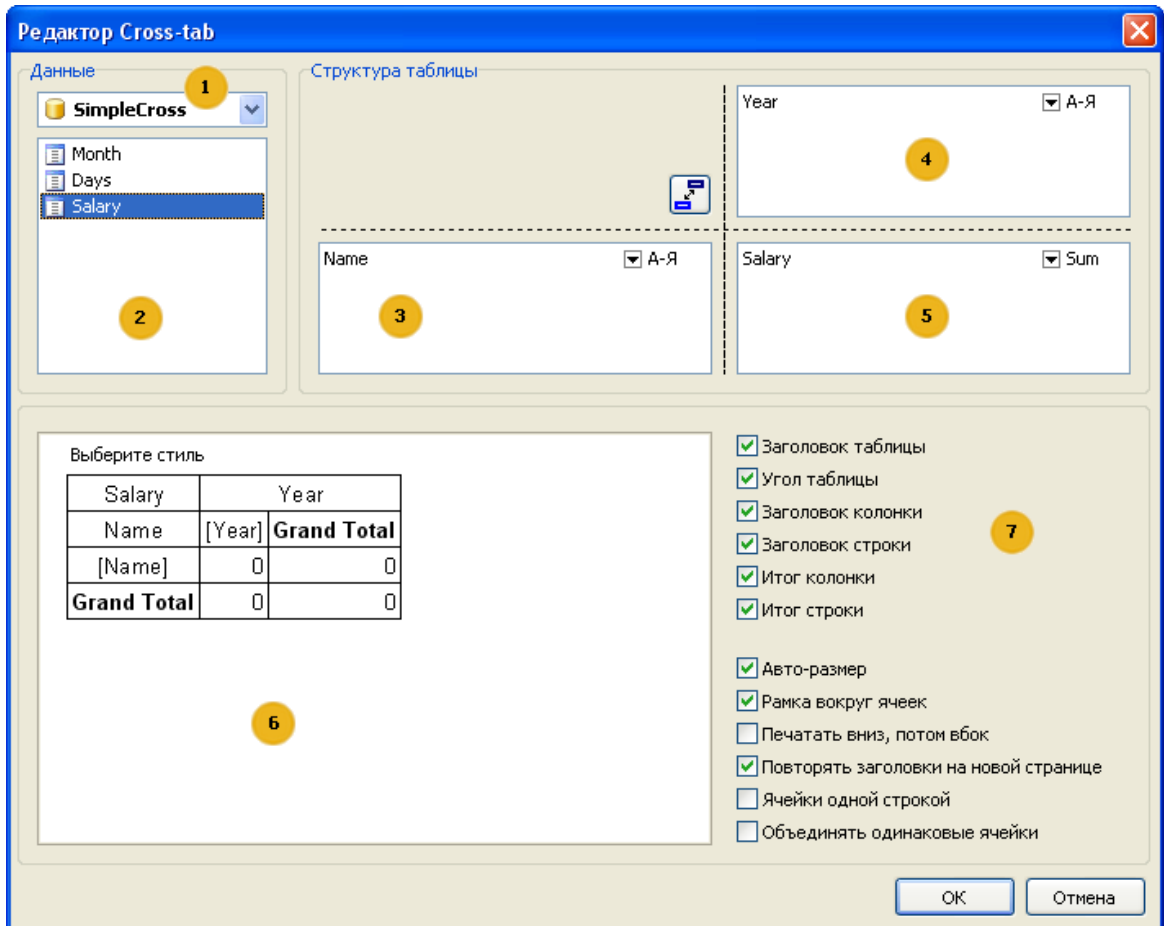
*DatabaseName = 'c:\Program Files\FastReports\FastReport 3\Demos\Main'*  
*TableName = 'crosstest.db'*

FastReport! DatabaseName

frxDBDataSet1:

*DataSet = Table1*  
*UserName = 'SimpleCross'*





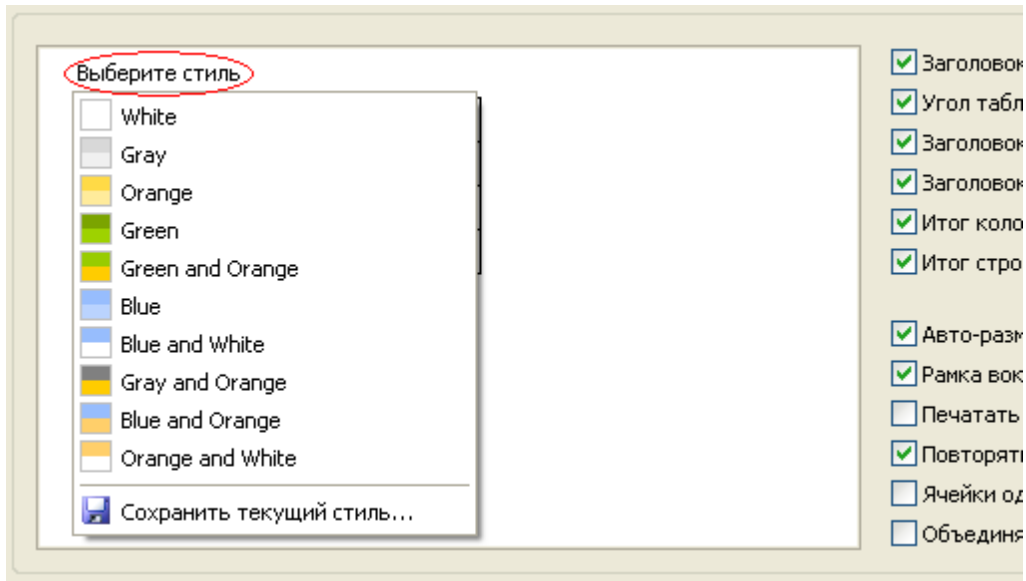
- :
- 1 – ;
  - 2 – .
  - 3 – , 3, 4, 5;
  - 4 – , ;
  - 5 – , ;
  - 6 – .
  - 7 – .
- 2 3, 4, 5, .
- :

Salary	Year	
Name	[Year]	Grand Total
[Name]	0	0
<b>Grand Total</b>	0	0

Salary	Year				Grand Total
Name	1999	2000	2001	2002	
Ann	3300	2700	3100	1700	10800
Ben	3900	2100		1800	7800
Catherine	6100	3200			9300
Den		3999	8100		12099
<b>Grand Total</b>	13300	11999	11200	3500	39999

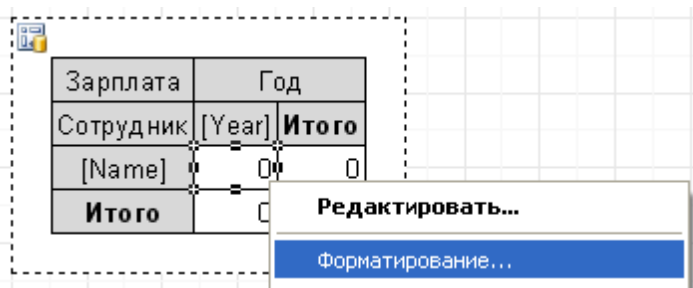
## 7.2

Salary	Year	
Name	[Year]	Grand Total
[Name]	0	0
<b>Grand Total</b>	0	0



Зарплата	Год	
Сотрудник	[Year]	<b>Итого</b>
[Name]	0	0
<b>Итого</b>	0	0

[Year] [Name]),



Зарплата	Год				
Сотрудник	1999	2000	2001	2002	Итого
Ann	3 300,00р.	2 700,00р.	3 100,00р.	1 700,00р.	10 800,00р.
Ben	3 900,00р.	2 100,00р.		1 800,00р.	7 800,00р.
Catherine	6 100,00р.	3 200,00р.			9 300,00р.
Den		3 999,00р.	8 100,00р.		12 099,00р.
<b>Итого</b>	13 300,00р.	11 999,00р.	11 200,00р.	3 500,00р.	39 999,00р.

? ;)

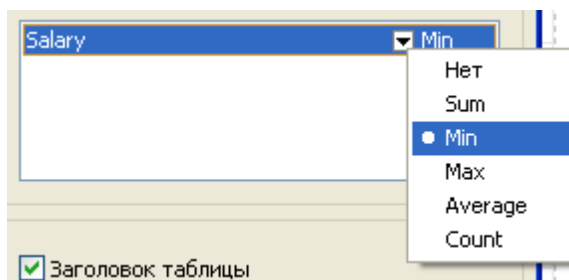
: \$%2.2n.

### 7.3

MIN –  
 MAX –  
 AVG –  
 COUNT –

MIN

"Salary"

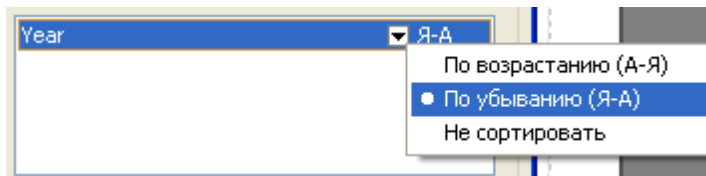


MIN.

Зарплата	Год				Минимум
	1999	2000	2001	2002	
Ann	3 300,00р.	2 700,00р.	3 100,00р.	1 700,00р.	1 700,00р.
Ben	3 900,00р.	2 100,00р.		1 800,00р.	1 800,00р.
Catherine	6 100,00р.	3 200,00р.			3 200,00р.
Den		3 999,00р.	8 100,00р.		3 999,00р.
<b>Минимум</b>	3 300,00р.	2 100,00р.	3 100,00р.	1 700,00р.	1 700,00р.

## 7.4

"Year".



Зарплата	Год				Итого
	2002	2001	2000	1999	
Ann	1 700,00р.	3 100,00р.	2 700,00р.	3 300,00р.	10 800,00р.
Ben	1 800,00р.		2 100,00р.	3 900,00р.	7 800,00р.
Catherine			3 200,00р.	6 100,00р.	9 300,00р.
Den		8 100,00р.	3 999,00р.		12 099,00р.
<b>Итого</b>	3 500,00р.	11 200,00р.	11 999,00р.	13 300,00р.	39 999,00р.





Зарплата	Год, Месяц															
	1999					2000				2001				2002		Итого
	2	10	11	12	Итого	1	2	3	Итого	1	2	3	Итого	1	Итого	
Ann	1000		1100	1200	3300	1300	1400		2700		1500	1600	3100	1700	1700	10800
Ben		1900	2000		3900		2100		2100				0	1800	1800	7800
Catherine		3000	3100		6100			3200	3200				0		0	9300
Den					0	3999			3999	4000	4100		8100		0	12099
<b>Итого</b>	1000	4900	6200	1200	13300	5299	3500	3200	11999	4000	5600	1600	11200	3500	3500	39999

FastReport

"Year"

Year	<input checked="" type="checkbox"/> Подитоги	А-Я
Month		А-Я

[Value]

"Value"

Зарплата	Год, Месяц								
	1999					2000			
Сотрудник	2	10	11	12	Итого за 1999	1	2	3	Итого за 2000
Ann	1000		1100	1200	3300	1300	1400		2700
Ben		1900	2000		3900		2100		2100
Catherine		3000	3100		6100			3200	3200
Den					0	3999			3999
<b>Итого</b>	1000	4900	6200	1200	13300	5299	3500	3200	11999

## 7.6

FastReport

[Value]

Зарплата	1999				
	2	10	11	12	Итого за 1999
Ann	1000		1100	1200	3300
Ben		1900	2000		3900
Catherine		3000	3100		6100
Den					0
<b>Итого</b>	1000	4900	6200	1200	13300

MinWidth

MaxWidth ( ).

MinWidth = 0, MaxWidth = 200.

MinWidth = MaxWidth = 50.  
50

MinWidth,  
MaxWidth,  
:

	1999				
	2	10	11	12	<b>Итого за 1999</b>
Ann	1000		1100	1200	<b>3300</b>
Ben		2100	2200		<b>4300</b>
Catherine		3000	3100		<b>6100</b>
Den					<b>0</b>
<b>Итого</b>	<b>1000</b>	<b>5100</b>	<b>6400</b>	<b>1200</b>	<b>13700</b>

AutoSize

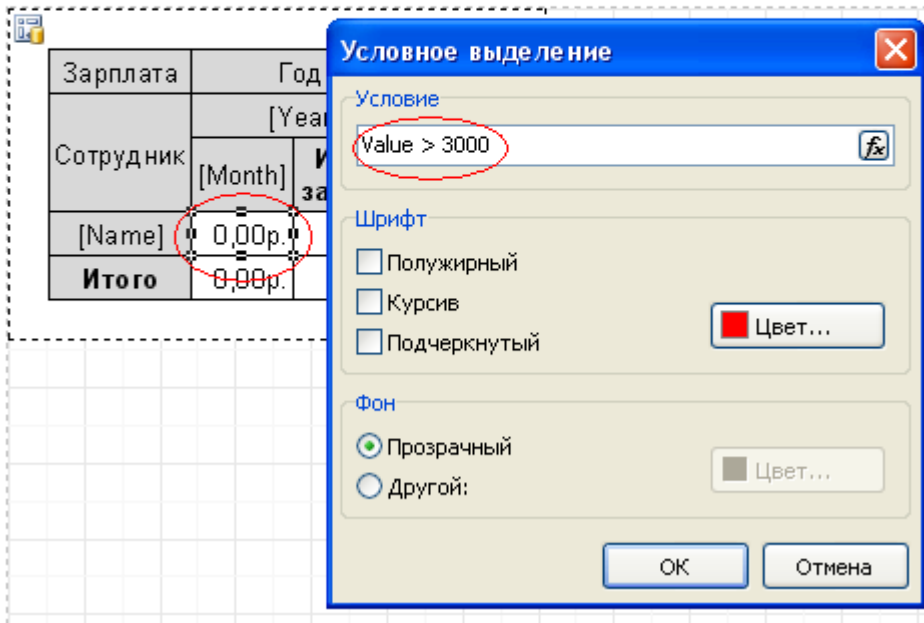
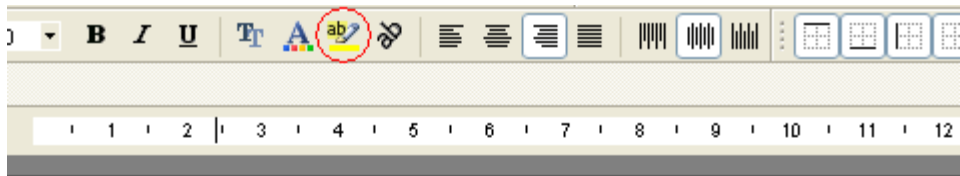
Зарплата	Год, Месяц		
Сотрудник	[Year]		Итого
	[Month]	<b>Итого за [Year]</b>	
[Name]	0	0	0
<b>Итого</b>	0	0	0

Зарплата	Го				
Сотрудник	1999				Итого за 1999
	2	10	11	12	
Ann	1 000,0 Пн		1 100,0 Пн	1 200,0 Пн	3 300,00р
Ben		1 900,0 Пн	2 000,0 Пн		3 900,00р
Catherine		3 000,0 Пн	3 100,0 Пн		6 100,00р
Den					0,00р.
<b>Итого</b>	1 000,0 Пн	4 900,0 Пн	6 200,0 Пн	1 200,0 Пн	13 300,00 н

## 7.7

3000

*Value > 3000*



Зарплата	Год, Месяц					
Сотрудник	1999					Итого за 1999
	2	10	11	12	1	
Ann	1 000,00р.		1 100,00р.	1 200,00р.	3 300,00р.	1 300,00р.
Ben		1 900,00р.	2 000,00р.		3 900,00р.	
Catherine		3 000,00р.	3 100,00р.		6 100,00р.	
Den					0,00р.	3 999,00р.
<b>Итого</b>	1 000,00р.	4 900,00р.	6 200,00р.	1 200,00р.	13 300,00р.	5 299,00р.

## 7.8

OnAfterPrint	
OnBeforePrint	
OnCalcHeight	0
OnCalcWidth	0
OnPrintCell	
OnPrintColumnHeader	
OnPrintRowHeader	

<b>function</b> ColCount: Integer	
<b>function</b> RowCount: Integer	

<b>function</b> IsGrandTotalColumn (Index: Integer): Boolean	True, .
<b>function</b> IsGrandTotalRow (Index: Integer): Boolean	True, .
<b>function</b> IsTotalColumn (Index: Integer): Boolean	True, .
<b>function</b> IsTotalRow (Index: Integer): Boolean	True, .
<b>procedure</b> AddValue(const Rows, Columns, Cells: <b>array of</b> Variant)	.

( , - 1999 ).  
- OnPrintCell:

*Pascal script:*

```
procedure Cross1OnPrintCell(Memo: TfrxMemoView;
 RowIndex, ColumnIndex, CellIndex: Integer;
  RowValues, ColumnValues, Value: Variant);
begin
  if ColumnIndex = 2 then
    Memo.Color := clRed;
end;
```

*C++ Script:*

```
void Cross1OnPrintCell(
TfrxMemoView Memo,
int RowIndex,
int ColumnIndex,
int CellIndex,
Variant RowValues,
Variant ColumnValues,
Variant Value)
{
  if (ColumnIndex == 2) { Memo.Color = clRed; }
}
```

:



	1999				
	2	10	11	12	Total
Ann	1000		1100	1200	3300
Ben		2100	2200		4300
Catherine		3000	3100		6100
Den					0
<b>Grand Total</b>	<b>1000</b>	<b>5100</b>	<b>6400</b>	<b>1200</b>	<b>13700</b>

OnPrintColumnHeader:

*Pascal script:*

```

procedure Cross1OnPrintColumnHeader(Memo: TfrxMemoView;
  HeaderIndexes, HeaderValues, Value: Variant);
begin
  if (VarToStr(HeaderValues[0]) = '1999') and
    (VarToStr(HeaderValues[1]) = '11') then
    Memo.Color := clRed;
end;

```

*C++ Script:*

```

void Cross1OnPrintColumnHeader(
  TfrxMemoView Memo,
  Variant HeaderIndexes,
  Variant HeaderValues,
  Variant Value)
{
  if ((VarToStr(HeaderValues[0]) == "1999") &&
    (VarToStr(HeaderValues[1]) == "11"))
  {
    Memo.Color = clRed;
  }
}

```

:

	1999				
	2	10	11	12	Total
Ann	1000		1100	1200	3300
Ben		2100	2200		4300
Catherine		3000	3100		6100
Den					0
<b>Grand Total</b>	<b>1000</b>	<b>5100</b>	<b>6400</b>	<b>1200</b>	<b>13700</b>

```

OnPrintCell
(
OnPrintColumnHeader OnPrintRowHeader).
OnPrintCell " ";
(Memo), " ";
: , (
) RowIndex, ColumnIndex, CellIndex
" " - RowValues
ColumnValues. Value -
" "
(RowIndex, ColumnIndex), (RowValues, ColumnValues) -
0, ColumnIndex = 2 3-
1999 ); ( 11

```

*Pascal script:*

```

procedure Cross1OnPrintCell(Memo: TfrxMemoView;
  RowIndex, ColumnIndex, CellIndex: Integer;
  RowValues, ColumnValues, Value: Variant);
begin
  if (VarToStr(ColumnValues[0]) = '1999') and
    (VarToStr(ColumnValues[1]) = '11') then
    Memo.Color := clRed;
end;

```

*C++ Script:*

```

void Cross1OnPrintCell(
  TfrxMemoView Memo,
  int RowIndex,
  int ColumnIndex,
  int CellIndex,
  Variant RowValues,
  Variant ColumnValues,
  Variant Value)
{
  if ((VarToStr(ColumnValues[0]) == "1999") &&
    (VarToStr(ColumnValues[1]) == "11"))
  {
    Memo.Color = clRed;
  }
}

```

```

        , RowValues ColumnValues -
        Variant .
    ColumnValues[0] - , ColumnValues[1] - .
        VarToStr?
        . FastReport Variant
        'Total' 'Grand Total'.
        OnPrintColumnHeader
        " " ( HeaderIndexes, HeaderValues) OnPrintCell,
        HeaderValues , ColumnValues,
RowValues OnPrintCell. HeaderIndexes
        Variant :
        - - :
        , :

```

	0					1				2			
	0	1	2	3	4	0	1	2	3	0	1	2	3
0	1000		1100	1200	<b>3300</b>	1300	1400		<b>2700</b>		1500	1600	<b>3100</b>
1		2100	2200		<b>4300</b>		2400		<b>2400</b>				<b>0</b>
2		3000	3100		<b>6100</b>			3200	<b>3200</b>				<b>0</b>
3					<b>0</b>	3999			<b>3999</b>	4000	4100		<b>8100</b>
4	<b>1000</b>	<b>5100</b>	<b>6400</b>	<b>1200</b>	<b>13700</b>	<b>5299</b>	<b>3800</b>	<b>3200</b>	<b>12299</b>	<b>4000</b>	<b>5600</b>	<b>1600</b>	<b>11200</b>

HeaderValues,

:

*Pascal script:*

```

procedure Cross1OnPrintColumnHeader(Memo: TfrxMemoView;
    HeaderIndexes, HeaderValues, Value: Variant);
begin
    if (HeaderIndexes[0] = 0) and (HeaderIndexes[1] = 2) then
        Memo.Color := clRed;
end;

```

*C++ Script:*

```

void Cross1OnPrintColumnHeader(
    TfrxMemoView Memo,

```

```

Variant HeaderIndexes,
Variant HeaderValues,
Variant Value)
{
  if ((HeaderIndexes[0] == 0) && (HeaderIndexes[1] == 2)) { Memo.Color =
clRed; }
}

```

OnCalcWidth, OnCalcHeight

```

, OnCalcWidth: 11 1999 .

```

*Pascal script:*

```

procedure Cross1OnCalcWidth(ColumnIndex: Integer;
  ColumnValues: Variant; var Width: Extended);
begin
  if (VarToStr(ColumnValues[0]) = '1999') and
    (VarToStr(ColumnValues[1]) = '11') then
    Width := 100;
end;

```

*C++ Script:*

```

void Cross1OnCalcWidth(
int ColumnIndex,
variant ColumnValues,
Extended &Width)
{
  if ((VarToStr(ColumnValues[0]) == "1999") &&
    (VarToStr(ColumnValues[1]) = "11"))
  {
    Width = 100;
  }
}

```

:

	1999				
	2	10	11	12	Total
Ann	1000		1100	1200	<b>3300</b>
Ben		2100	2200		<b>4300</b>
Catherine		3000	3100		<b>6100</b>
Den					<b>0</b>
<b>Grand Total</b>	<b>1000</b>	<b>5100</b>	<b>6400</b>	<b>1200</b>	<b>13700</b>

Width := 0.

## 7.9

**Редактор Cross-tab**

Размерность

Строки: 1

Колонки: 2

Ячейки: 1

Структура таблицы

Column1  Подитоги A-Я

Column2  A-Я

Row  A-Я

Cell  Sum

Выберите стиль

Salary	Year, Month		
Employee	[Column1]		Grand Total
	[Column2]	Total	
[Row]	0	0	0
<b>Grand Total</b>	0	0	0

- Заголовок таблицы
- Угол таблицы
- Заголовок колонки
- Заголовок строки
- Итог колонки
- Итог строки
- Авто-размер
- Рамка вокруг ячеек
- Печатать вниз, потом вбок
- Повторять заголовки на новой странице
- Ячейки одной строкой
- Объединять одинаковые ячейки

OK Отмена

```

- 1.
OnBeforePrint :

```

*PascalScript:*

```

procedure Cross1OnBeforePrint(Sender: TfrxComponent);
begin
  with Cross1 do
  begin
    AddValue(['Ann'], [2001, 2], [1500]);
    AddValue(['Ann'], [2001, 3], [1600]);
    AddValue(['Ann'], [2002, 1], [1700]);

    AddValue(['Ben'], [2002, 1], [2000]);

    AddValue(['Den'], [2001, 1], [4000]);
    AddValue(['Den'], [2001, 2], [4100]);
  end;
end;

```

*C++ Script:*

```

void Cross1OnBeforePrint(TfrxComponent Sender)
{
  Cross1.AddValue(["Ann"], [2001, 2], [1500]);
  Cross1.AddValue(["Ann"], [2001, 3], [1600]);
  Cross1.AddValue(["Ann"], [2002, 1], [1700]);

  Cross1.AddValue(["Ben"], [2002, 1], [2000]);

  Cross1.AddValue(["Den"], [2001, 1], [4000]);
  Cross1.AddValue(["Den"], [2001, 2], [4100]);
}

```

TfrxCrossView.AddValue.

Variant.

AddValue

Salary	Year, Month						Grand Total
Employee	2001			2002		Grand Total	
	1	2	3	Total	1		
Ann		1500	1600	3100	1700	1700	4800
Ben				0	2000	2000	2000
Den	4000	4100		8100		0	8100
<b>Grand Total</b>	4000	5600	1600	11200	3700	3700	14900

AddValue

" -

"

-

,

,

## 7.10

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(

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:

Зарплата	Год				
Сотрудник	1999	2000	2001	2002	Итого
Ann	■■■■ 3 300,00р.	■■ 2 700,00р.	■■■■ 3 100,00р.	■■ 1 700,00р.	10 800,00р.
Ben	■■■■ 3 900,00р.	■■ 2 100,00р.	■	■■ 1 800,00р.	7 800,00р.
Catherine	■■■■ 6 100,00р.	■■■■ 3 200,00р.	■	■	9 300,00р.
Den	■	■■■■ 3 999,00р.	■■■■ 8 100,00р.	■	12 099,00р.
<b>Итого</b>	13 300,00р.	11 999,00р.	11 200,00р.	3 500,00р.	39 999,00р.

100,

-

3000,

-

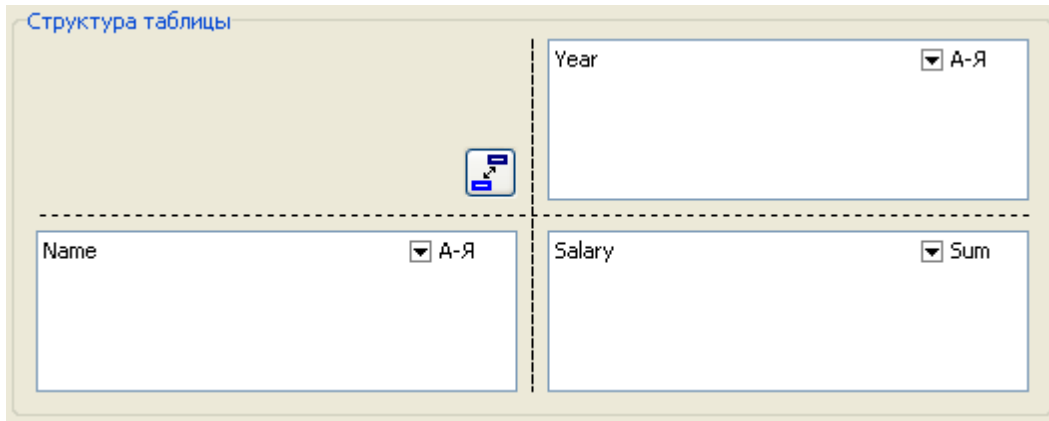
3000.

"

-

"

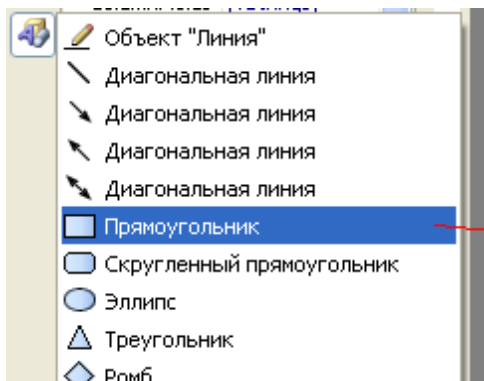
:



" - " (AutoSize).

Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
<b>Итого</b>	0,00р.	0,00р.

" / "



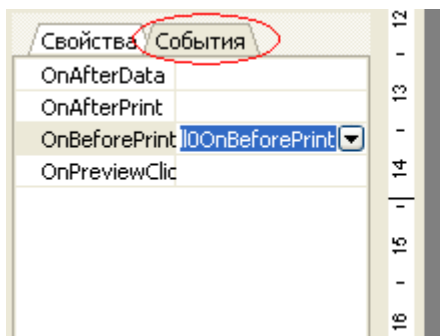
Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
<b>Итого</b>	0,00р.	0,00р.

:



Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
<b>Итого</b>	0,00р.	0,00р.

OnBeforePrint:



Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
<b>Итого</b>	0,00р.	0,00р.

(  
):

```

procedure DBCross1Cell10OnBeforePrint(Sender: TfrxComponent);
begin
  // Value -
  if Value < 100 then
  begin
    //
    DBCross1Object1.Color := clMaroon; //
    //
    DBCross1Object2.Color := clWhite;
    //
    DBCross1Object3.Color := clWhite;
  end
  else if Value < 3000 then
  begin
    DBCross1Object1.Color := $00CCFF; //
    DBCross1Object2.Color := $00CCFF;
    DBCross1Object3.Color := clWhite;
  end
  else
  begin
    DBCross1Object1.Color := $00CC98; //
    DBCross1Object2.Color := $00CC98;
    DBCross1Object3.Color := $00CC98;
  end

```

```
end;  
end;
```

## 7.11

- Заголовок таблицы
- Угол таблицы
- Заголовок колонки
- Заголовок строки
- Итог колонки
- Итог строки
  
- Авто-размер
- Рамка вокруг ячеек
- Печатать вниз, потом вбок
- Повторять заголовки на новой странице
- Ячейки одной строкой
- Объединять одинаковые ячейки

Зарплата Сотрудник	Год				Сумма
	1999	2000	2001	2002	
Ann	3 300,00р.	2 700,00р.	3 100,00р.	1 700,00р.	10 800,00р.
Ben	3 900,00р.	2 100,00р.		1 800,00р.	7 800,00р.
Catherine	6 100,00р.	3 200,00р.			9 300,00р.
Den		3 999,00р.	8 100,00р.		12 099,00р.
<b>Сумма</b>	13 300,00р.	11 999,00р.	11 200,00р.	3 500,00р.	39 999,00р.

1) " , " - :

Salary	Year				Grand Total
	1999	2000	2001	2002	
Employee					
Ann	3 300,00р.	2 700,00р.	3 100,00р.	1 700,00р.	10 800,00р.
Ben	3 900,00р.	2 100,00р.		1 800,00р.	7 800,00р.
Catherine	6 100,00р.	3 200,00р.			9 300,00р.
Den		3 999,00р.	8 100,00р.		12 099,00р.
<b>Grand Total</b>	13 300,00р.	11 999,00р.	11 200,00р.	3 500,00р.	39 999,00р.

2) " , " - :

Employee	1999		2000		2001		2002		Grand Total
	Salary	Year	Salary	Year	Salary	Year	Salary	Year	
Ann	3 300,00p.	2 700,00p.	3 100,00p.	1 700,00p.					10 800,00p.
Ben	3 900,00p.	2 100,00p.		1 800,00p.					7 800,00p.
Catherine	6 100,00p.	3 200,00p.							9 300,00p.
Den		3 999,00p.	3 100,00p.						12 099,00p.
<b>Grand Total</b>	13 300,00p.	11 999,00p.	6 200,00p.	3 500,00p.					39 999,00p.

Сотрудник	Год				Сумма
	1999	2000	2001	2002	
Ann	3	4	2	12	
Ben	4	2		8	
Catherine	6	3		9	
Den		4	7	11	
<b>Сумма</b>	13	12	11	4	40

- AddWidth, AddHeight -

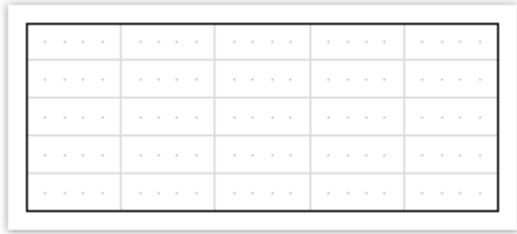




" "

Microsoft Excel.

:

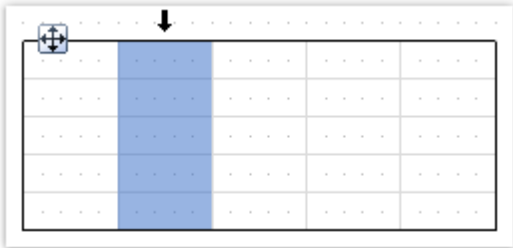


8.1

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•

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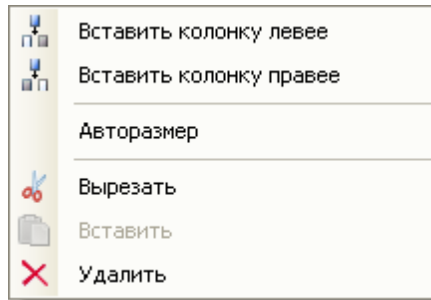
,

,

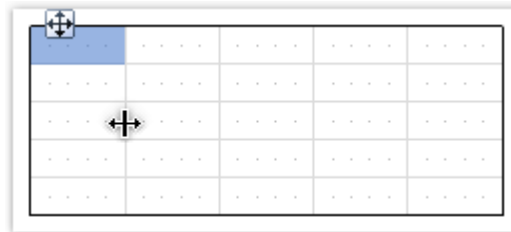
:

"

"



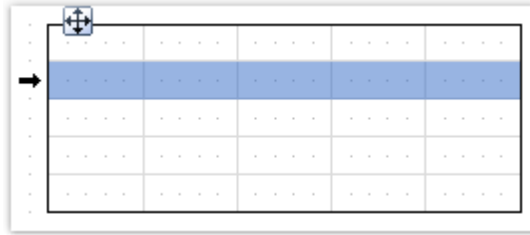
## 8.2



• " (Width).  
 " (AutoSize).  
 (MinWidth) " (MaxWidth).

## 8.3



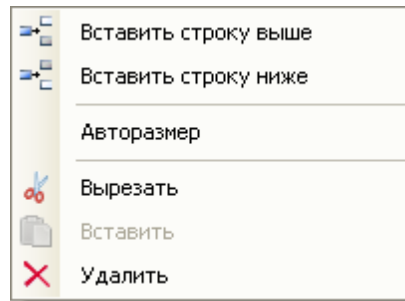


- 
- 
- 

, ;  
, ;  
, ;

;

:

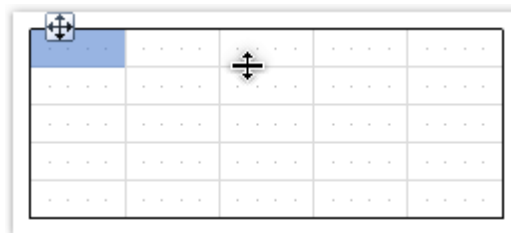


## 8.4

:

- 

:



,

;

- 

" " (Height).

" "

" " (AutoSize).



1	2	3
4	5	
7	5	

8.7

- " " ,
- " - " ,
- " " .

<b>Name</b>	[Employees.FirstName] [Employees.LastName]	
<b>Title</b>	[Employees.Title]	
<b>Phone</b>	[Employees.HomePhone]	
<b>Photo</b>		Total: [Count (Cell2)]

" (Align)



,

FastReport

TfrxChartObject   
TeeChart,  
TeeChartPro,

FastReport.  
Delphi.

country

DBDEMOS.

Name	Area	Population
Argentina	2 777 815	32 300 003
Bolivia	1 098 575	7 300 000

....

TfrxDBDataSet, TfrxReport Delphi. TTable,  
:

Table1:

*DatabaseName = 'DBDEMOS'*

*TableName = 'country.db'*

frxDBDataSet1:

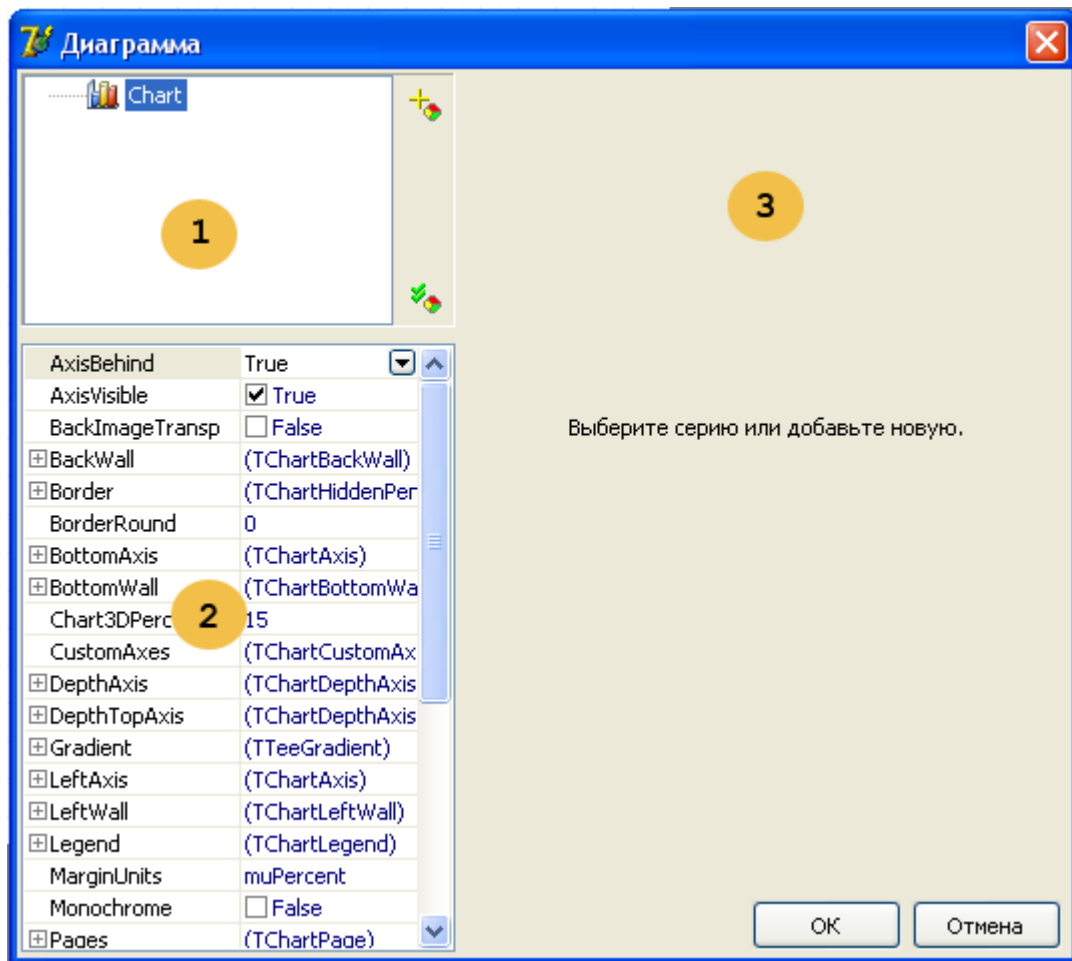
*DataSet = Table1*

*UserName = 'Country'*

...":

- 18 8 .



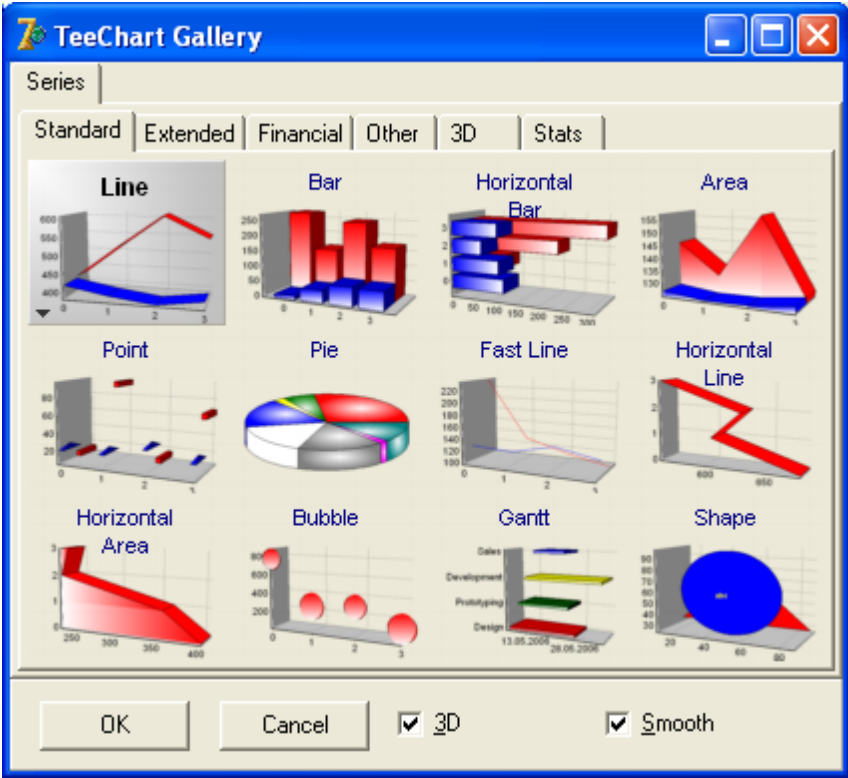


1 –  
(series).

2 –

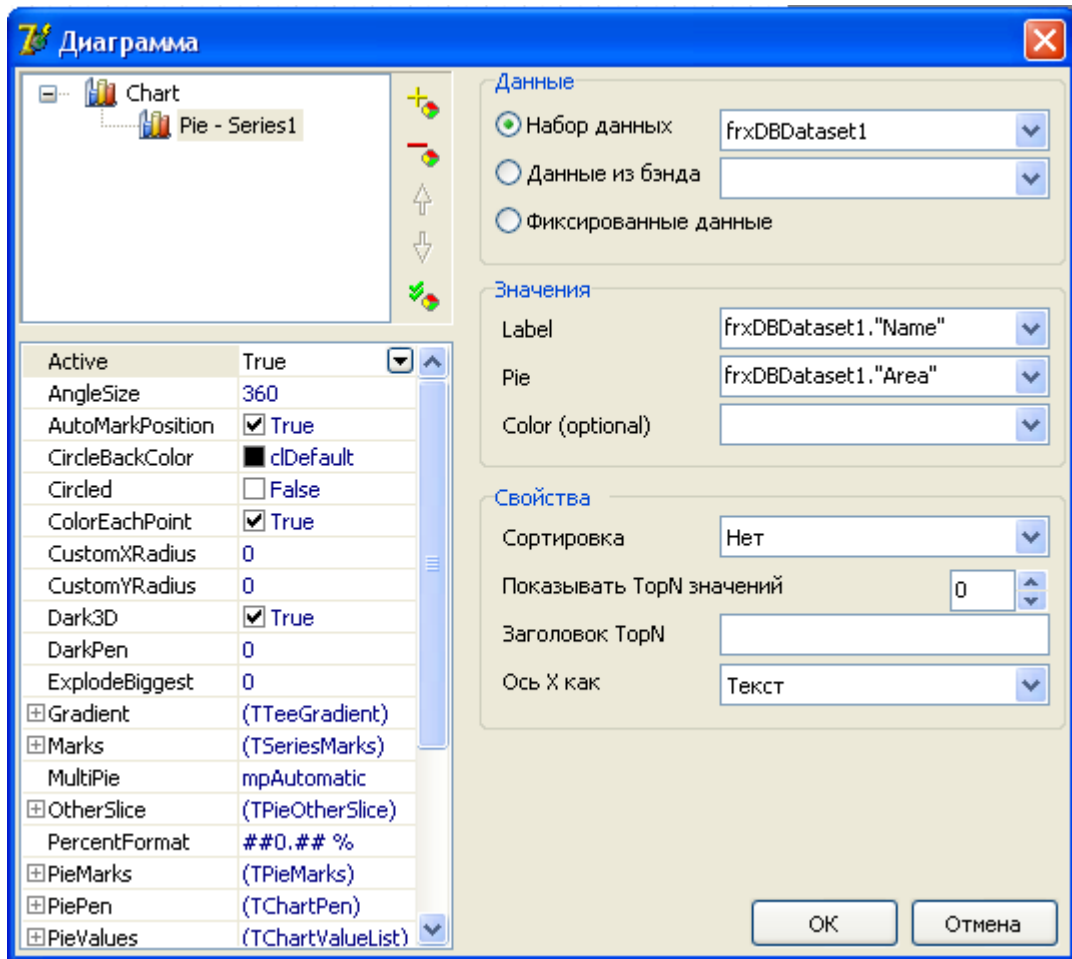
3 –

1.



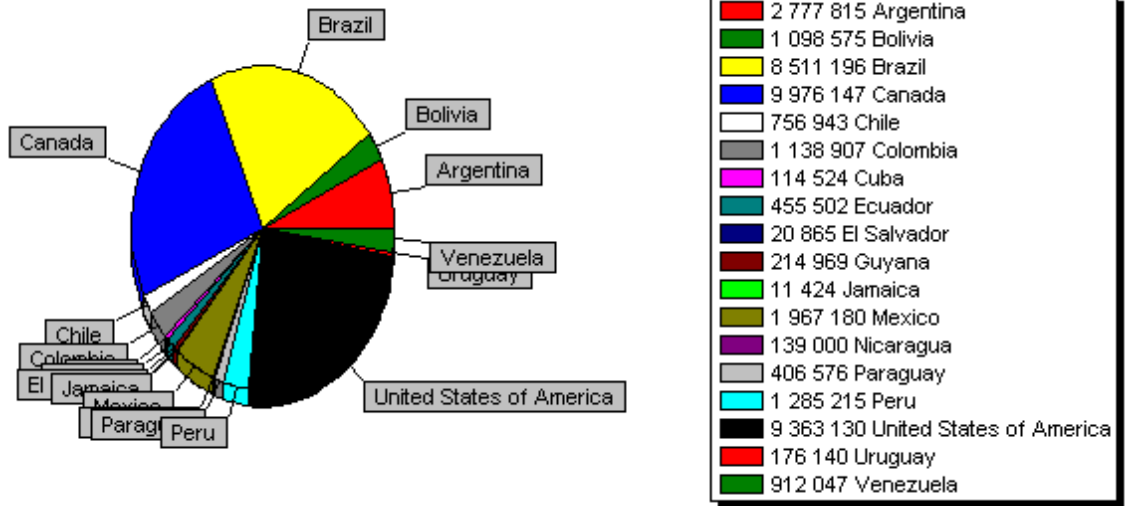
3

"Label" "Pie"



( ) "Label"  
"Pie". "Color",  
"





? - ,

:

Свойства  
Сортировка По убыванию ▾

### 9.1

FastReport

**Свойства**

Сортировка

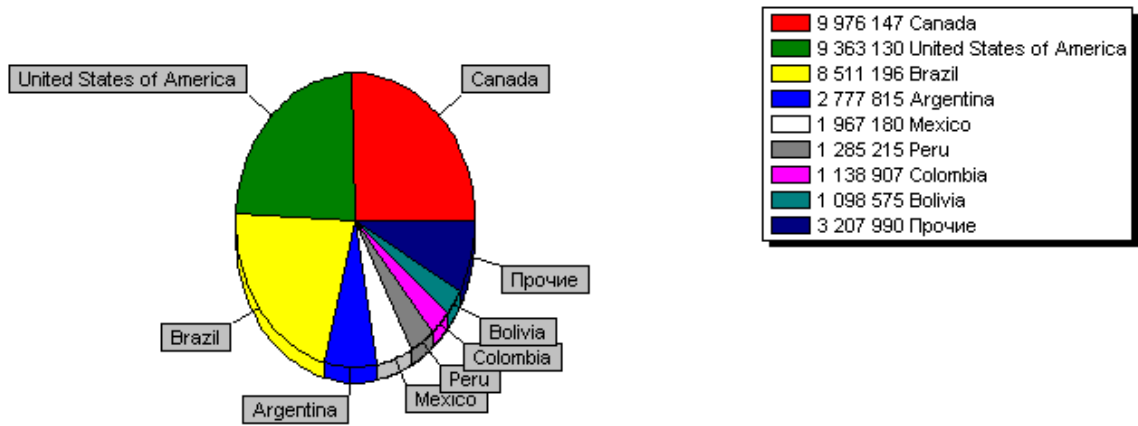
Показывать TopN значений

Заголовок TopN

Ось X как

"TopN"

"TopN"



## 9.2

- Gradient -

Gradient.Visible.

- Legend -

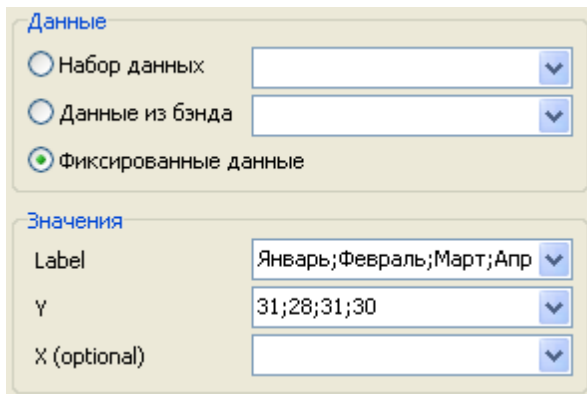
Legend.Visible.

Legend.Alignment.

- ColorEachPoint –
- ExplodeBiggest –  
").
- Marks –
- ValueFormat –

TeeChart Pro,

### 9.3



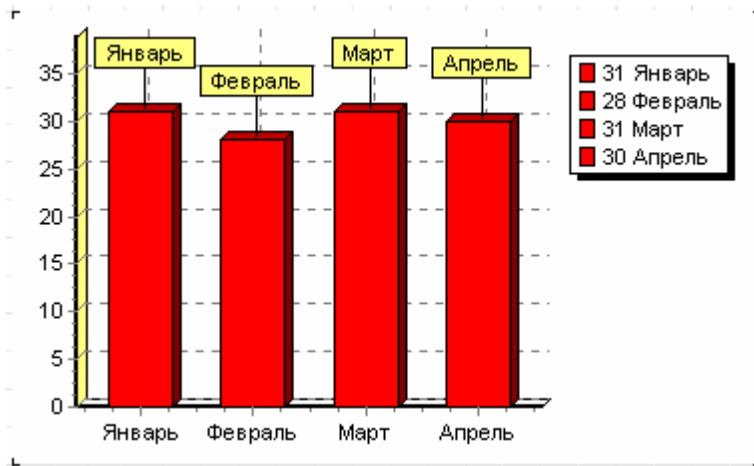
The image shows a configuration dialog box for TeeChart Pro. It is divided into two main sections: 'Данные' (Data) and 'Значения' (Values).

**Данные (Data):**

- Набор данных (Data set)
- Данные из бэнда (Data from band)
- Фиксированные данные (Fixed data)

**Значения (Values):**

- Label: Январь;Февраль;Март;Апр (January;February;March;April)
- Y: 31;28;31;30
- X (optional):



## 9.4

X, Y.

:

*PascalScript:*

```
begin
  Chart1.SeriesData[0].Source1 := '      ;      ;      ';
  Chart1.SeriesData[0].Source2 := '31;28;31;30';
end.
```

*C++Script:*

```
{
  Chart1.SeriesData[0].Source1 = "      ;      ;      ";
  Chart1.SeriesData[0].Source2 = "31;28;31;30";
}
```

SeriesData[0]

SeriesData[ \_ ].

## 9.5

## Delphi

Delphi

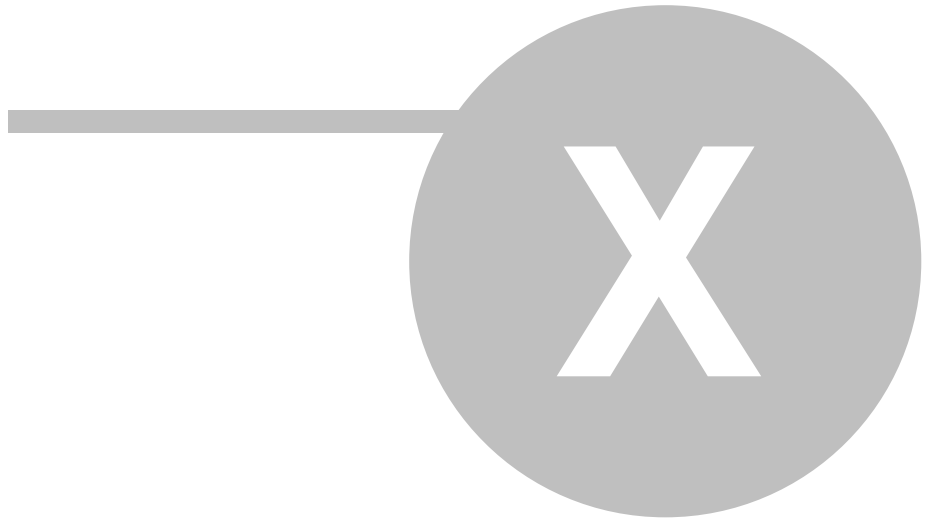
TfrxReport.OnBeforePrint:

```

procedure TForm1.frxReport1BeforePrint(Sender: TfrxReportComponent);
begin
  if Sender.Name = 'Picture1' then
    TfrxPictureView(Sender).Picture.Assign(
      Chart1.TeeCreateMetafile(False,
        Rect(0, 0, Round(Sender.Width), Round(Sender.Height))));
end;

```

Picture1 – " ", Chart1 – .



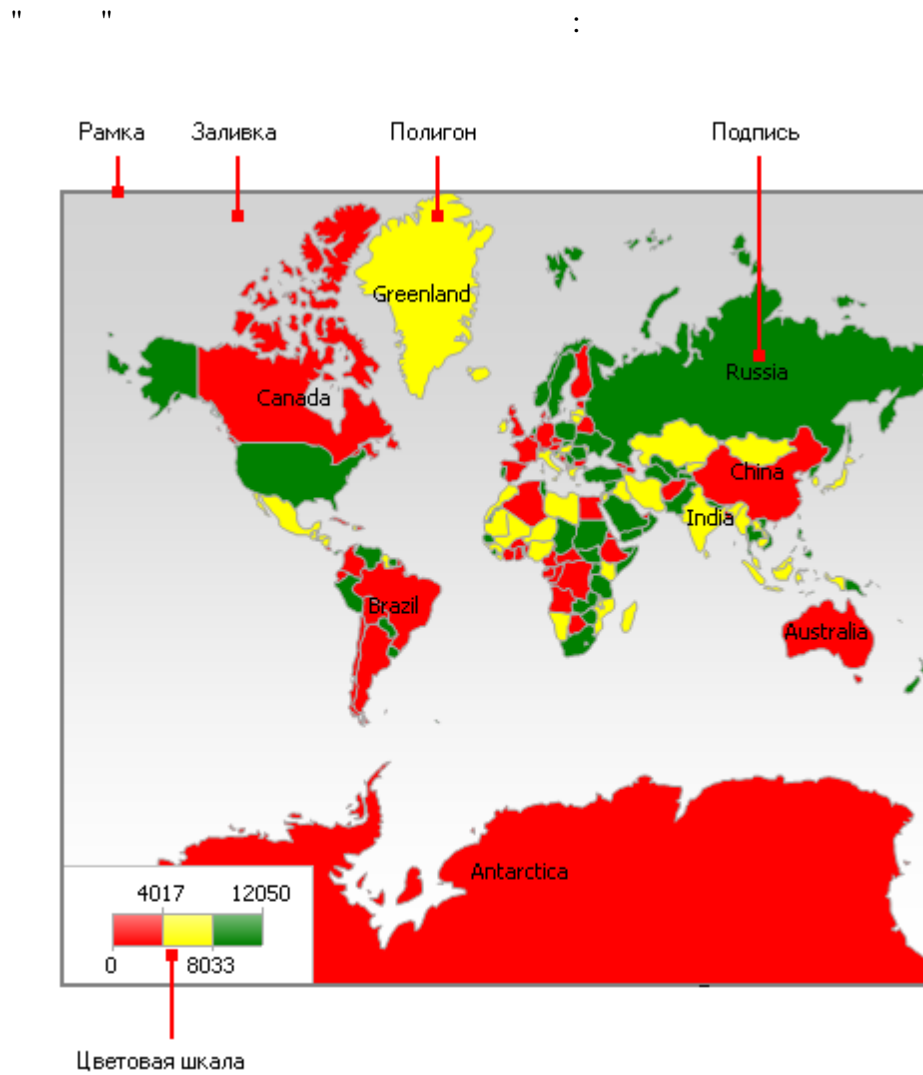
" " (MapObject)  
 ESRI shapefile (.shp/.dbf), Open Street Map (.osm), GPS-  
 (GPS Exchange File, .gpx).

<http://ru.wikipedia.org/wiki/Shapefile>

<https://ru.wikipedia.org/wiki/OpenStreetMap>

<https://ru.wikipedia.org/wiki/GPX>

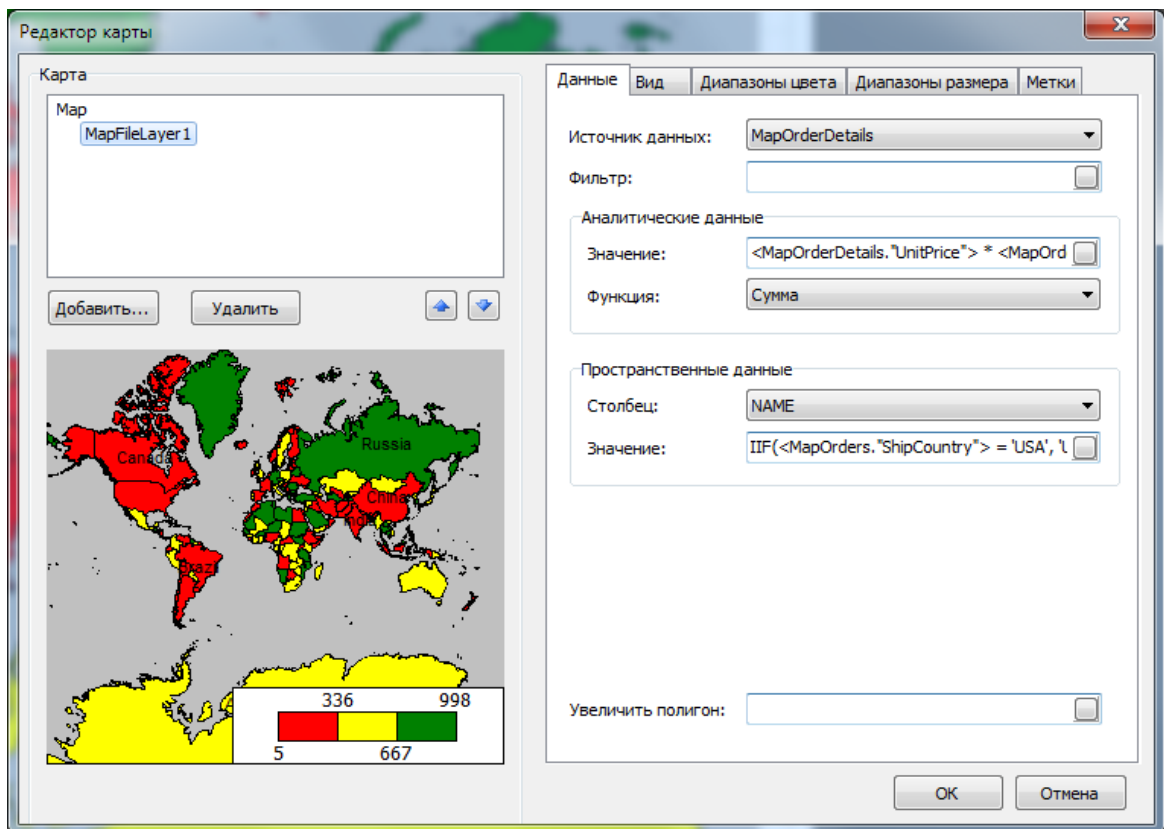
## 10.1



## 10.2

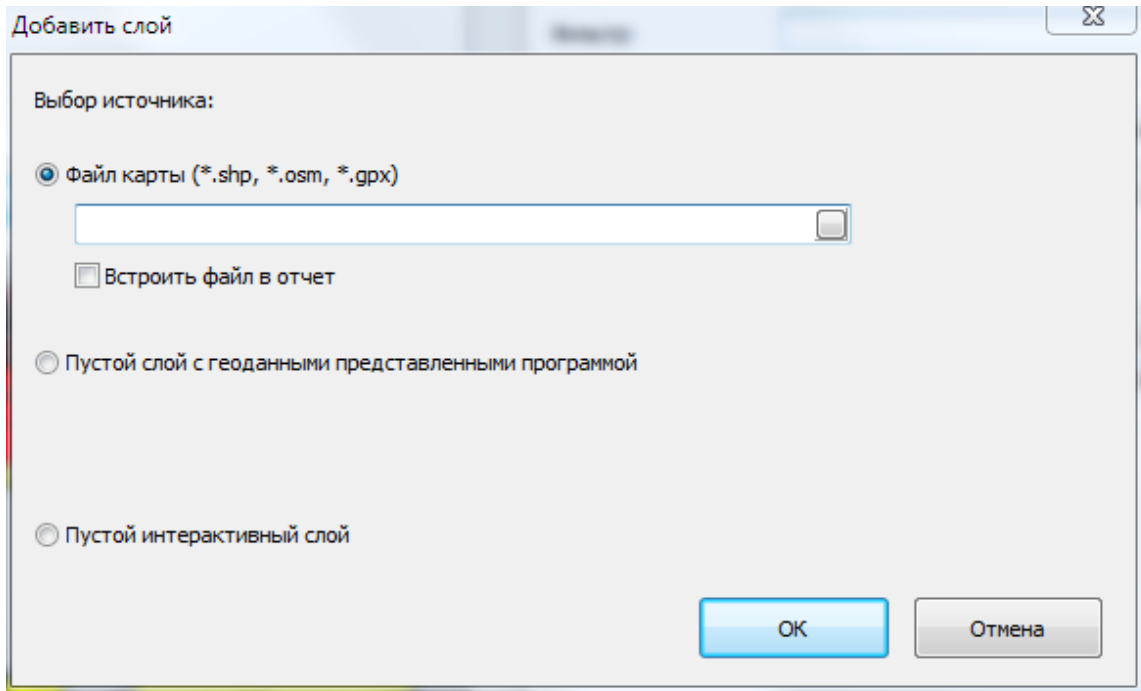
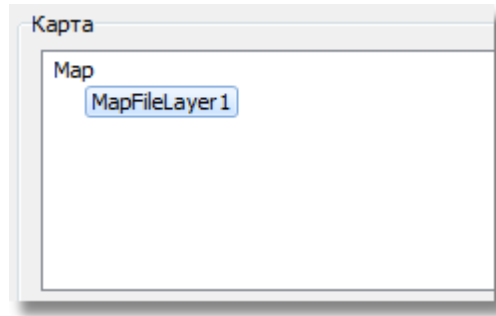
MinZoom, MaxZoom.

## 10.3





## 10.3.1

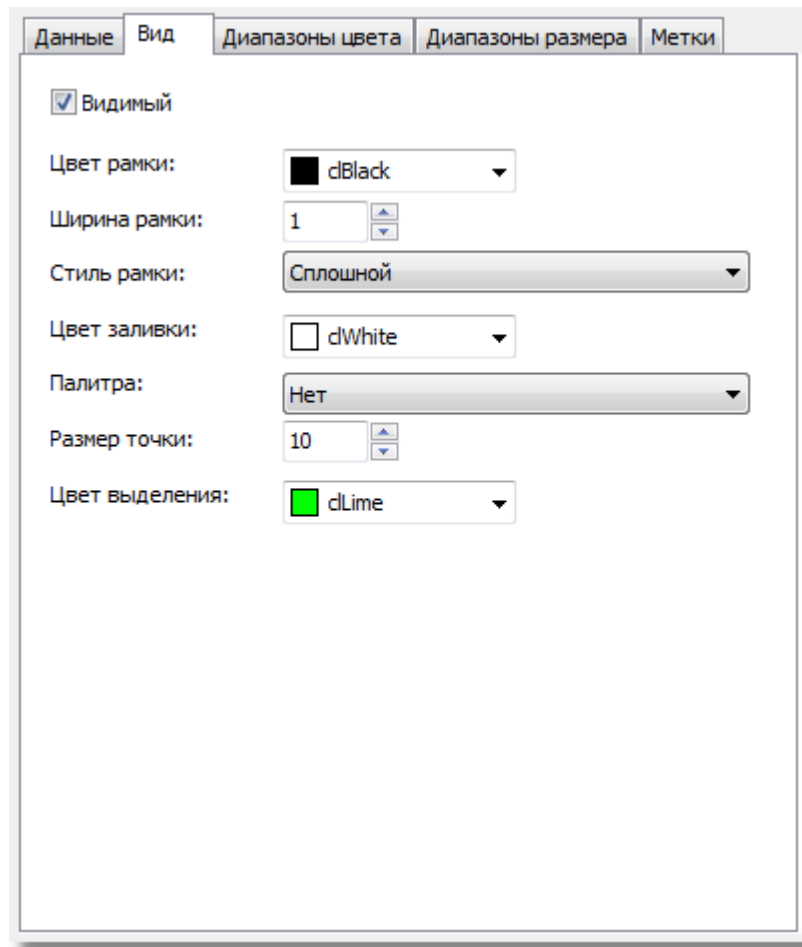


(.shp/.dbf, .osm, .gpx).

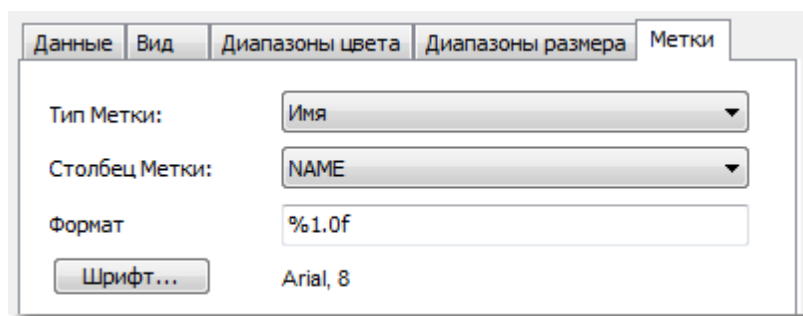
( ,  
, ) . , -  
, - , .  
.  
:  
- .  
- .  
, .  
, .  
( 30 ) ( 20000 )  
.

### 10.3.2

" " . ,



### 10.3.3



```
        .shp,
        "NAME".
    - FastReport,
    - NAME ( , Russia)
    - ABBREV ( , Rus.)
    - ISO_A2 ( , RU)
    - ISO_A3 ( , RUS)
```

### 10.3.4

```
        " "
        ,
        " "
        (
        ,
    ):
    -
    :
```

Данные Вид Диапазоны цвета Диапазоны размера Метки

Источник данных: MapOrderDetails

Фильтр:

Аналитические данные

Значение: <MapOrderDetails."UnitPrice"> \* <MapOrd

Функция: Сумма

Пространственные данные

Столбец: NAME

Значение: IIF(<MapOrders."ShipCountry"> = 'USA', 1

Увеличить полигон:

- ( , );

- ( , ).

, Sales :

Country	SalesTotal
-----	-----
USA	500000
Germany	1200000
Russia	300000

- Sales :

- , - , "NAME".

- , - [Sales.Country]

- , - [Sales.SalesTotal]

- , - " " ,



50.94165 6.95505 Koln 36000

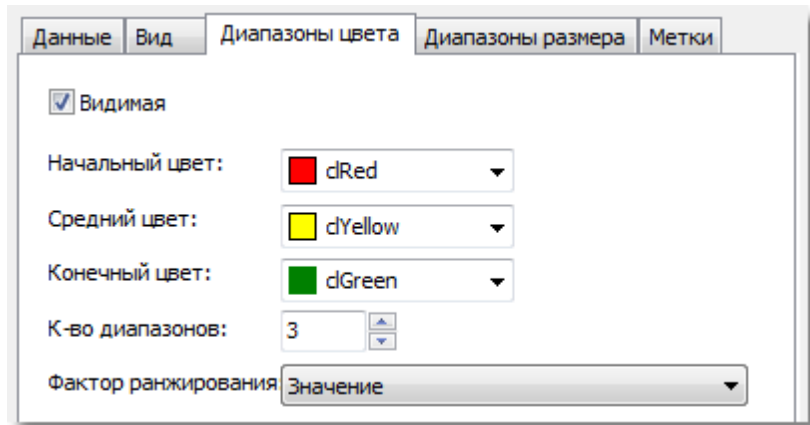
```

- Sales
- [Sales.Latitude]
- [Sales.Longitude]
- [Sales.CityName]
- [Sales.SalesTotal]
- " "

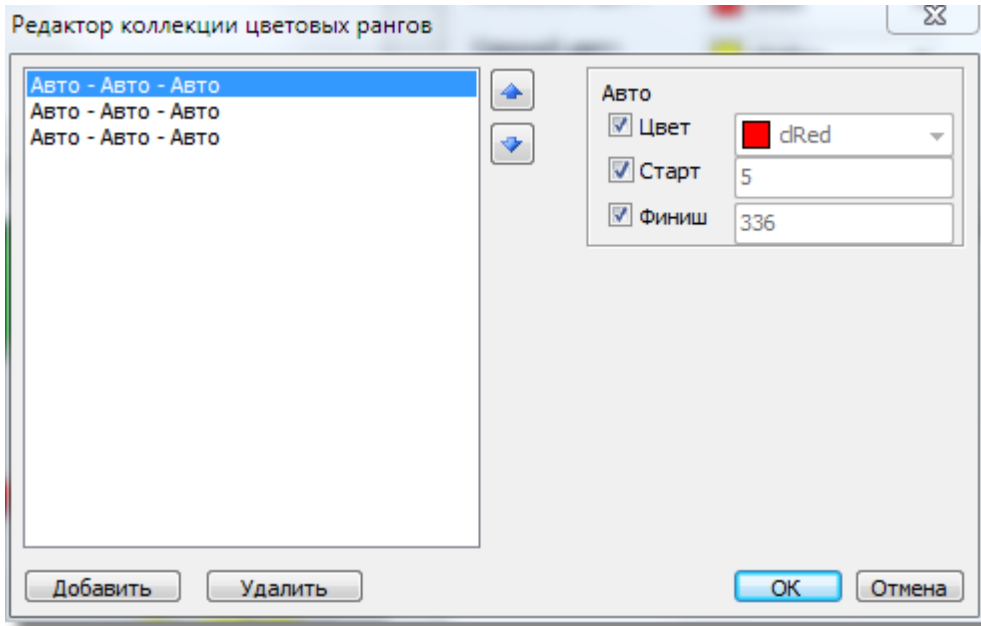
```

10.3.5

)? ( , - , " , "). , - " . " :



; . ( ) ; ; ; ; :



" "

FastReport

"

" "

"

"

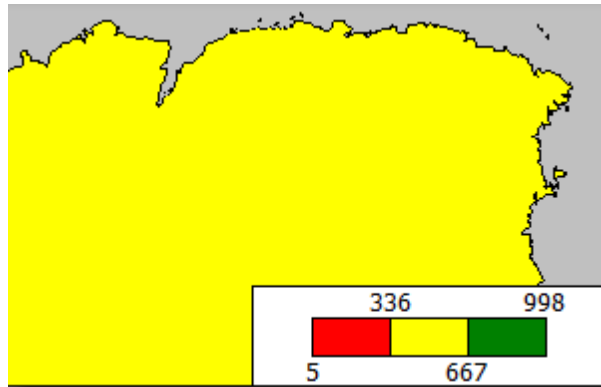
,

"

"

,

:



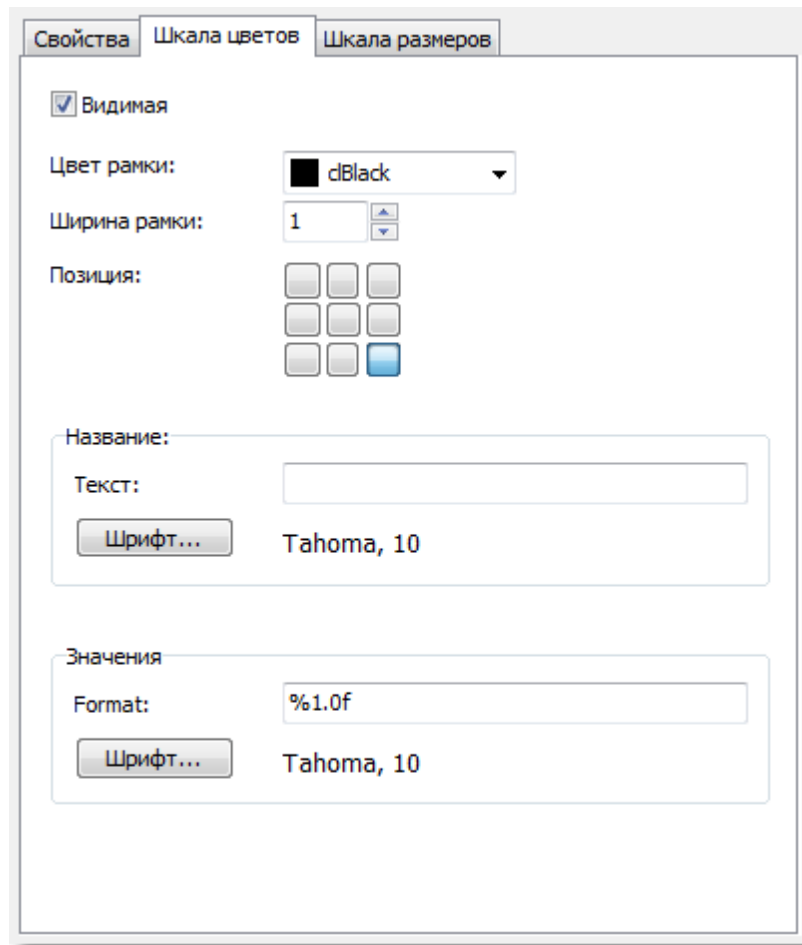
"

"

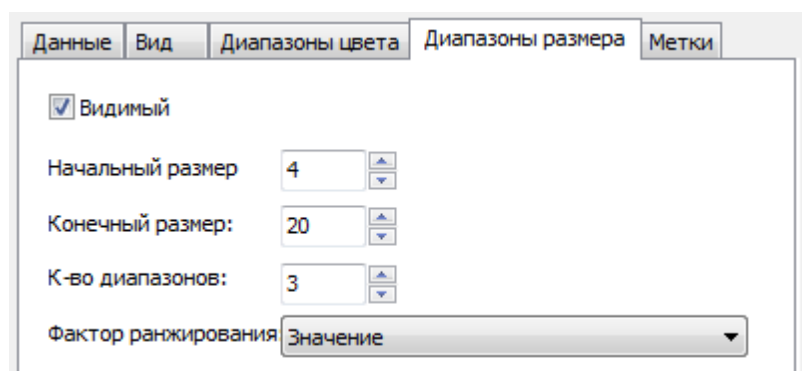
"

"

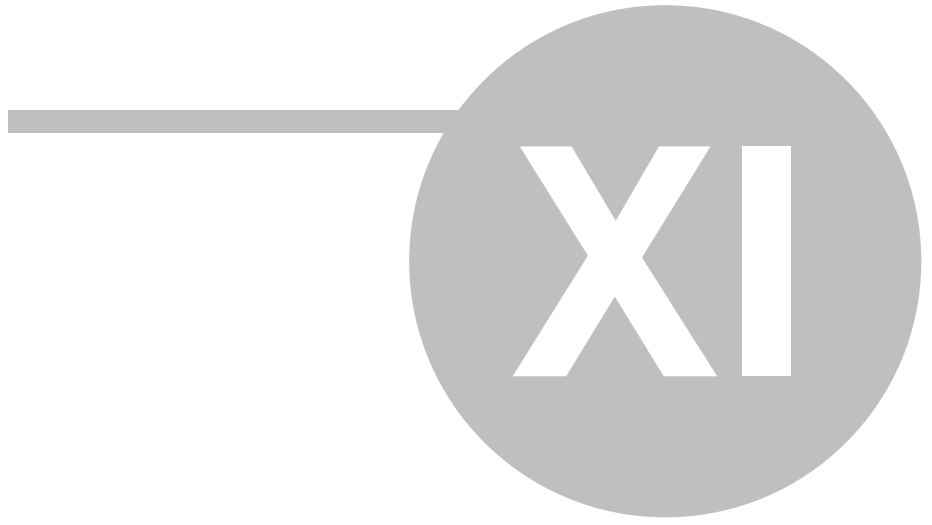




### 10.3.6







FastReport

( , ' ) .  
:

- ( ) - ;
- , ;

### 11.1

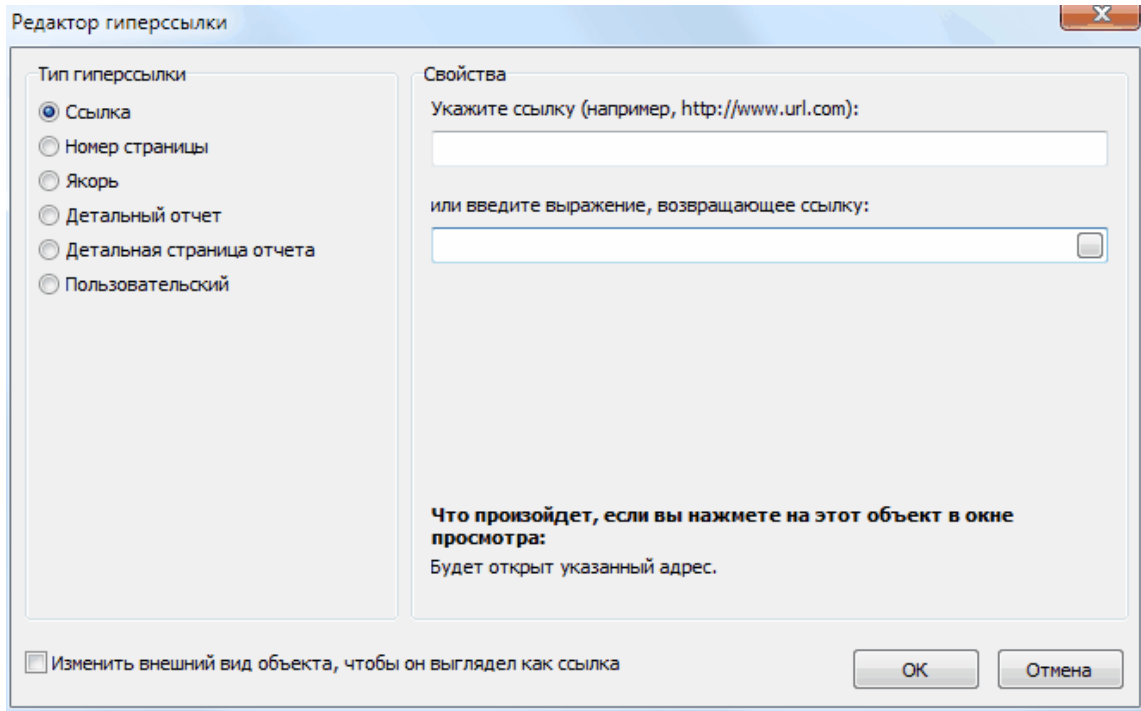
" " (Hyperlink),

, .  
:

- URL;
- e-mail;
- - ;
- ;
- , ;
- ;
- , .

### 11.2

,  
' " ..." :  
"



- "Visibility".
- ( Cursor)

## 11.3

## URL

- ; , "mailto:"
- ; , "http://www.fast-report.com";

## 11.4

1).

- , 1;
- , .

## 11.5

).

Engine.AddAnchor. " /

- ;
- , ,

## 11.6

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- , ;

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### 11.7

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• , .

Visible

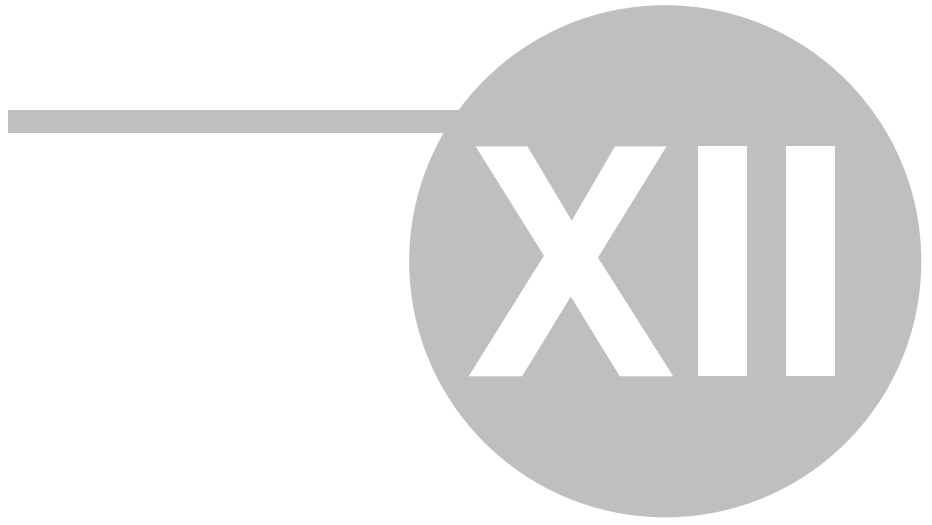
false.

,

## 11.8

OnClick

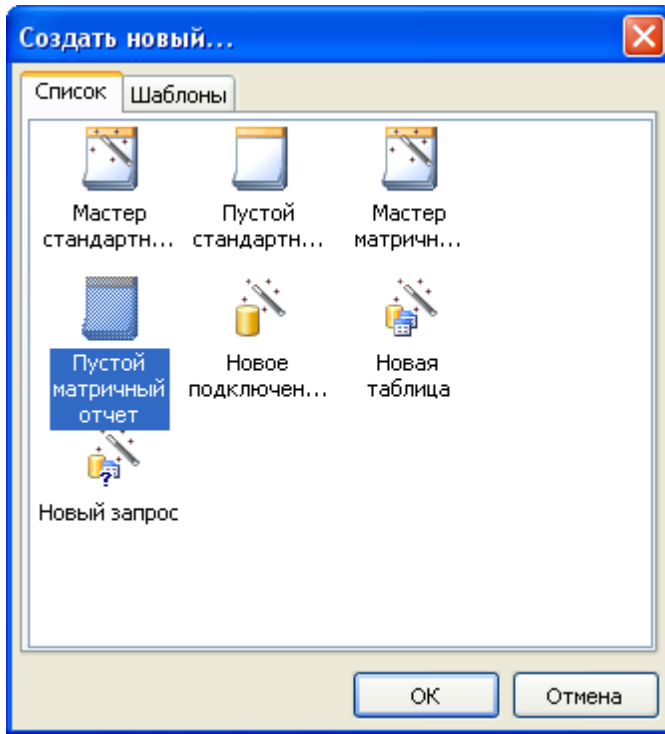




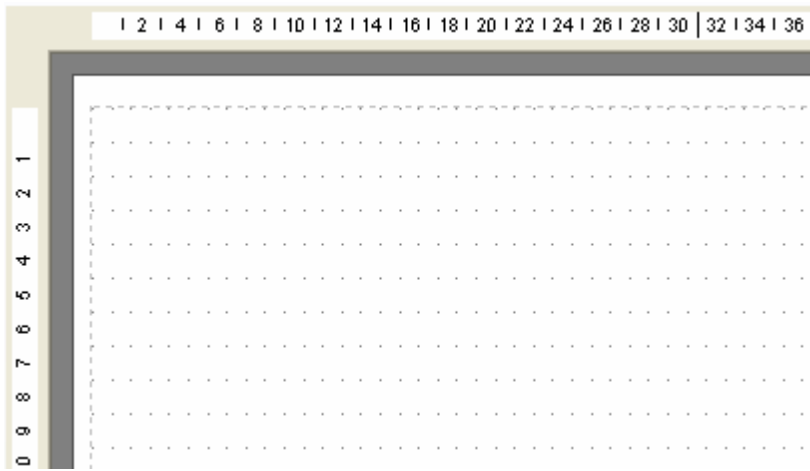
```

        (
            ,
            ).
        . FastReport
        ,
        .
        .
        «
        »,
        .
        «
        ».
        .
        Delphi,
        TTable, TfrxDBDataSet, TfrxReport, TfrxDotMatrixExport :
        TTable:
        DatabaseName = 'DBDEMOS'
        TableName = 'Customer.db'
        TfrxDBDataSet:
        DataSet = Table1
        UserName = 'Customers'
        " | ..."
        «
        »:

```

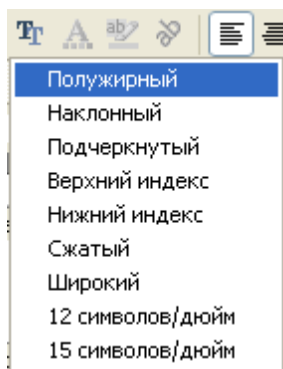


:



« », « », « », «ESC- », « », « - ».





### Клиенты

Наименование	Адрес	Телефон
Action Club	PO Box 5451-F	813-870-0239
Action Diver Supply	Blue Spar Box #3	22-44-500211
Adventure Undersea	PO Box 744	011-34-09054
American SCUBA Supply	1739 Atlantic Avenue	213-654-0092
Aquatic Drama	921 Everglades Way	613-442-7654

## 12.1

Редактор Cross-tab

Данные

Cross

- Month
- Days
- Salary

Структура таблицы

Year A-Я

Name A-Я

Salary Sum

Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0	0
Итого	0	0

- Заголовок таблицы
- Угол таблицы
- Заголовок колонки
- Заголовок строки
- Итого колонки
- Итого строки
- Авто-размер
- Рамка вокруг ячеек
- Печатать вниз, потом вбок
- Повторять заголовки на новой странице
- Ячейки одной строкой
- Объединять одинаковые ячейки

OK Отмена

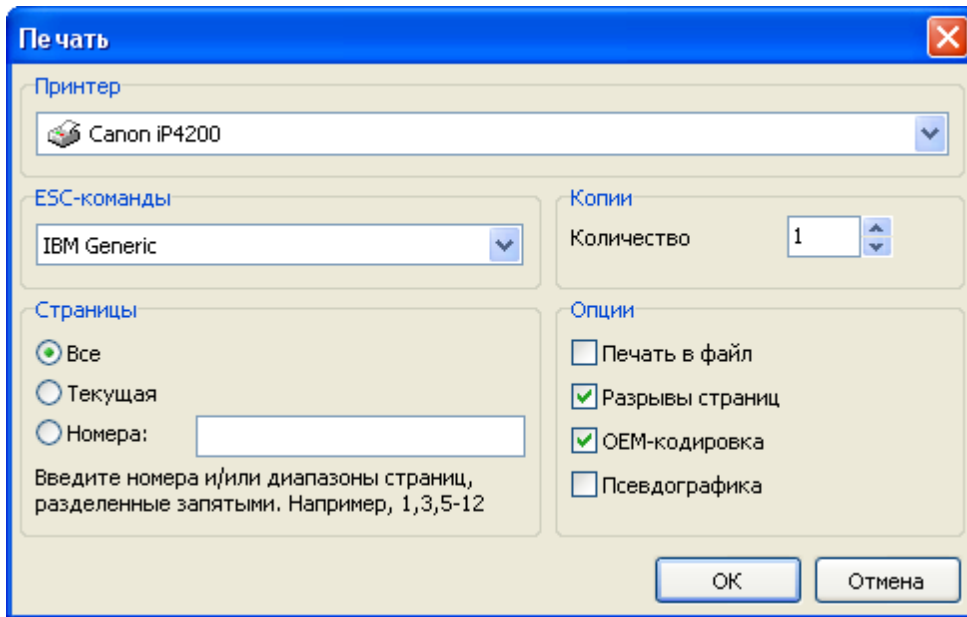
Зарплата	Год				
Сотрудник	1999	2000	2001	2002	Итого
Ann	3300	2700	3100	1700	10800
Ben	3900	2100		1800	7800
Catherine	6100	3200			9300
Den		3999	8100		12099
Итого	13300	11999	11200	3500	39999

## 12.2

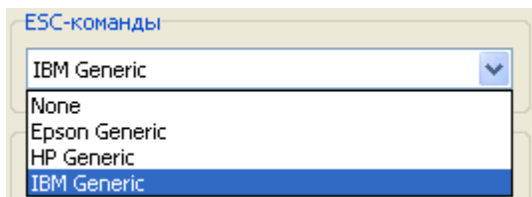
TfrxDotMatrixExport



"FastReport 4.0".

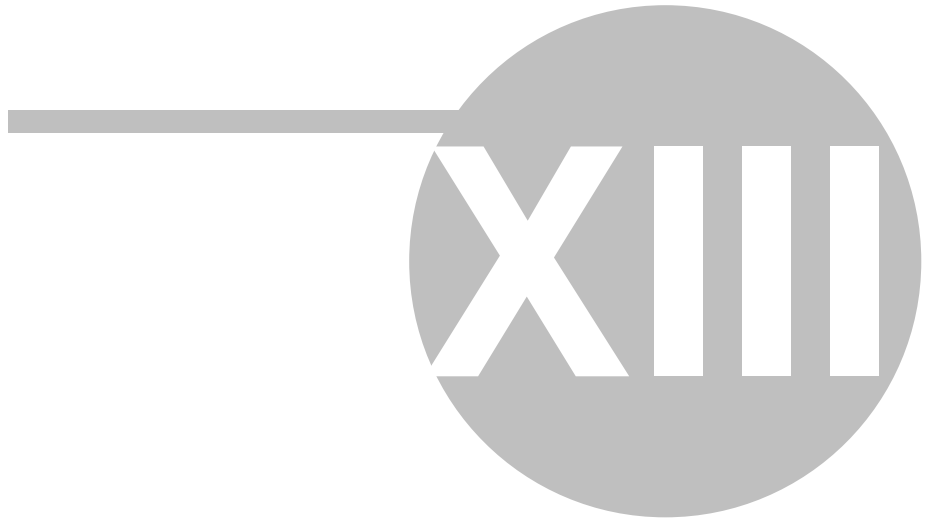


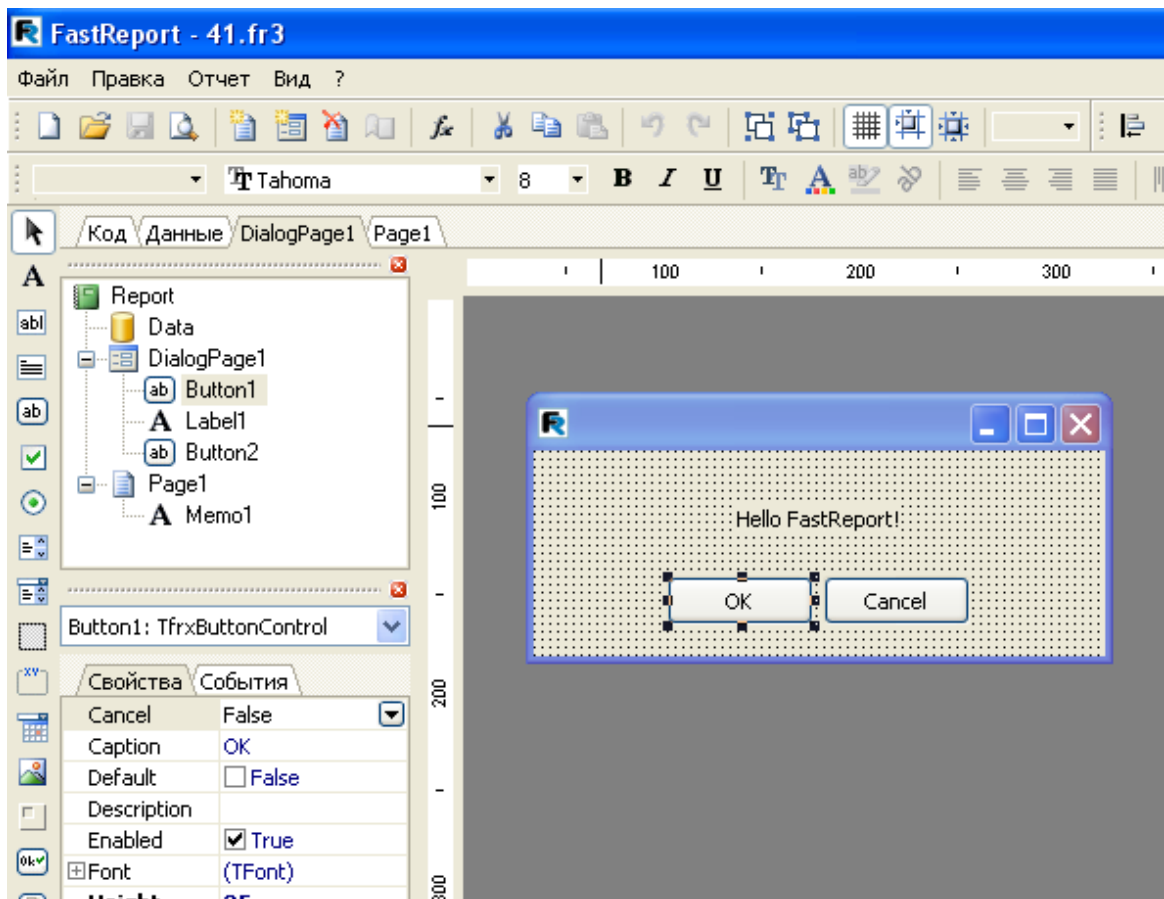
(ESC-























## 13.1






TfrxDialogControls 

FastReport.

uses frxDCtrl.

:

	TfrxLabelControl	-
	TfrxEditControl	.
	TfrxMemoControl	.
	TfrxButtonControl	.
	TfrxCheckBoxControl	, : .
	TfrxRadioButtonControl	.
	TfrxListBoxControl	.
	TfrxComboBoxControl	.
	TfrxDateEditControl	.
	TfrxGroupBoxControl	,
	TfrxPanelControl	,
	TfrxBitBtnControl	.

	TfrxSpeedButtonControl	
	TfrxMaskEditControl	
	TfrxCheckListBoxControl	
	TfrxBevelControl	
	TfrxImageControl	BMP, ICO, WMF, EMF.

Delphi.

FastReport.

## 13.2 "Hello, World!"

Delphi,

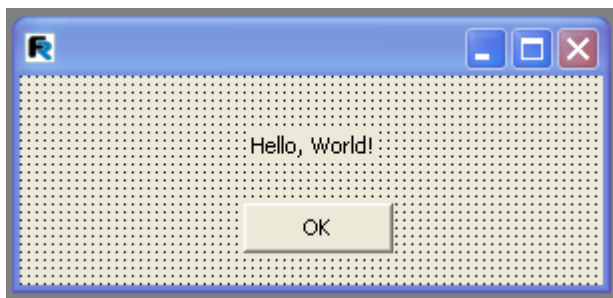
FastReport

: TfrxReport, TfrxDialogControls.

TfrxReport

TfrxLabelControl,

TfrxButtonControl:



TfrxLabelControl:

*Caption = 'Hello, World!'*

TfrxButtonControl:  
Caption = 'OK'  
Default = True  
ModalResult = mrOk

BorderStyle = bsDialog.

Delphi.

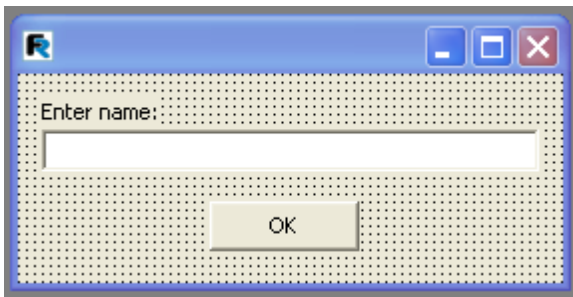


FastReport:

ModalResult = mrOk.  
mrOk.

ModalResult

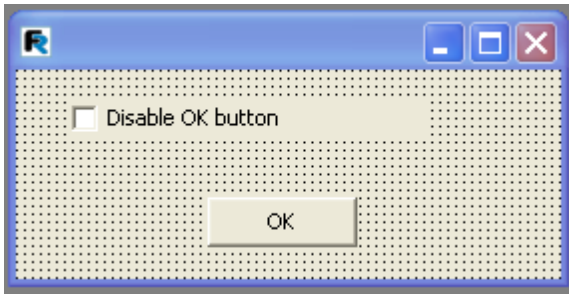
### 13.3



:

*You've entered:*  
*[Edit1.Text]*

## 13.4



OnClick, "CheckBox" –

*PascalScript:*

```
procedure CheckBox1OnClick(Sender: TfrxComponent);
begin
  Button1.Enabled := not CheckBox1.Checked;
end;
```

*C++ Script:*

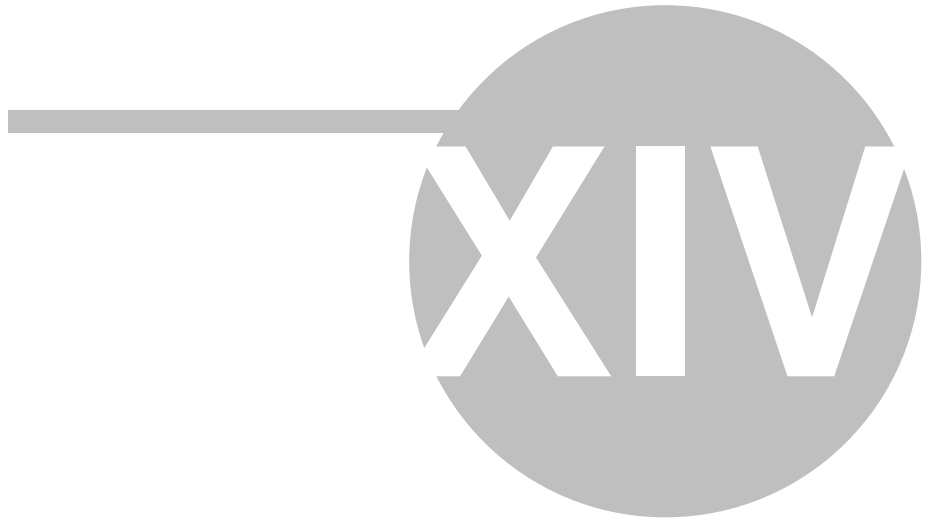
```
void CheckBox1OnClick(TfrxComponent Sender)
{
  Button1.Enabled = !CheckBox1.Checked;
}
```







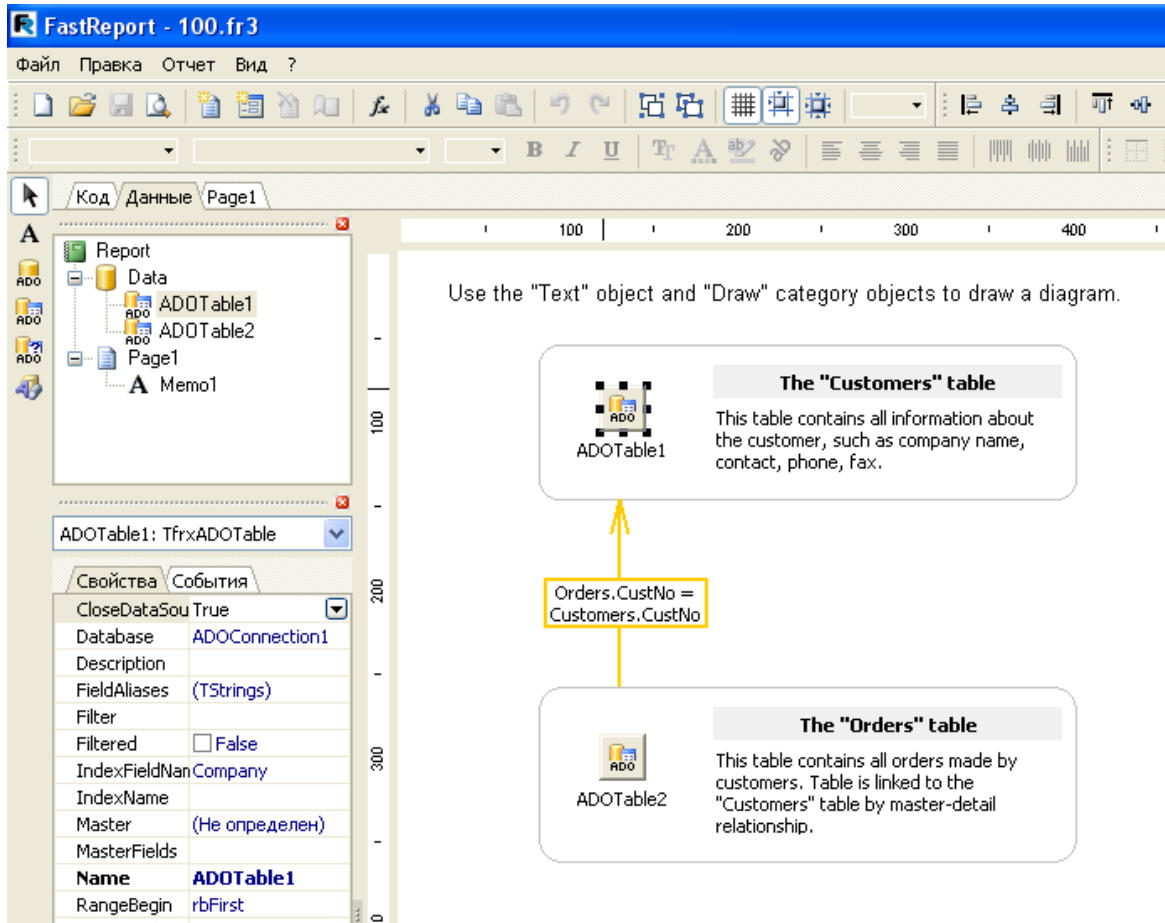




Delphi, FastReport, TTable, TQuery, TDataSet.


run-time. FastReport, FastReport





Delphi, Delphi,



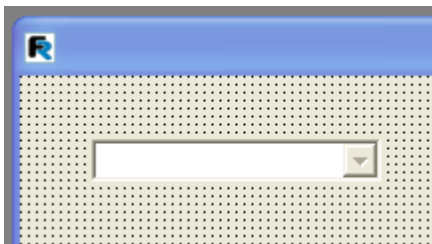
## 14.1

ADO. DBX, FIB FR BDE, IBX,

TfrxADOComponents  FastReport.  
 TfrxADOQuery, TfrxADODataBase. : TfrxDBLookupComboBox, TfrxADOTable,  
 TADOQuery, TADOConnection). Delphi (TDBLookupComboBox, TADOTable,

	TfrxDBLookupComboBox	,
	TfrxADOTable	.
	TfrxADOQuery	SQL-
	TfrxADODataBase	.

### 14.1.1 TfrxDBLookupComboBox



:

DataSet	,

	.
ListField	, .
KeyField	, .
KeyValue	, .
Text	, .
AutoOpenDataSet	True, OnActivate

Text : DataSet, ListField KeyField.  
 Text KeyValue, KeyValue

14.1.2 TfrxADOTable

:

Database	( TfrxADODatabase).
FieldAliases	.
Filter	.
Filtered	, .
IndexFieldNames	, .
IndexName	.
MasterFields	, master- .
Master	- .
TableName	.
UserName	( ) .

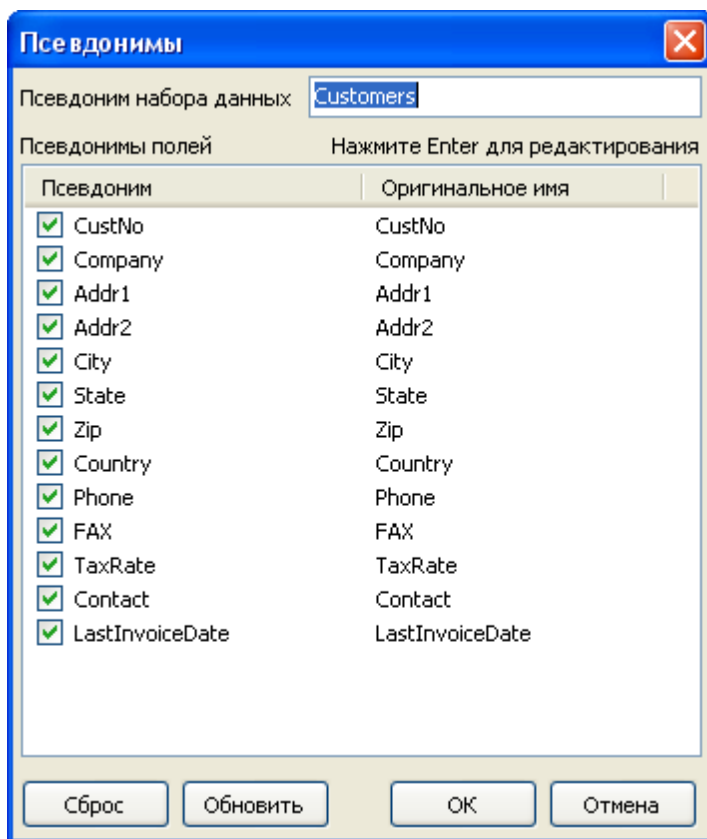
Delphi TADOTable.

Database TableName.

Active := True

Open.

FieldAliases



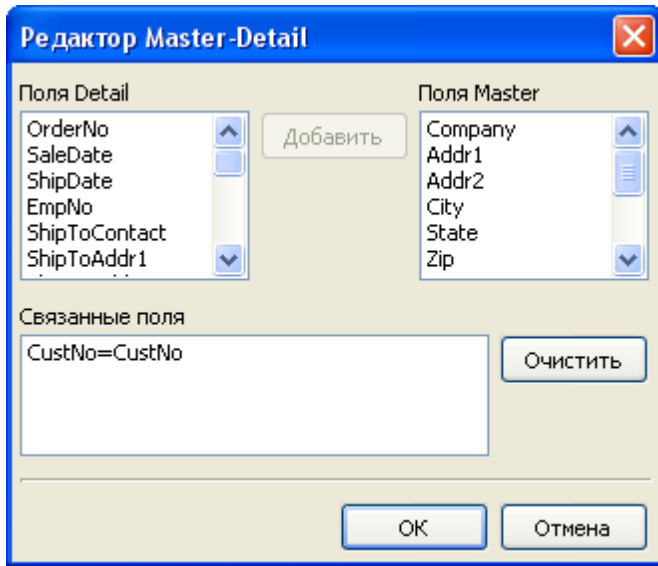
MasterFields

master-detail  
master-detail

Master

MasterFields

IndexName.



master detail  
 Master-Detail,  
 master detail  
 , master  
 (detail ),  
 (master ),  
 " "

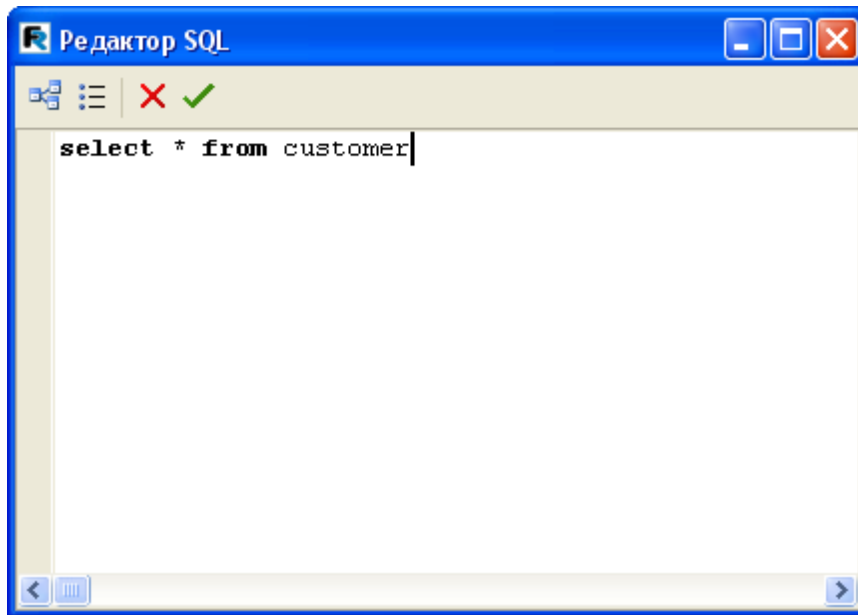
### 14.1.3 TfrxADOQuery

SQL-

Database	( TfrxADODatabase).
FieldAliases	.
Filter	.
Filtered	, .
Master	- .
Params	.
SQL	.

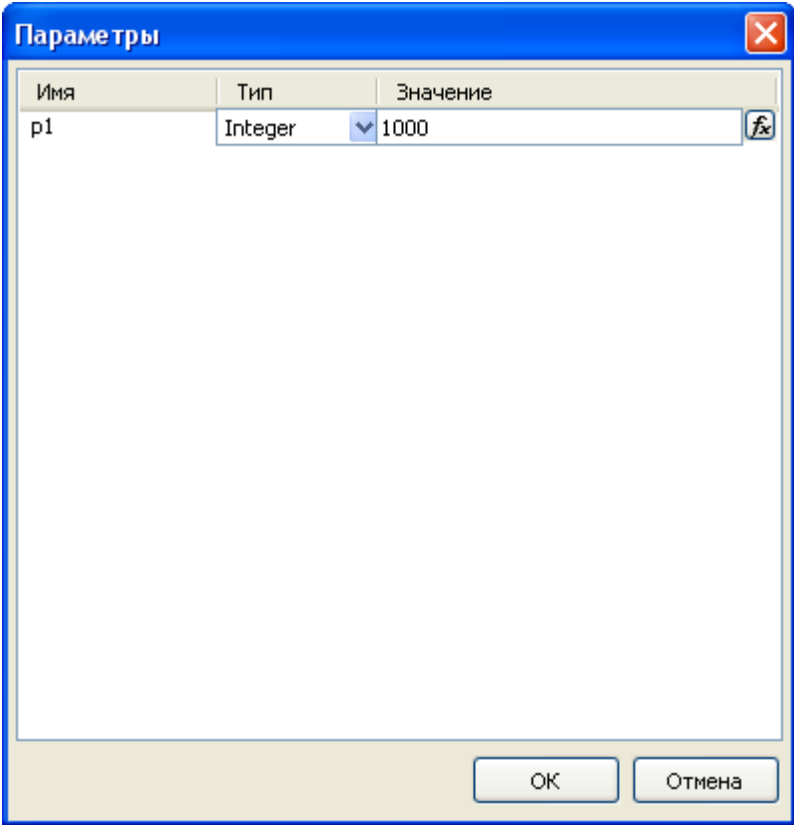
UserName	( ) .
IgnoreDupParams	True,

Database, FieldAliases, Filter, Filtered, Master  
TfrxADOTable. SQL  
SQL-



Params





master-  
(  
,  
, master-  
TfrxADOQuery.Master.  
,  
.

14.1.4 TfrxADODataBase

Delphi TADODConnection.

:

Connected	True,
DatabaseName	.

LoginPrompt	,
-------------	---

```

LoginPrompt
    LoginPrompt = False,

```

## 14.2

```

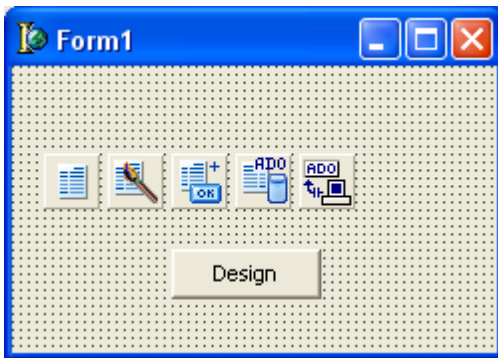
FastReport - {FR}\Demos\Main\demo.mdb.

```

```

Delphi
TfrxReport, TfrxDesigner, TfrxDialogControls, TfrxADOCcomponents,
TADOConnection.

```



```

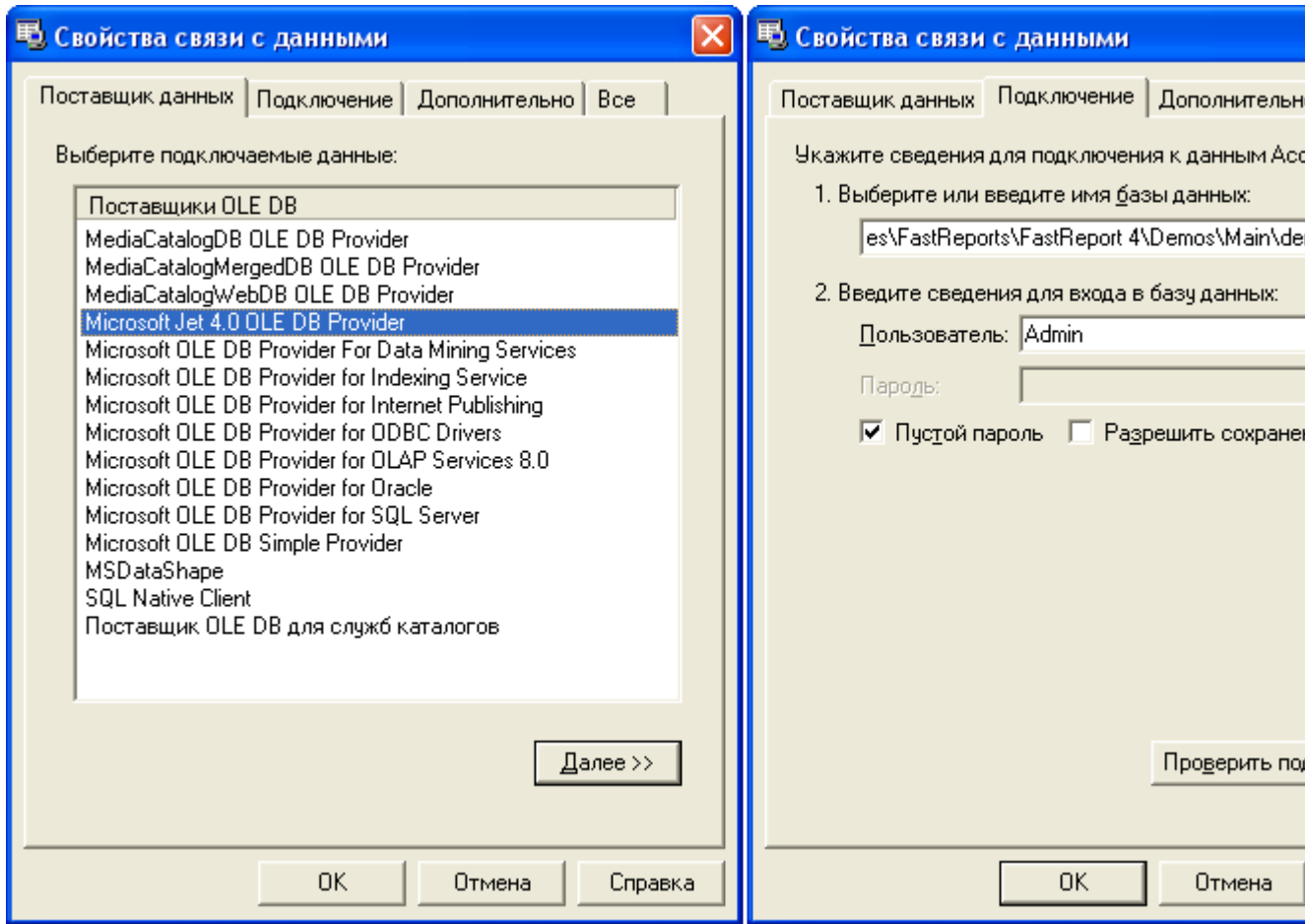
TADOConnection,

```

```

"Build connection string"

```



:

ADODConnection1:  
*LoginPrompt = False*

frxADODComponents1:  
*DefaultDatabase = ADODConnection1*

"Design"

:

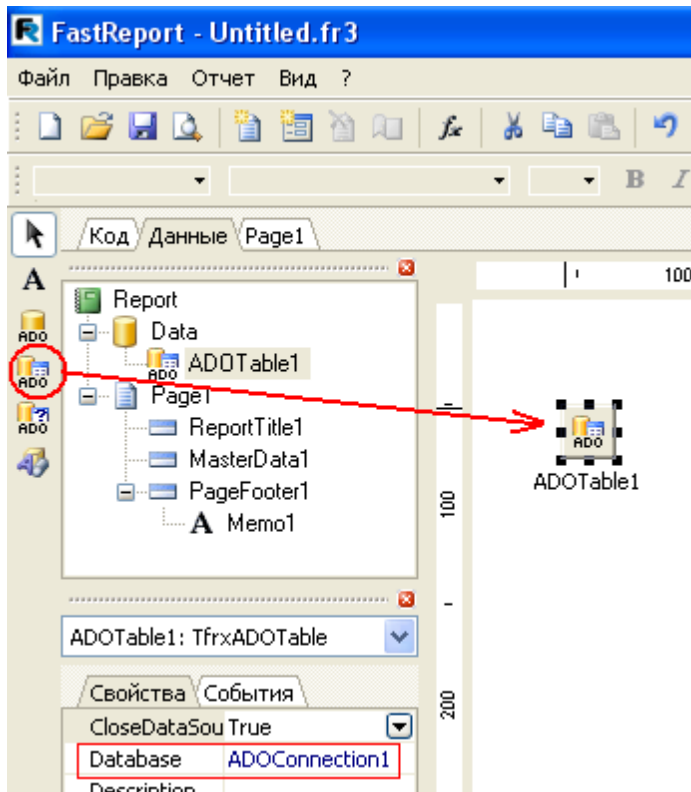
```
procedure TForm1.Button1Click(Sender: TObject);
begin
    frxReport1.DesignReport;
end;
```

end-user

Design

14.3

FastReport  
"Page1".  
" ADO":



Database -

DefaultDatabase

TfrxADOCcomponents.

TableName = 'Customer'

1

<b>ReportTitle:</b> ReportTitle1		
<b>MasterData:</b> MasterData1		
[ADOTable1."Company"]	[ADOTable1."Phone"]	[ADOTable1."FAX"]
<b>PageFooter:</b> PageFooter1		

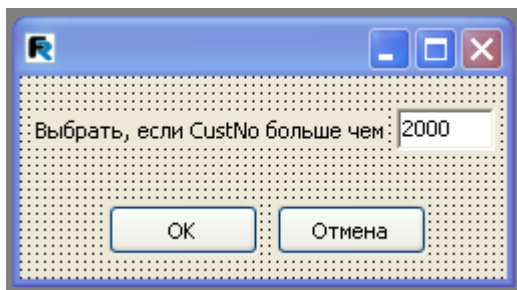


## 14.4

" ADO".

```
select * from Customer where CustNo > :p1
```

Label, Edit, Button:



Label1:

*Caption = ' , CustNo '*

Edit1:

*Text = '2000'*

Button1:

*Caption = 'OK'*

*ModalResult = mrOk*

Button2:

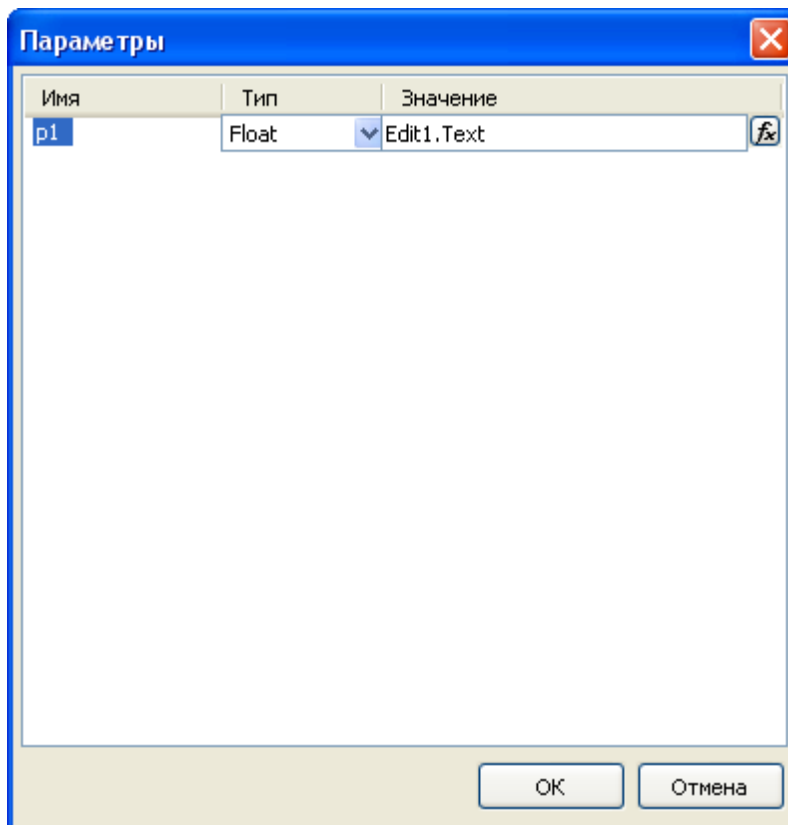
*Caption = ' '*

*ModalResult = mrCancel*

Params

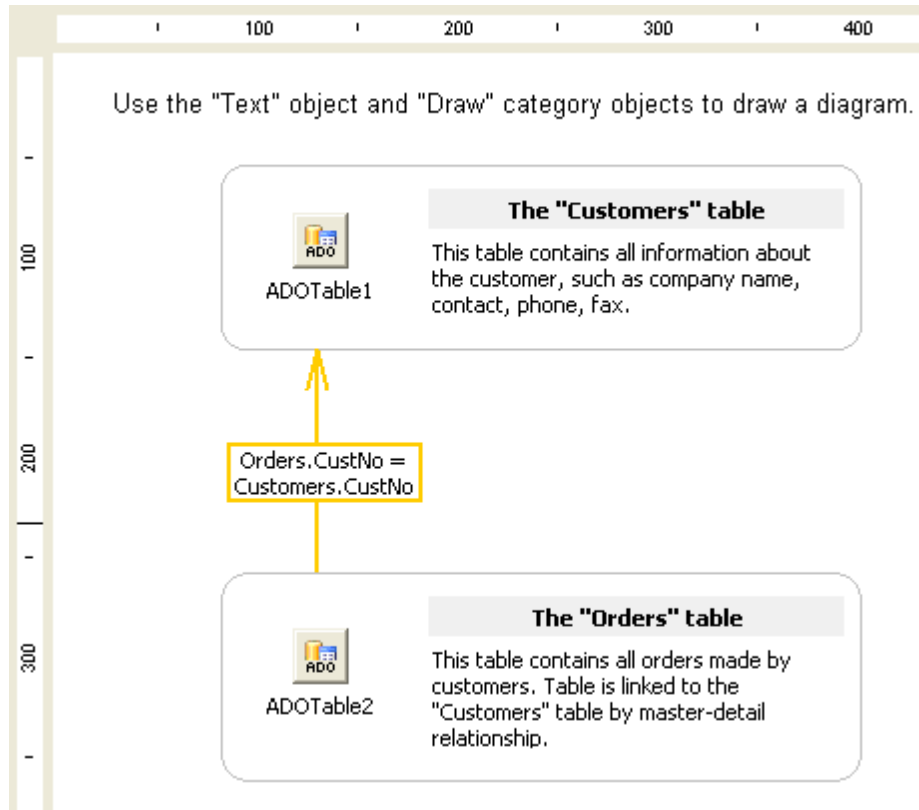
Query

:

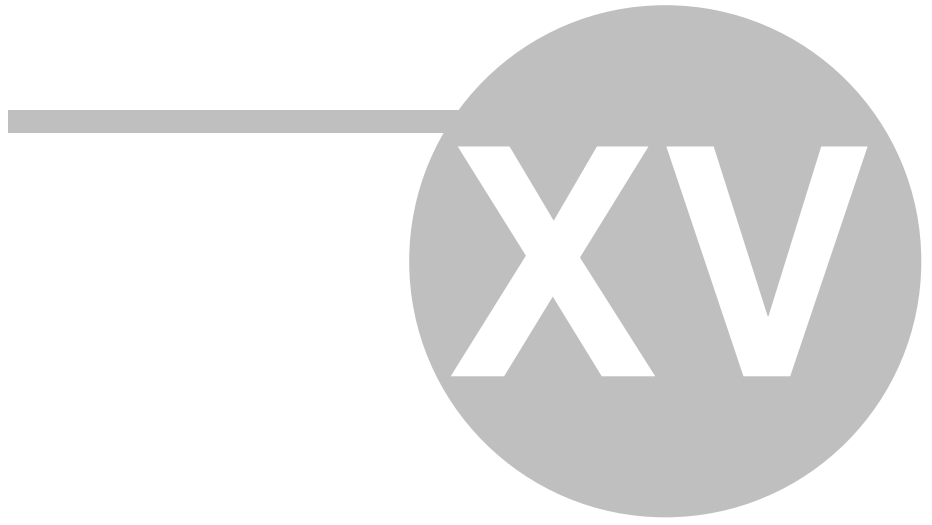


:



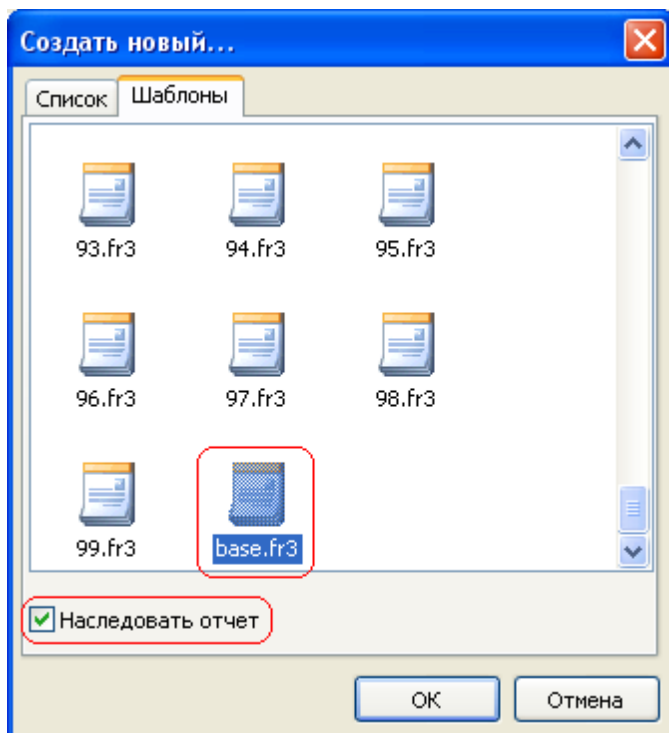




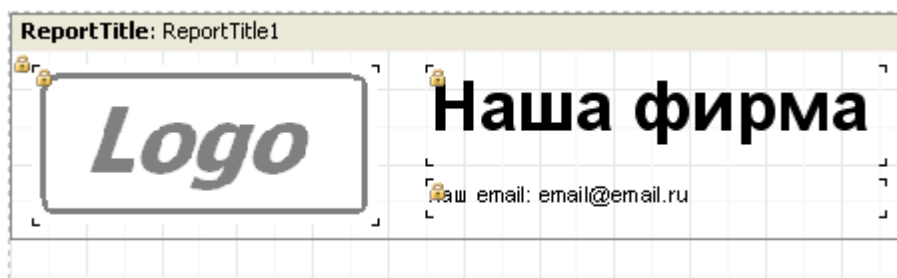










FastReport



ReportTitle: ReportTitle1	
	Наша фирма Наш email: email@email.ru
PageHeader: PageHeader1	
Клиент	Телефон
MasterData: MasterData1	
[Customers."Company"]	[Customers."Phone"]

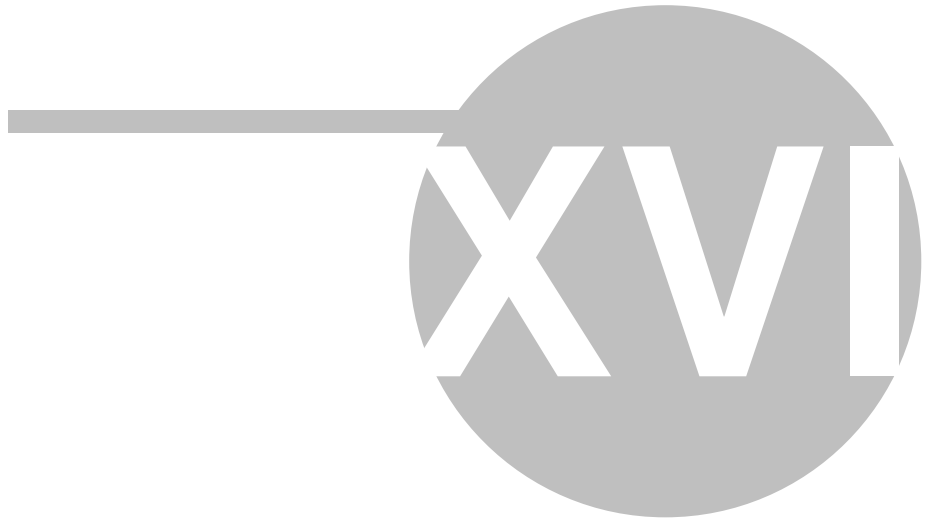
## 15.2

( - base.fr3)  
email:

ReportTitle: ReportTitle1	
	Наша фирма Наш email: new_email@email.ru

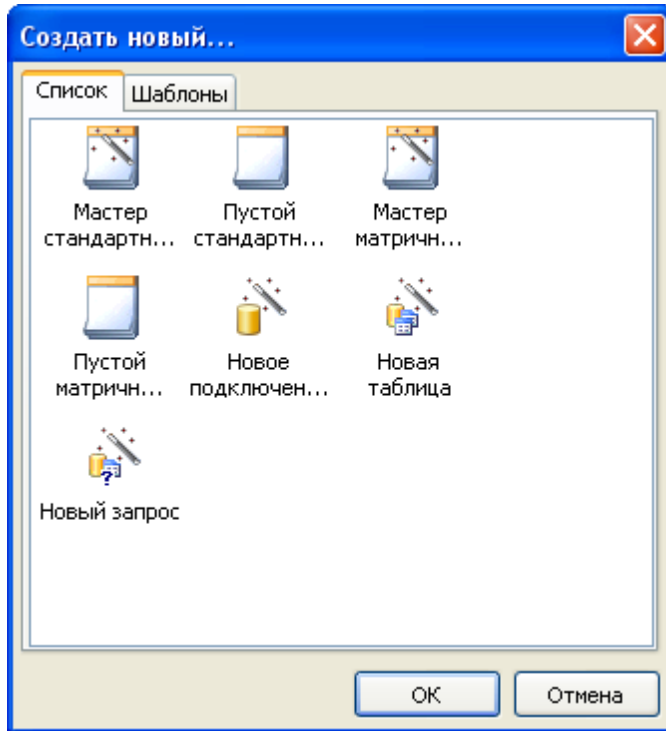








## FastReport



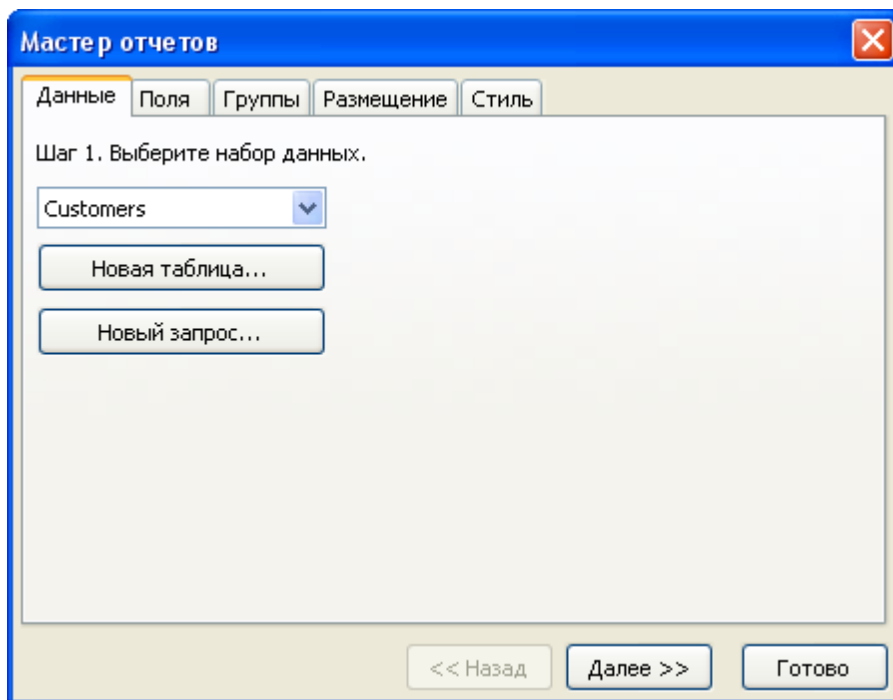
## 16.1

4 :

-  
-  
-  
-

" " " " " "  
( ) , .

" " " " " "  
, , ,  
" " .



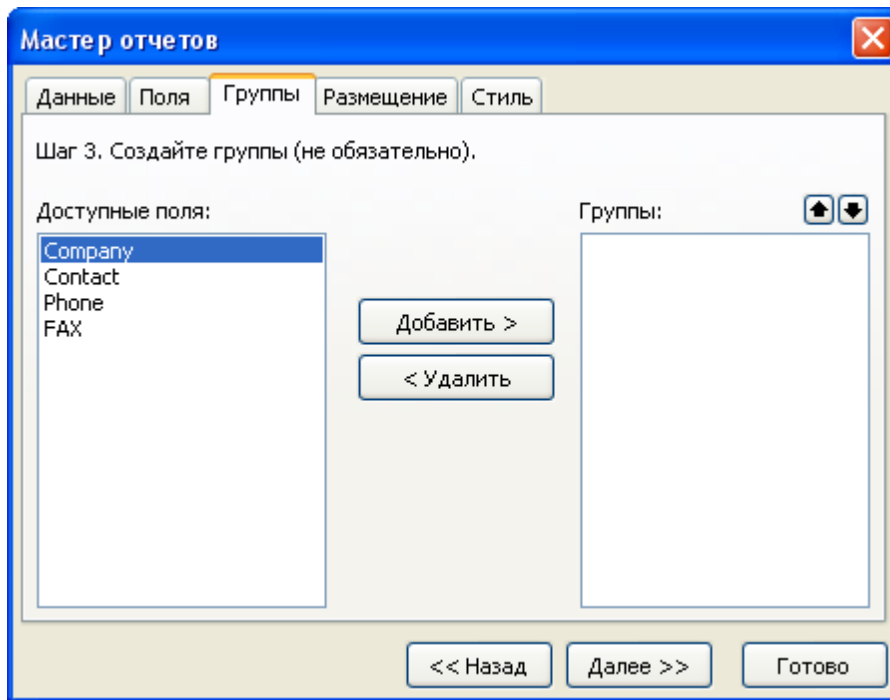
( TfrxDBDataSet).

).

Customers

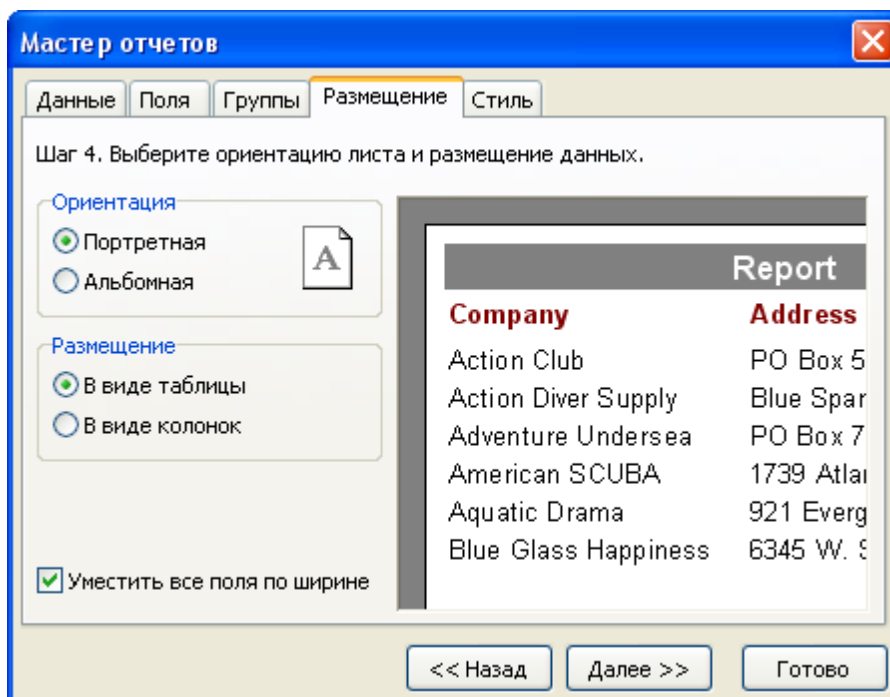
(>>".

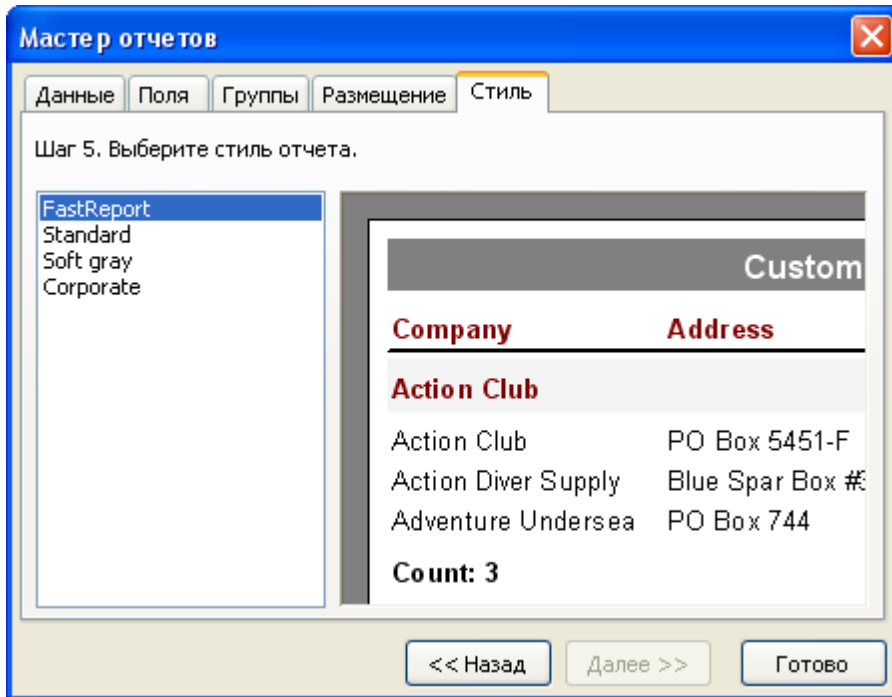




- " >>".

:

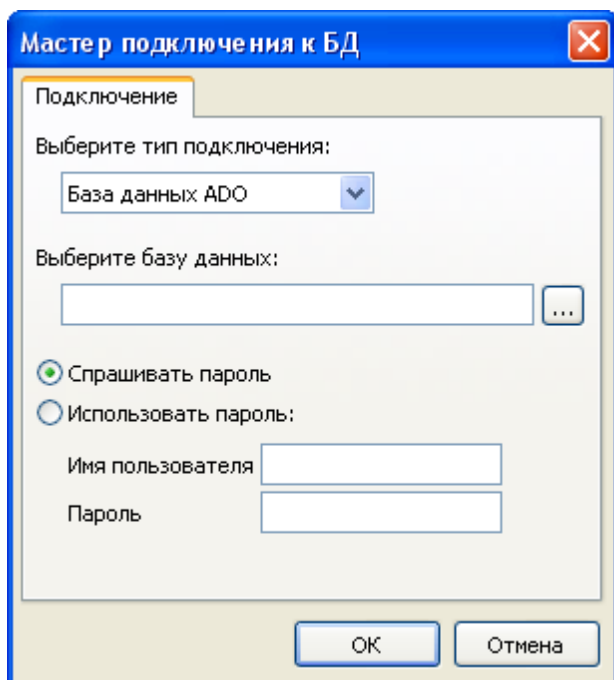




ReportTitle: ReportTitle1			
Report			
PageHeader: PageHeader1			
Company	Contact	Phone	FAX
MasterData: MasterData1			
[Customers."Company"]	[Customers."Contact"]	[Customers."Phon	[Customers."FAX"]
PageFooter: PageFooter1			

## 16.2

" ADO".

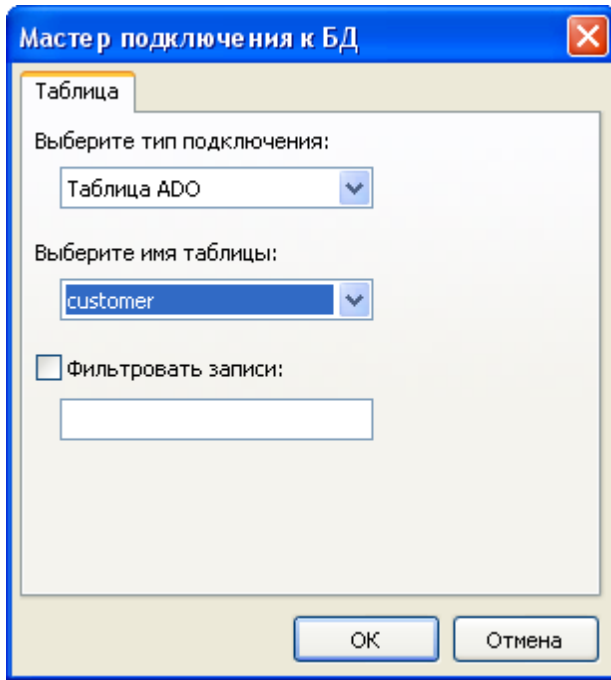


(  
Windows,

" , "

" , ADO".

## 16.3

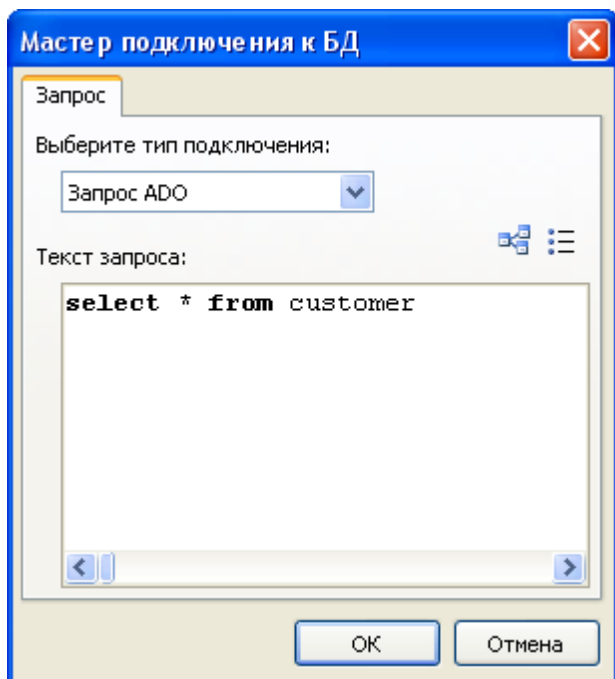


*(CustNo > 2000) and (CustNo < 3000)*

" " " 'ADO".

## 16.4

- SQL.



SQL

,



" "

" ADO".

## 16.5

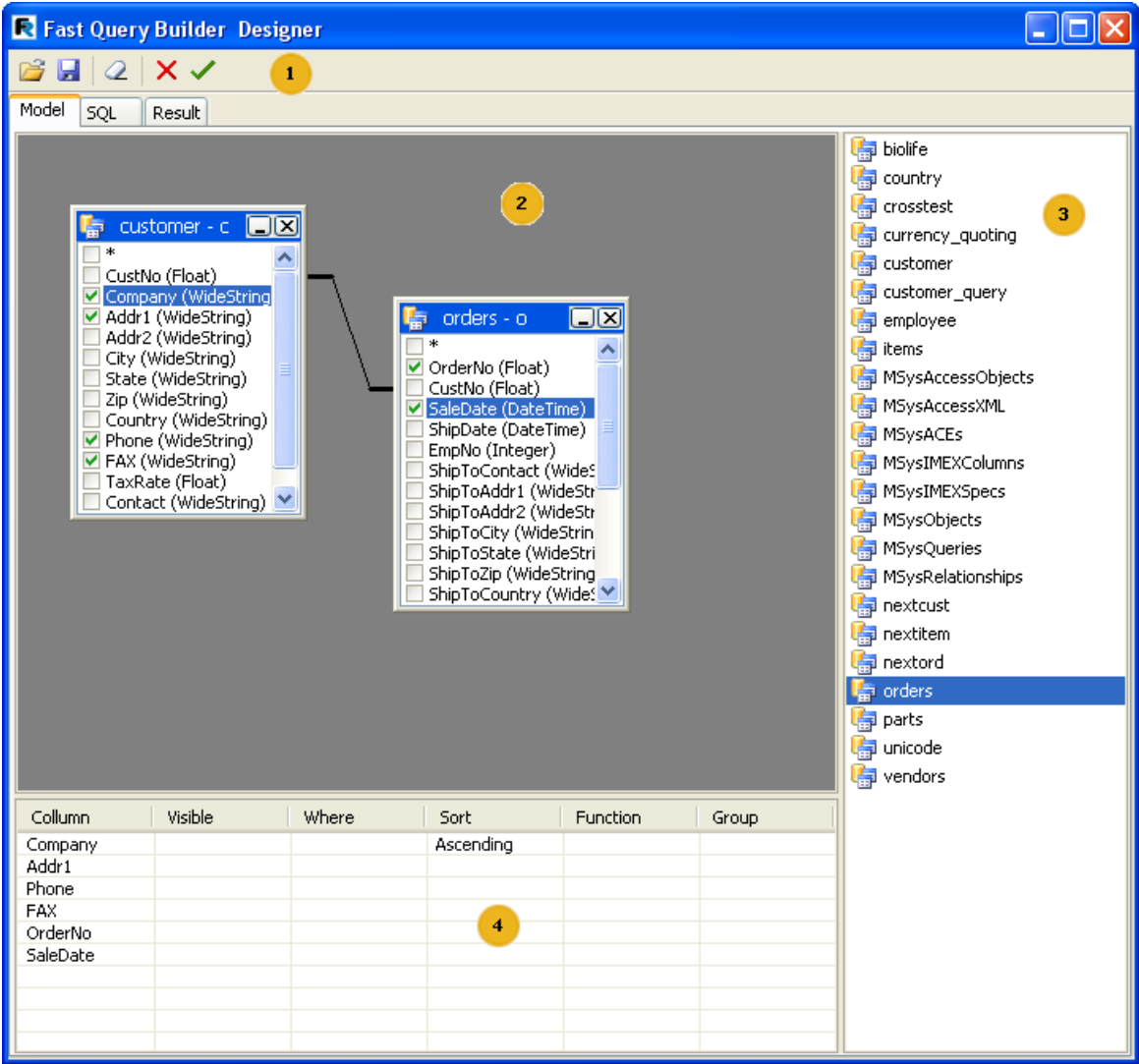
FastReport ( Professional, Enterprise)  
( FastQueryBuilder,

).

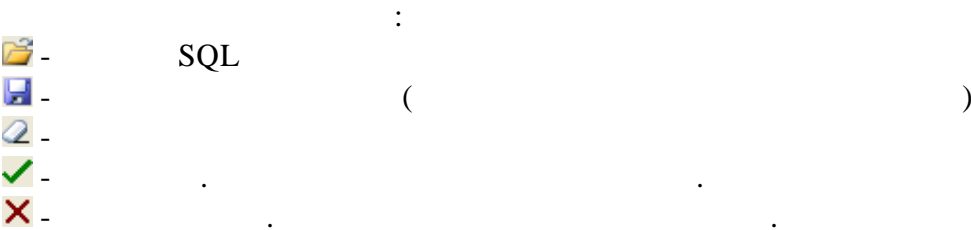
SQL.

:

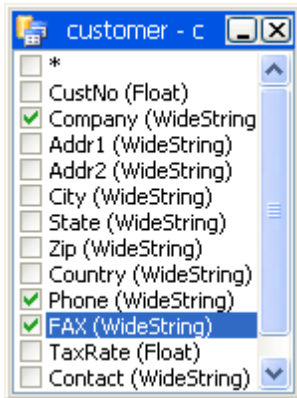




- 1 -
- 2 -
- 3 -
- 4 -



Drag&Drop, . . .

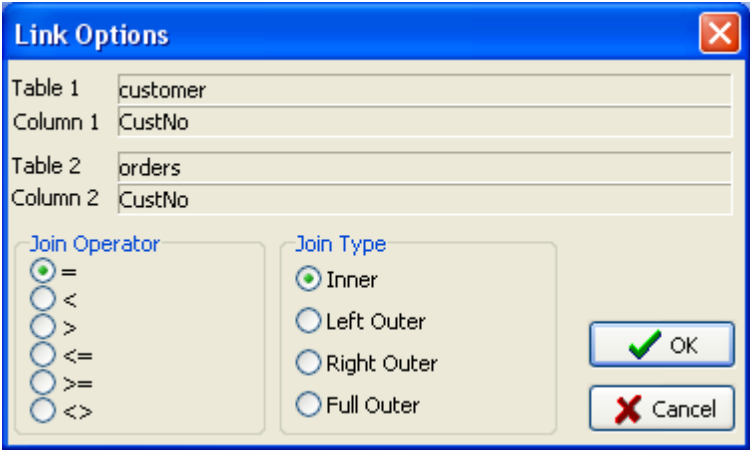


Column	Visible	Where	Sort	Function	Group
Company	<input type="checkbox"/>				
Phone	<input type="checkbox"/>		No		
FAX	<input checked="" type="checkbox"/>		Ascending		
OrderNo	<input type="checkbox"/>		Descending		
SaleDate	<input type="checkbox"/>				

- Visibility - , select
- Where - , '> 5'
- Sort - ,
- Function - ,
- Group - ,

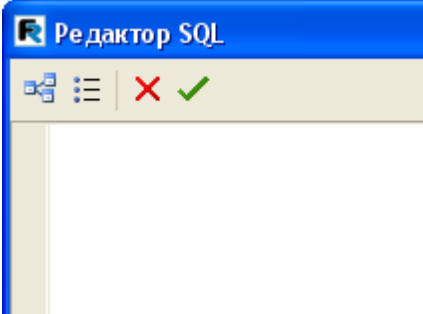
(join).

Link options.

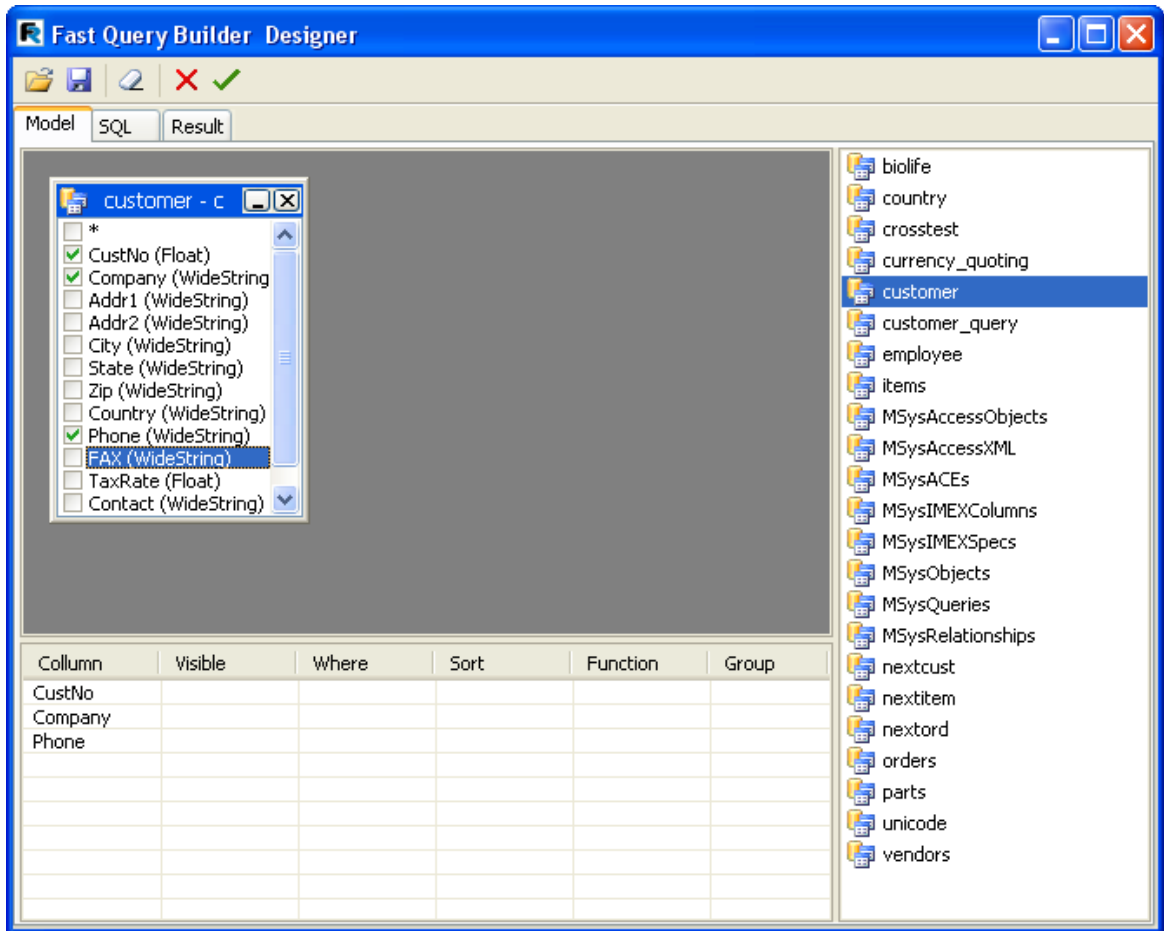


16.5.1

ADO".

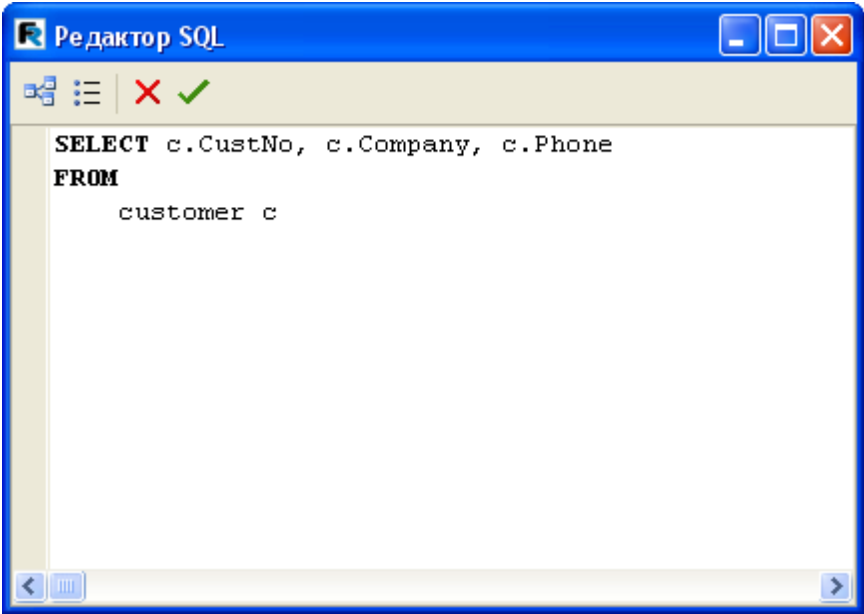


Customer  
( CustNo, Company, Phone: )



SQL,

Result



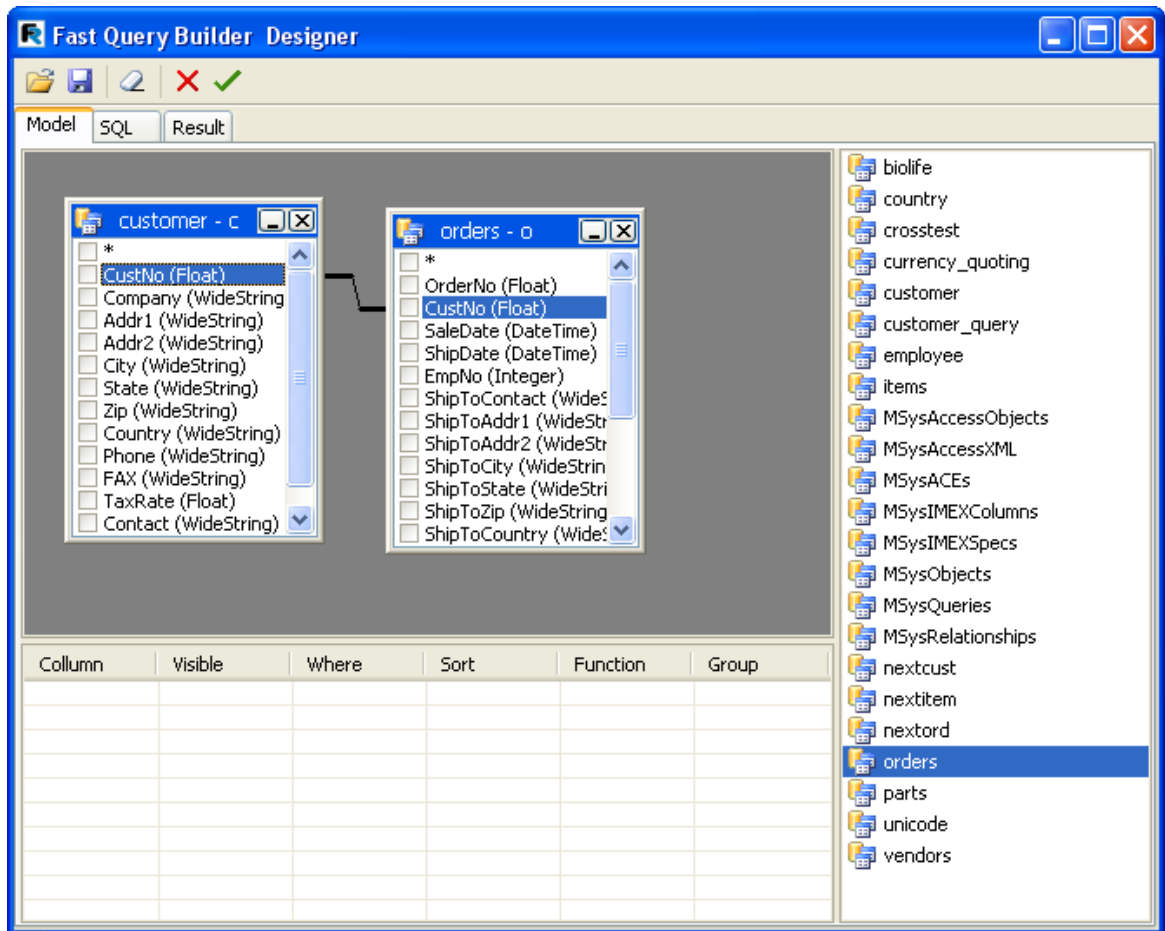
( ! , )

1 "

16.5.2

62). SQL, CustNo ADO". Customers Orders.

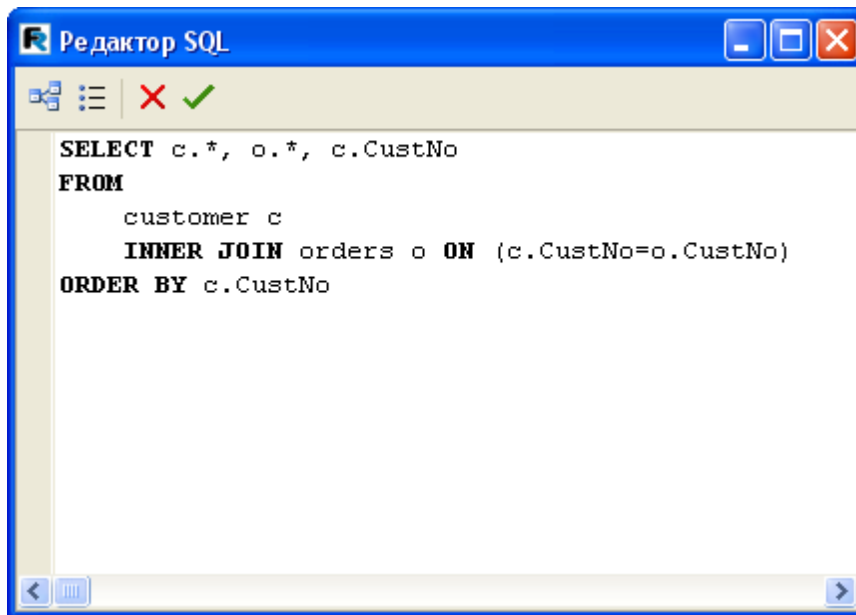
CustNo,  
CustNo



CustNo.  
CustNo Customer.

"\*" ,  
CustNo:

Column	Visible	Where	Sort	Function	Group
*					
*					
CustNo	<input type="checkbox"/>		Ascending		



The image shows a screenshot of a software window titled "Редактор SQL" (SQL Editor). The window has a blue title bar with standard Windows window controls (minimize, maximize, close). Below the title bar is a toolbar with icons for file operations and a red 'X' and green checkmark. The main area of the window contains the following SQL query:

```
SELECT c.*, o.*, c.CustNo
FROM
    customer c
    INNER JOIN orders o ON (c.CustNo=o.CustNo)
ORDER BY c.CustNo
```

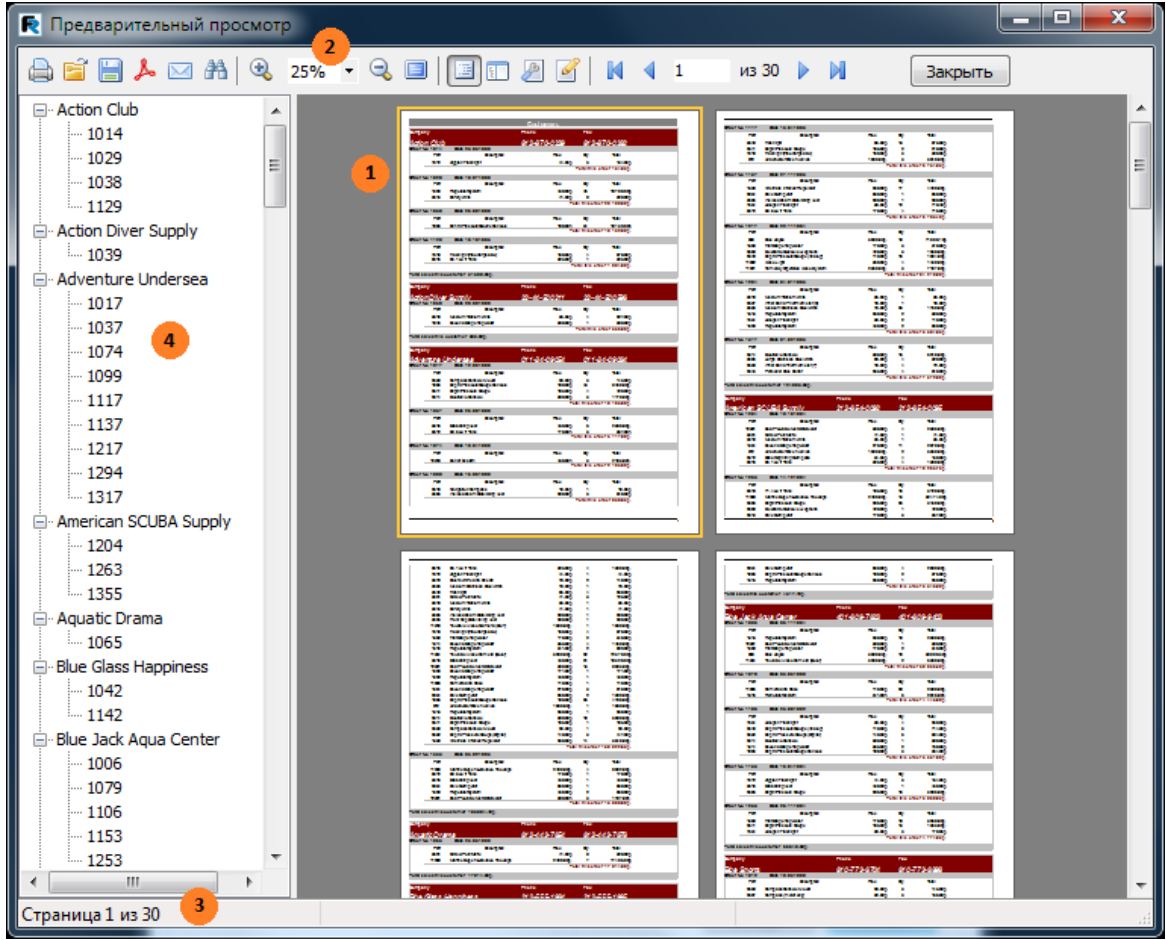
At the bottom of the window, there are navigation icons: a left arrow, a list icon, and a right arrow.



,


















,





- 1 – ;
- 2 – ;
- 3 – ;
- 4 – ( ),



		– Ctrl+P.
		(* .fp3).
		(* .fp3),
	PDF	Adobe Acrobat (*.pdf).
		,
		Ctrl+F.
		
100% ▾		
		
		
		
		
		
		
		
		
1		Enter.
		
		

--	--	--

### 17.1

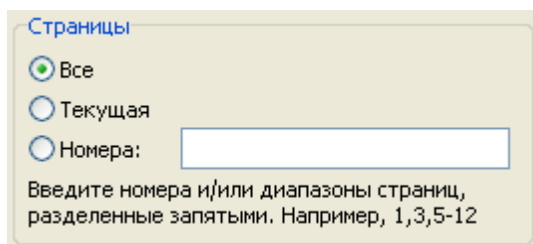
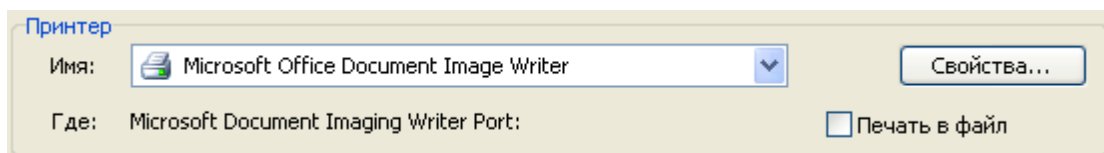
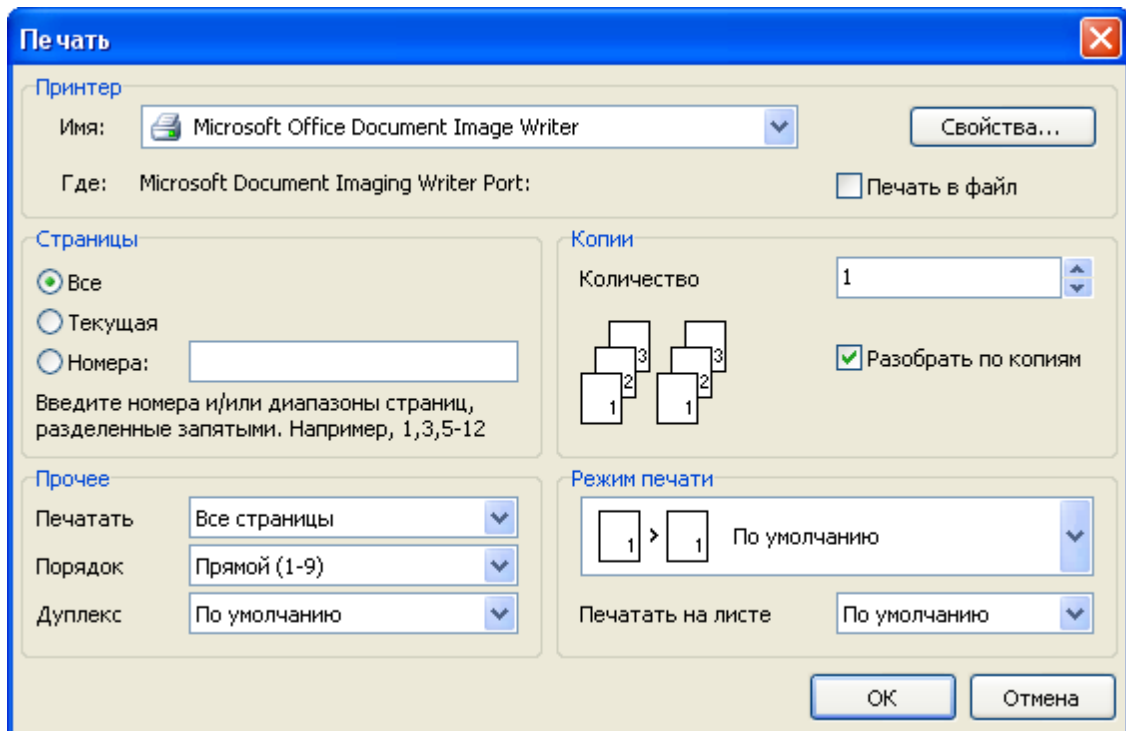
Ctrl+S	*.fp3.
Ctrl+P	.
Ctrl+F	.
F3	.
	.
PageUp, PageDown	/ .
Ctrl+PageUp, PageDown	/ .
Home	.
End	.

### 17.2

	( ); « » ( ); « » -
	; « » -
	-
	.

## 17.3

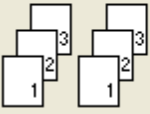
Ctrl+P).



" " :  
(" " ):

**Копии**

Количество



Разобрать по копиям

" " :  
( , , ), ( " " - ( ,  
)  
).

**Прочее**

Печатать

Порядок

Дуплекс

, " "

**Режим печати**

>  По умолчанию

Печатать на листе

>  По умолчанию

>  /  Разрезать большие страницы

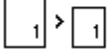
3

4.

, " "

 Объединять маленькие страницы

4 3.

 Масштабировать

( )

»,

( \*.pm,

).

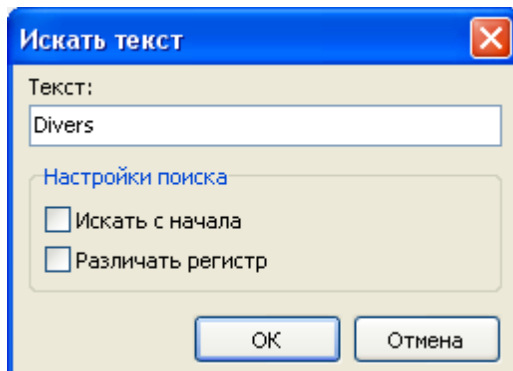
## 17.4

FastReport

Ctrl+F).



(  
:



;

( )

:

Blue Sports Club	(
Catamaran Dive Club	
Cayman Divers World Unlimited	
Central Underwater Supplies	

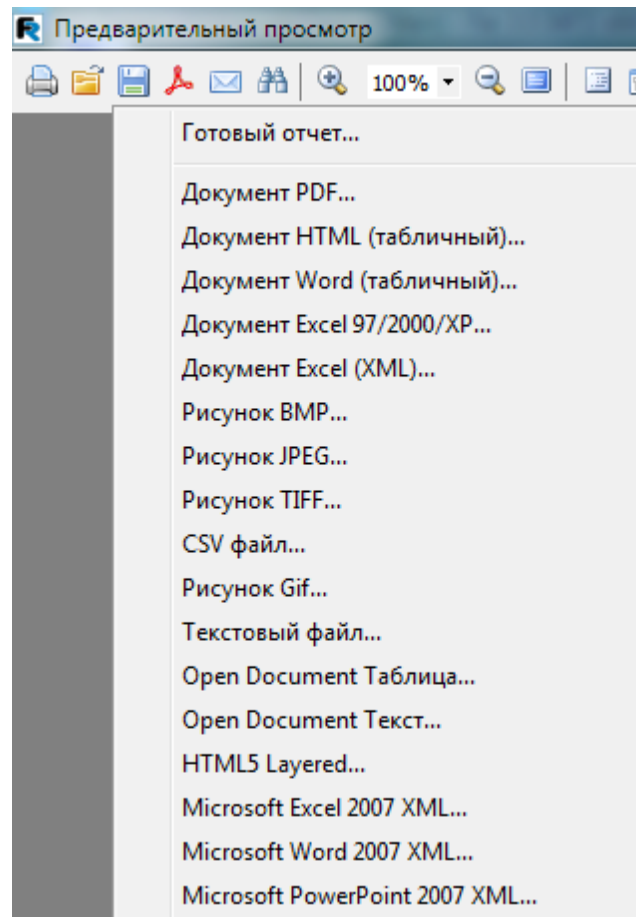
F3.

### 17.5

FastReport

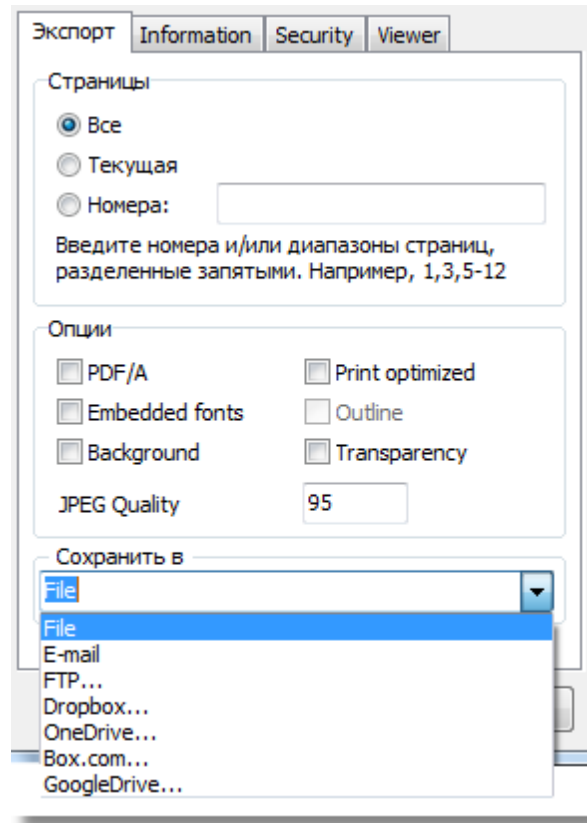
- ;
- ;
- FTP;
- Dropbox;
- OneDrive;
- Google Drive;
- Box.com.

" " ( ".fp3), "



( , " PDF" ) , " " " :





## 17.5.1

FastReport

e-mail

Отослать по E-mail

Е-mail Ящик

Письмо

Автор John Smith

Адрес john@hotmail.com

Организация

Подпись --

Собрать

С уважением,  
John Smith  
mailto: john@hotmail.com

Подключение

Сервер smtp.hotmail.com Порт 25

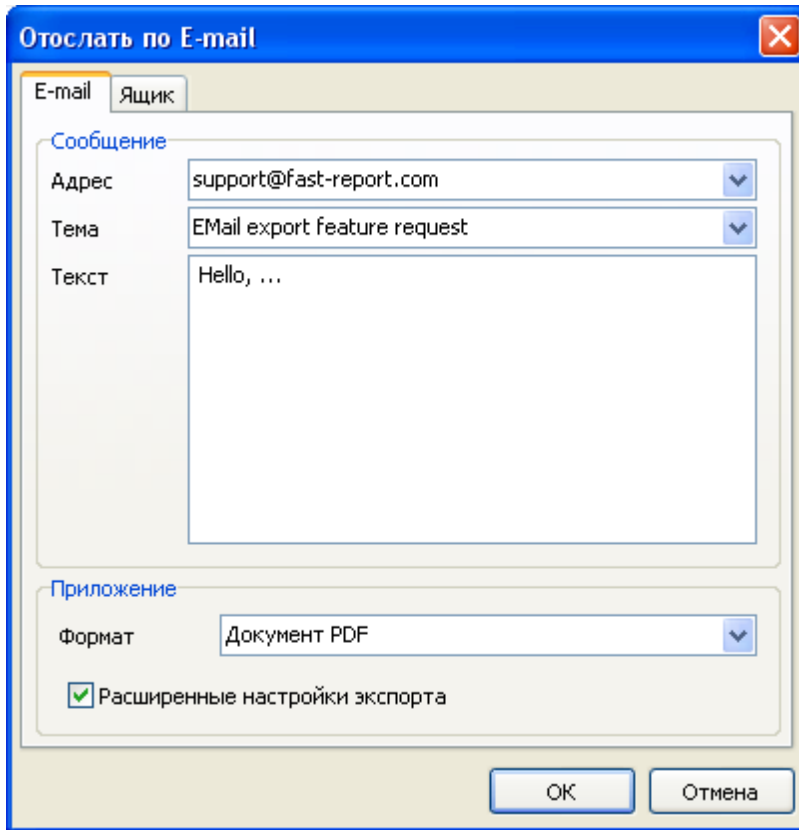
Имя john Пароль \*\*\*\*\*

Запомнить настройки

OK Отмена

- ;  
 - ;  
 - ;  
 - " " ,  
 ;  
 - SMTP ;  
 - SMTP ;  
 - SMTP ,  
 - SMTP ;  
 - ;  
 - ) , (

«E-mail»:



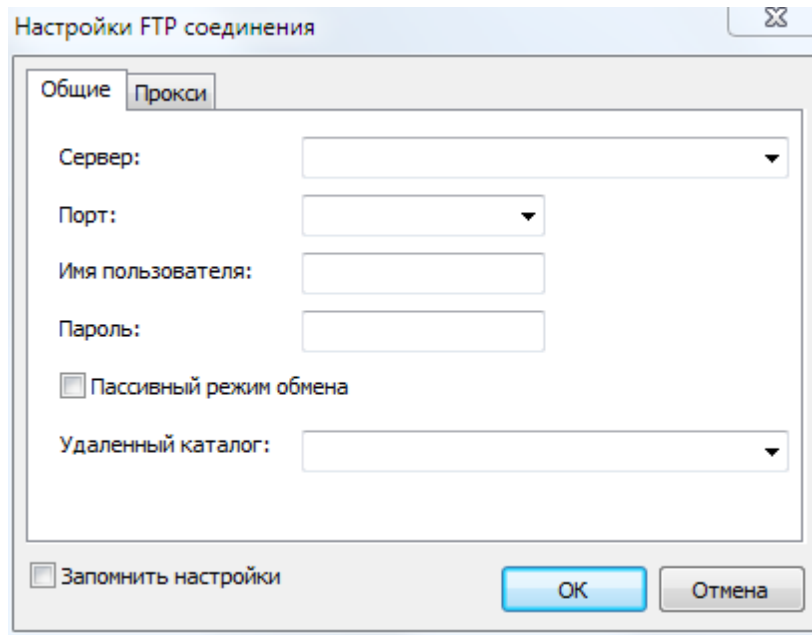
- - ; ,  
 - - ; ,  
 - - ;  
 - - ,  
 ,  
 FastReport (.FP3);  
 - - ,  
 «OK»  
 , .  
 e-mail: plain  
 SMTP , - « »  
 « » .

## 17.5.2

## FTP

FTP

:



" " : URL- FTP ,

- .

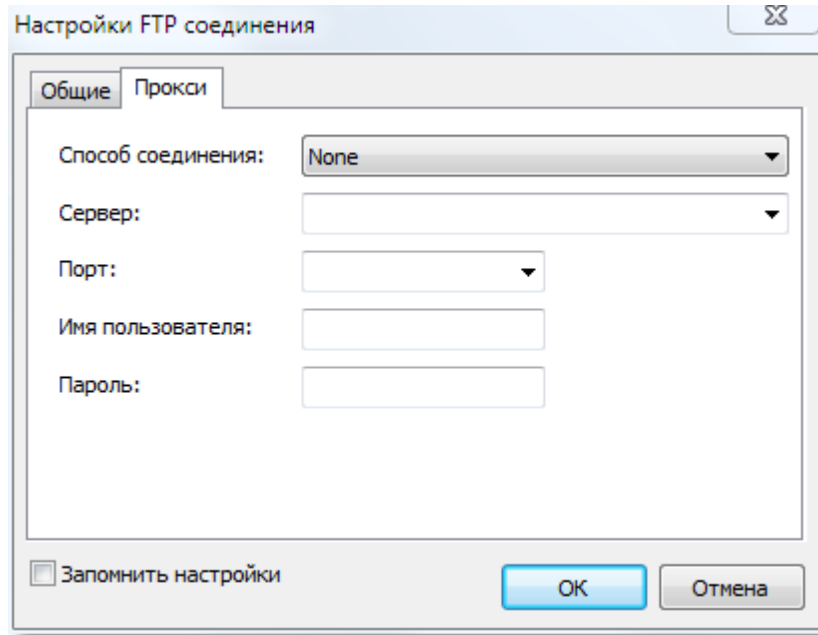
- .

- . FTP-

- . ( FTP- ) .

- . URL-

, , :



" . OK  
FTP.

### 17.5.3 Dropbox

Dropbox . Dropbox

Dropbox  
: .  
- " (More)". Dropbox.  
- " (Developers)".  
- "App Console".  
- "Create App". Dropbox E-mail.  
"Send Email".

" .  
"Create a new Dropbox Platform app".  
"Dropbox API app" "What type of data does your app need to store on  
Dropbox?" "Files and datastores". "Can your app be limited to its  
own, private folder?"  
(  
) . "Create app"  
"App

key" "App secret",

Dropbox.

Dropbox

:

Настройки Dropbox соединения

Общие Прокси

Ключ приложения

Удаленный каталог:

Передать логин/пароль в браузер (небезопасно)

Имя пользователя:

Пароль:

Запомнить настройки

OK Отмена

, , : " "

URL-

Настройки Dropbox соединения

Общие Прокси

Обозреватель

Сервер:

Порт:

Имя пользователя:

Пароль:

Запомнить настройки

OK Отмена

" ,

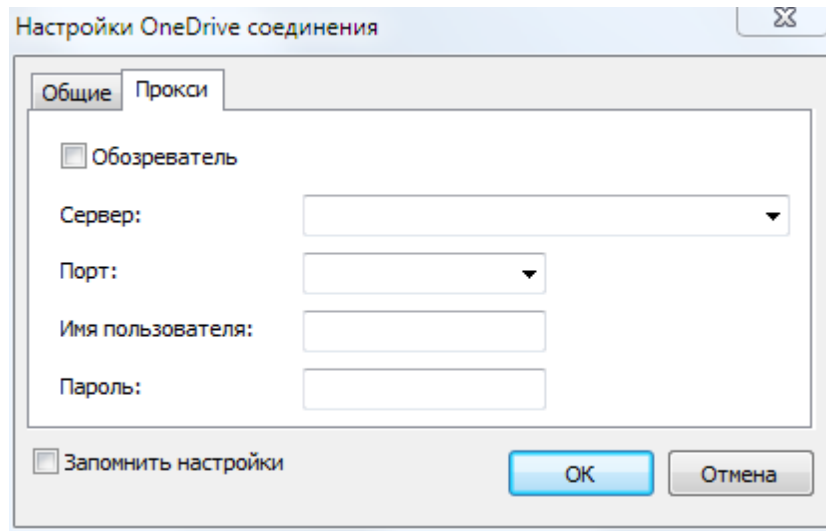
."

OK

Dropbox.

Dropbox.





" : OK ,  
OneDrive.  
OneDrive.

## 17.5.5

### Google Drive

GoogleDrive. <https://code.google.com/apis/console>

"Services" Drive API. "API Access"

"Create an OAuth 2.0 client ID". "Branding Information"

Next. "Client ID Settings" :

- "Installed application" Application type.

- "Other" Installed application type.

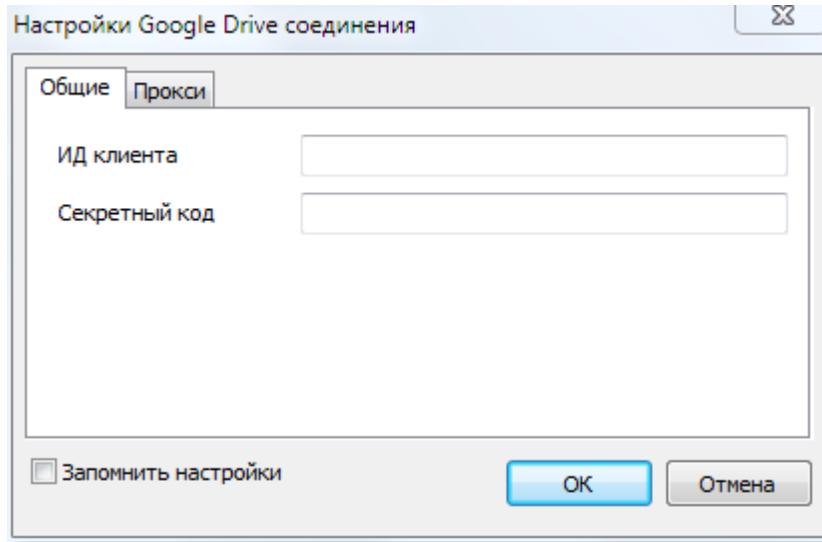
"Create Client ID".

"API Access page" "Client ID for installed applications", Client ID Client secret.

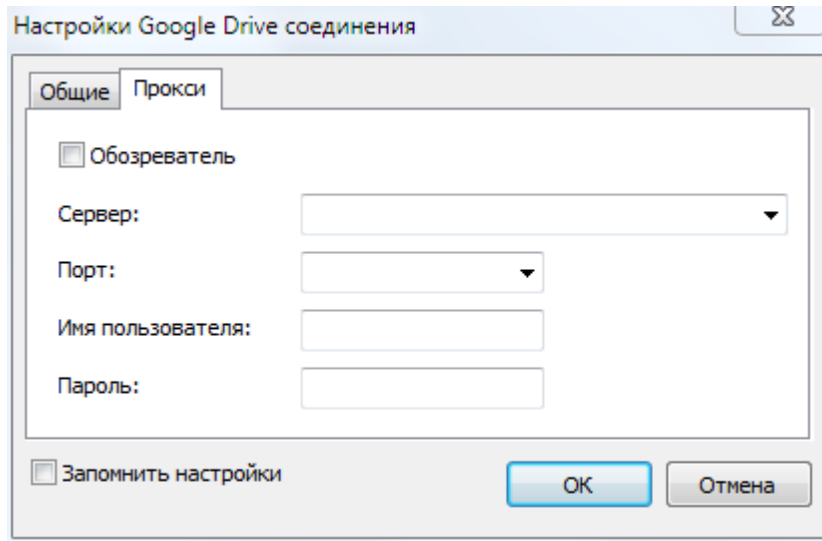
Google Drive

:





URL-



Google Drive.

OK

### 17.5.6

### Box.com

Box.com

Настройки Vox.com соединения

Общие Прокси

ИД клиента

Секретный код

Запомнить настройки

OK Отмена

(Client ID)

(Client secret).

“ ”

“ ”

“ ”

URL-

Настройки Vox.com соединения

Общие Прокси

Обозреватель

Сервер:

Порт:

Имя пользователя:

Пароль:

Запомнить настройки

OK Отмена

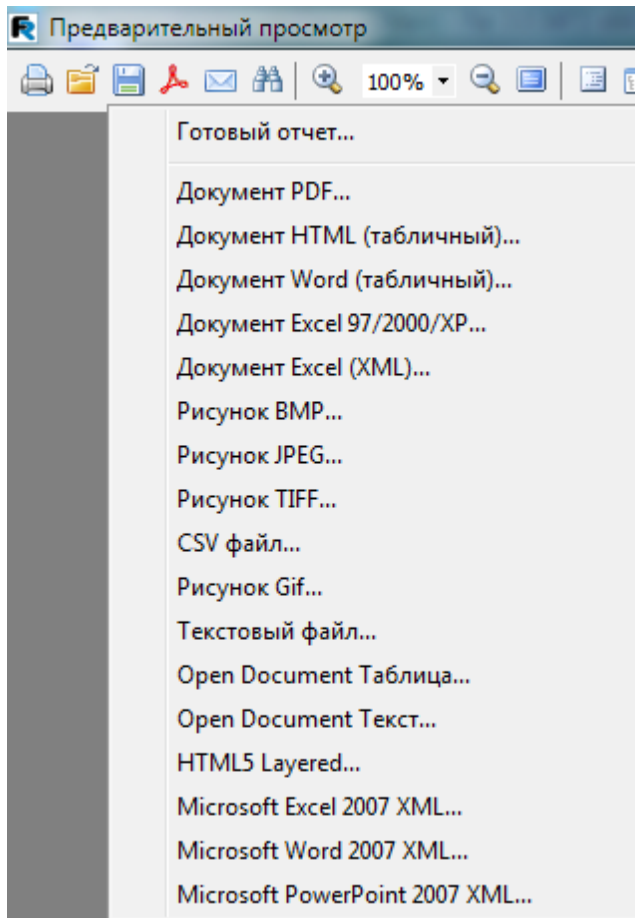
Box.com.

OK

## 17.6

## FastReport

: PDF,  
HTML, Excel, Excel 2007, Excel XML, RTF, Word 2007, PowerPoint 2007, text, ODS,  
ODT, CSV, BMP, Jpeg, Tiff, Gif. " "



FastReport

3

:

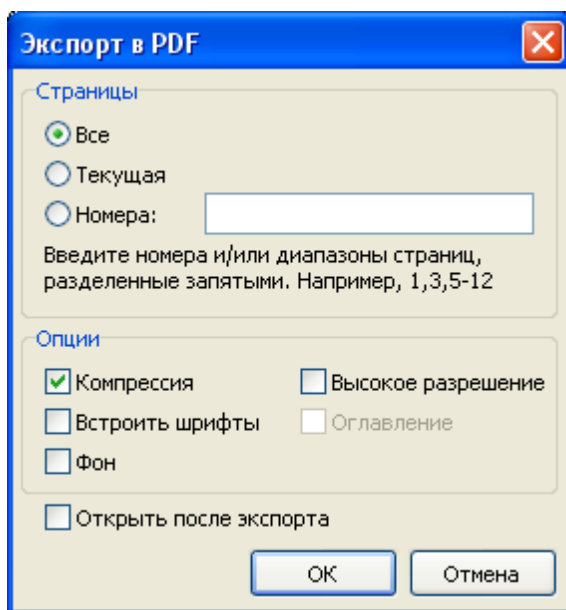
- — , ;  
- — ,  
) «  
»);

## 17.6.1

## PDF

PDF (Portable Document Format) – Adobe Systems.  
Acrobat Reader.

## PDF



PDF

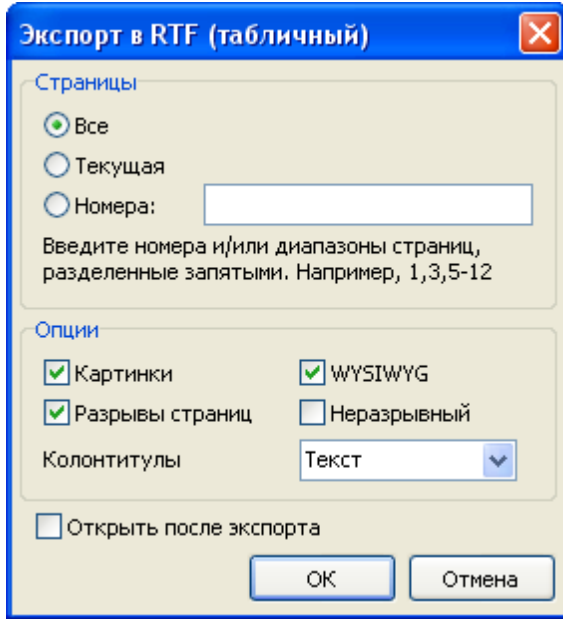
PDF,

;  
 - ;  
 ;  
 - ;  
 - ;  
 - PDF  
 ( , Adobe Acrobat Reader).  
 : RichText

## 17.6.2 Open Document

OpenDocument Format (ODF, OASIS Open Document Format for  
 Office Application — ) —  
 , ( ,  
 ), , ,  
 OASIS XML- , OpenOffice.org. 1 2006  
 ISO/IEC 26300.  
 FastReport ( .ods)  
 ( .odt) OpenDocumet.  
 OpenOffice.



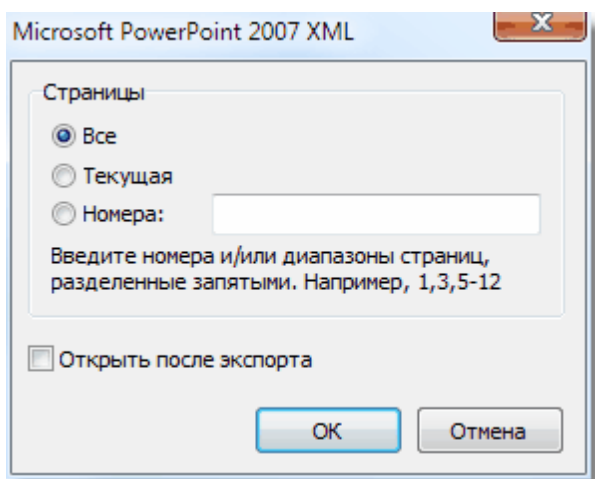


:  
 - ;  
 - RTF ;  
 - WYSIWYG - ,  
 ;  
 - ( ,  
 ) ,  
 ;  
 - : -  
 ( : - ) -  
 ;  
 - RTF ,  
 ( , Microsoft WordPad).  
 : RichText  
 RTF, ( )  
 « »);

**17.6.4****Word 2007**

Word 2007 –  
Microsoft Office 2007.

Word 2007  
:



:

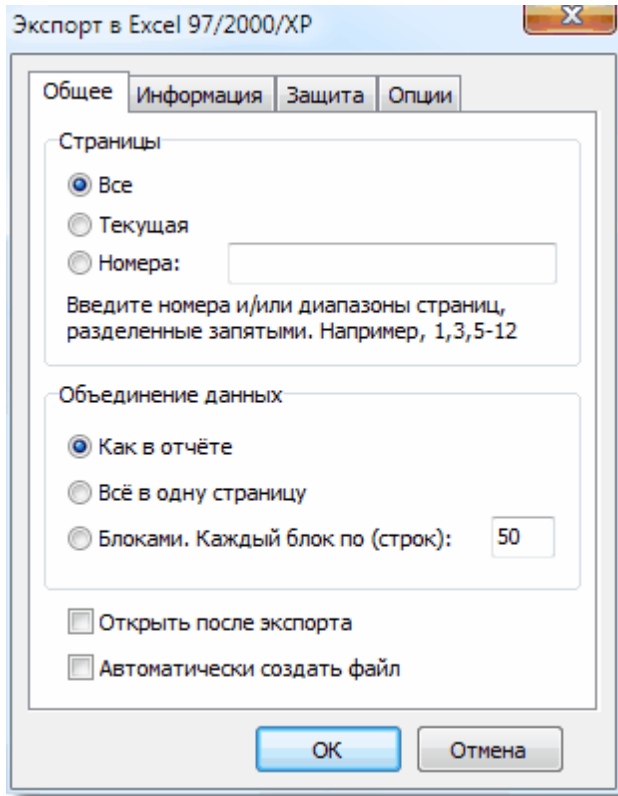
Word

**17.6.5****Excel 97/2000/XP**

Excel –  
Microsoft Office System.

Excel





- Excel;

- ( Excel,

- ); ( )- Excel

- WYSIWYG –

- ; Excel;

- ; "=""

Excel;

- Excel -  
Excel;

- xls.

: RichText

### 17.6.6

### Excel XML

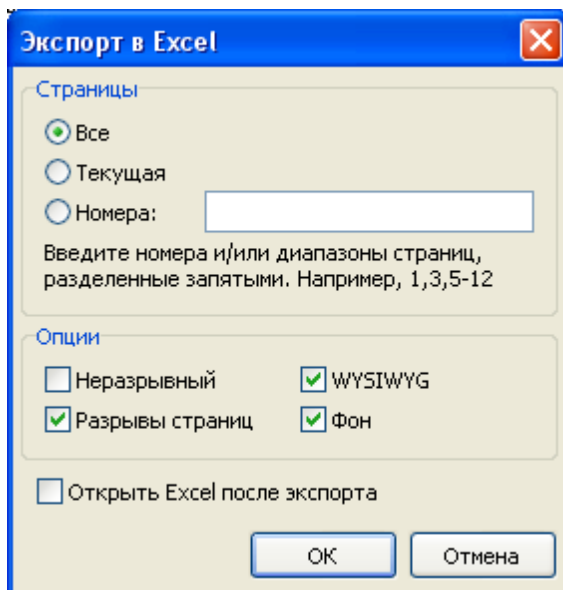
XML (Extensible Markup Language) -

. XML

. FastReport  
Excel 2003

. XML

Excel XML



:

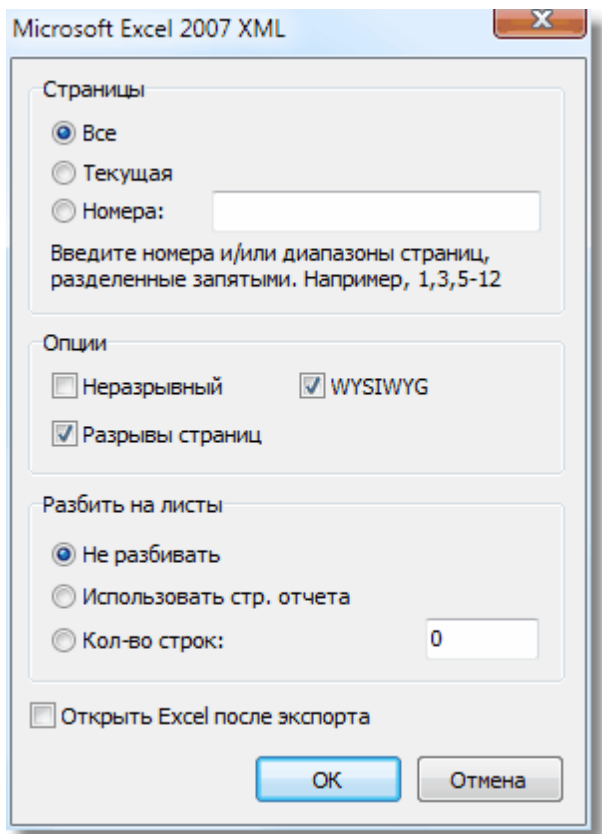
- -

(

),  
;  
- WYSIWYG -  
;  
- Excel  
Excel.  
: RichText

**17.6.7 Excel 2007**

Excel 2007 -  
Microsoft Office 2007.  
-  
Excel  
:

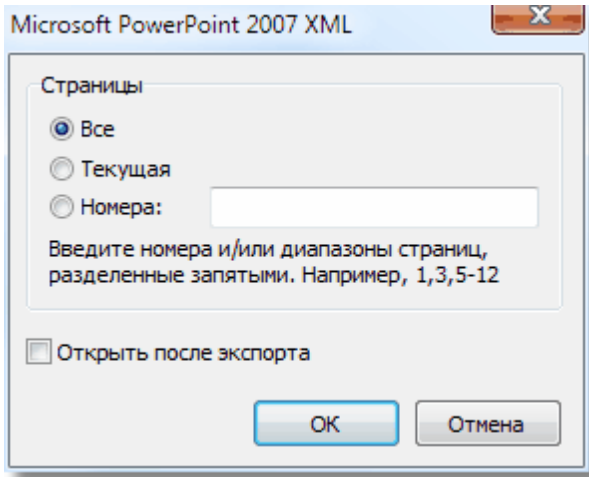


:  
 - - - - -  
 - - - - - ( - - - - -  
 - - - - - ), - - - - -  
 - - - - - ; - - - - -  
 - - - - - ;  
 - WYSIWYG - - - - -  
 - - - - - ;  
 - Excel - - - - - Excel  
 - - - - -  
 - - - - - :  
 - - - - - Excel;  
 - - - - -  
 - - - - - Excel;  
 - - - - - Excel

## 17.6.8 PowerPoint 2007

PowerPoint 2007 –  
Microsoft Office 2007.

PowerPoint 2007

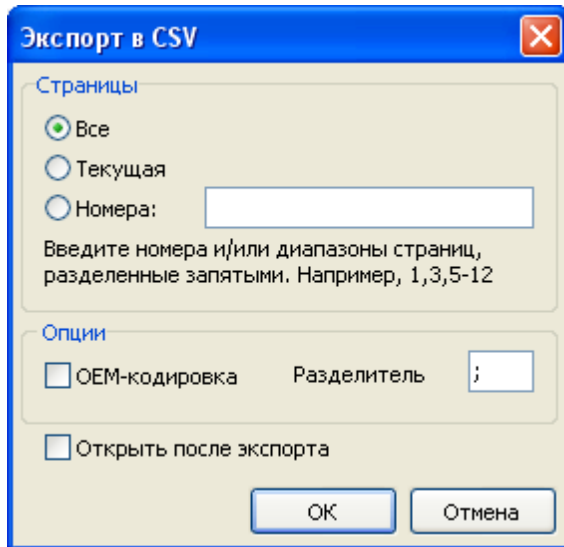


PowerPoint

## 17.6.9 CSV

CSV-

CSV



:  
 - OEM - OEM ;  
 - - ;  
 - - CSV ,  
 .  
 :  
 , .

### 17.6.10

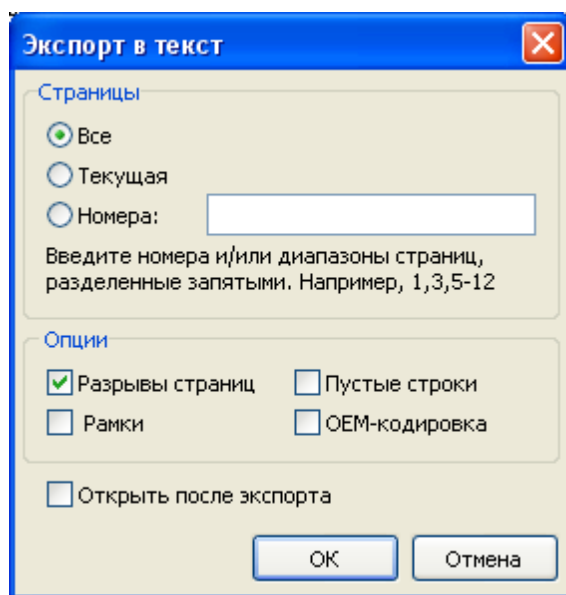
### HTML

HTML (Hypertext Markup Language) –  
Internet. HTML

,  
 , HTML .  
 -  
 HTML .



## 17.6.11





## 17.6.12

## Jpeg, BMP, Gif, Tiff

FastReport

- JPEG (Joint Photographic Experts Group) –

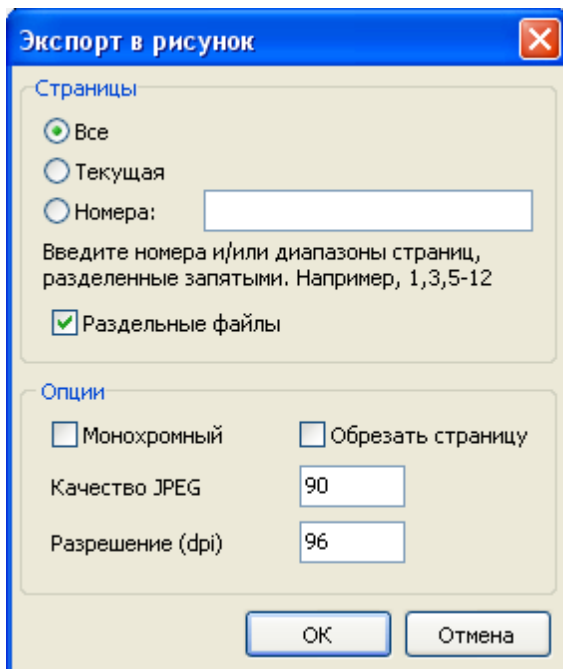
- BMP (Windows Device Independent Bitmap) –

Windows.  
Windows.

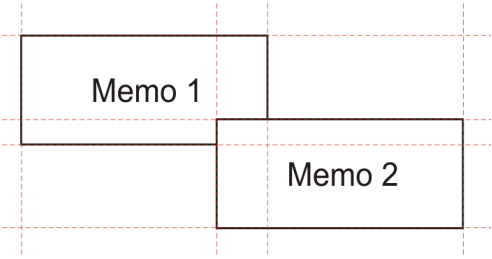
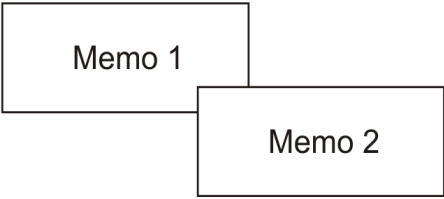
- GIF (Graphics Interchange Format) –  
GIF

( , , ).

- TIFF, TIF (Target Image File Format) –





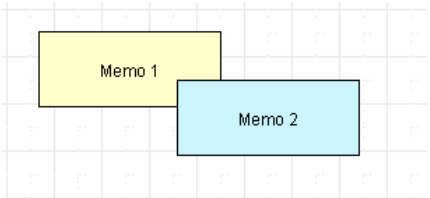


RTF

150 450  
300.

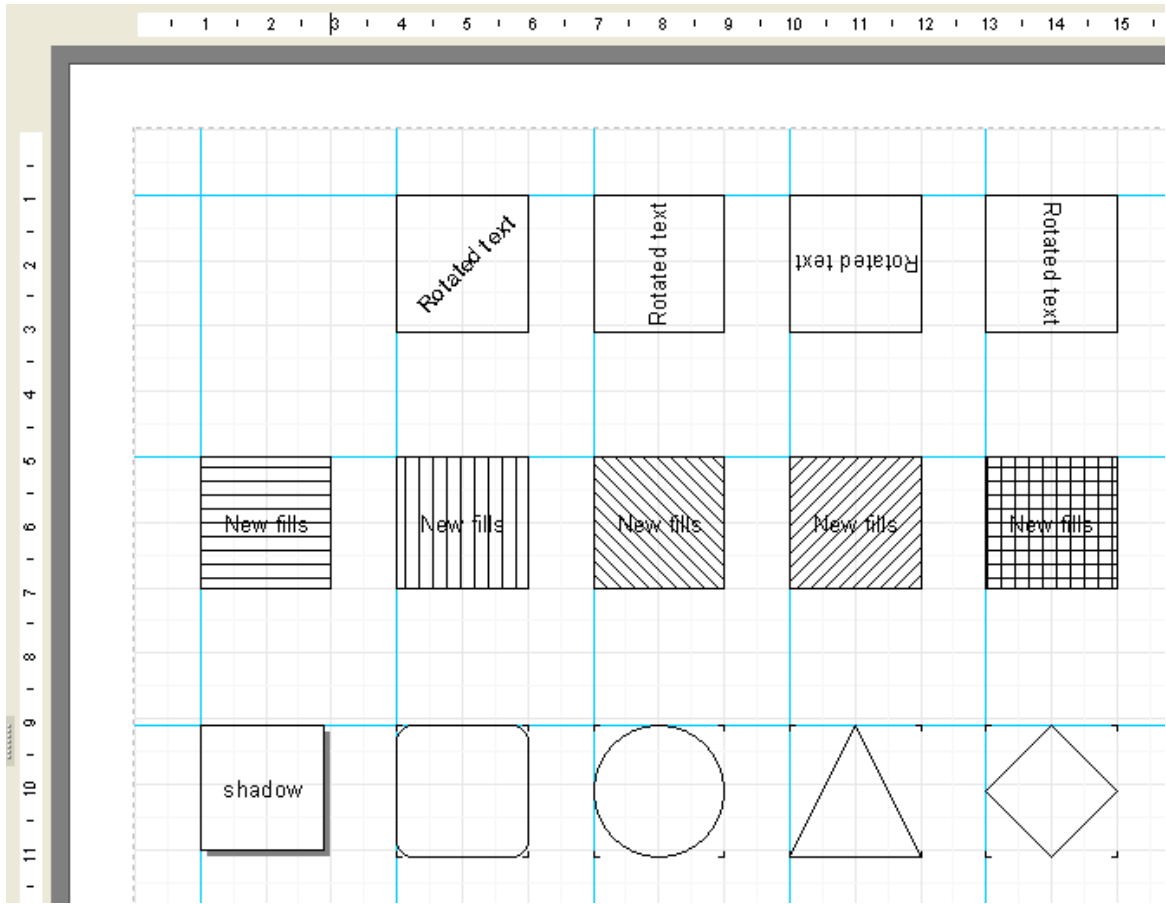
150.  
(150

).



	A	B	C	D
1	Memo 1			
2		Memo 2		
3				
4				

Excel



FastReport

