

# FastReport VCL 5

	I	1
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1	.....	3
2	.....	4
3	.....	4
	.....	4
	"        " .....	5
	"    " .....	6
	"        " .....	7
	"        " .....	8
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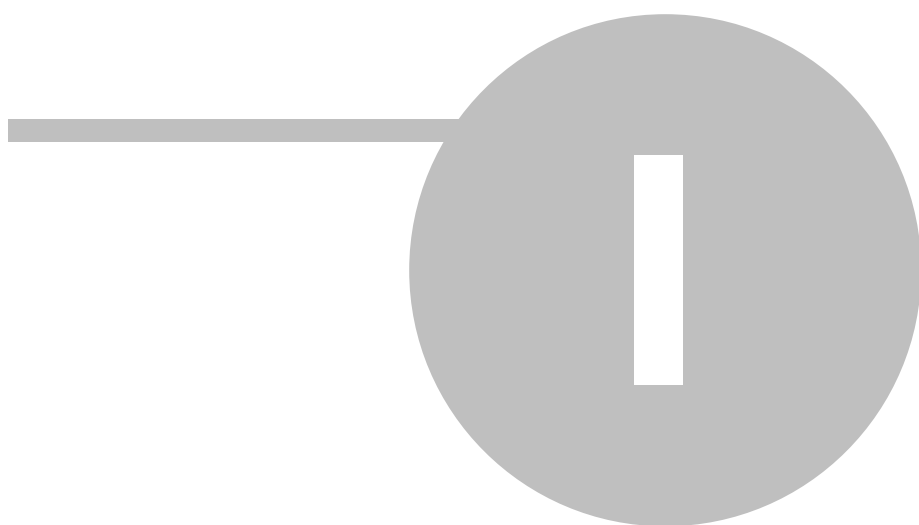
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design-time

TfrxReport.

Delphi design-time.

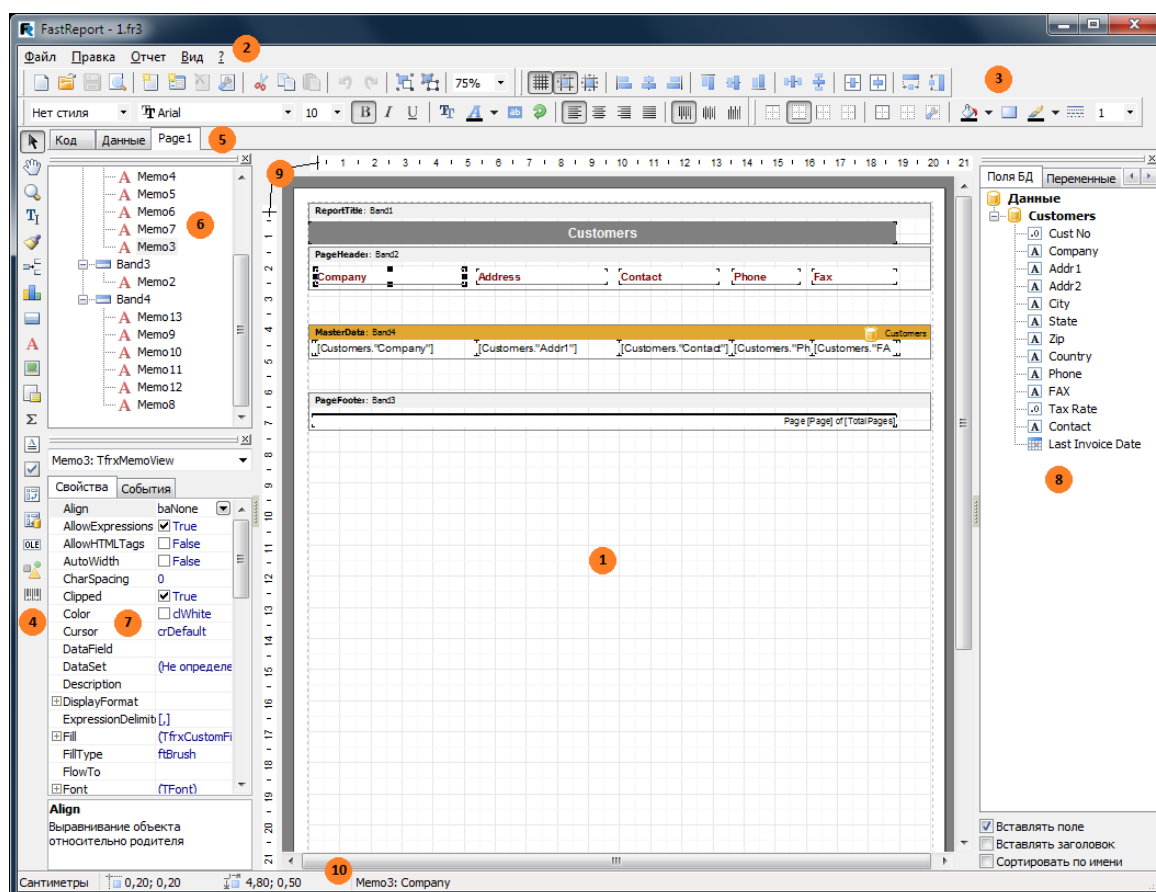
TfrxDesigner

frxDesign.

FastReport,

run-time

uses



```

1 -           ;
2 -           ;
3 -           ;
4 -           ;
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6 - "         ",
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```

## 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

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		100%, 100%. , , ,
		" " , , " " .
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## 1.3.2

" "



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

## 1.3.3

" "



		“ ” ‘ ’ … ”
<b>Arial</b>		
<b>10</b>		
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<b>A</b>		.










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## 1.3.4

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
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1		.

## 1.3.5

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## 1.4

Настройки дизайнера

**Сетка**

Тип: ☒ Сантиметры: 0,1 см ☐ Дюймы: 0,1 in ☐ Точки: 4 pt

Размер: 4 pt

☒ Показывать сетку

☒ Выравнивать по сетке

Диалоговая форма: 4 pt

**Шрифты**

Редактор кода: Courier New Размер: 10

Редактор текста: Arial Размер: 10

☒ Использовать шрифт объекта

**Цвета**

Рабочее поле:

Окна:

☒ Цвет сетки для LCD-монитора

**Прочее**

☒ Вызывать редактор после вставки

☒ Показывать заголовки бэндов

☒ Показывать выпадающий список полей

☐ Свободное размещение бэндов

Промежуток между бэндами: 4 pt

Восстановить настройки OK Отмена



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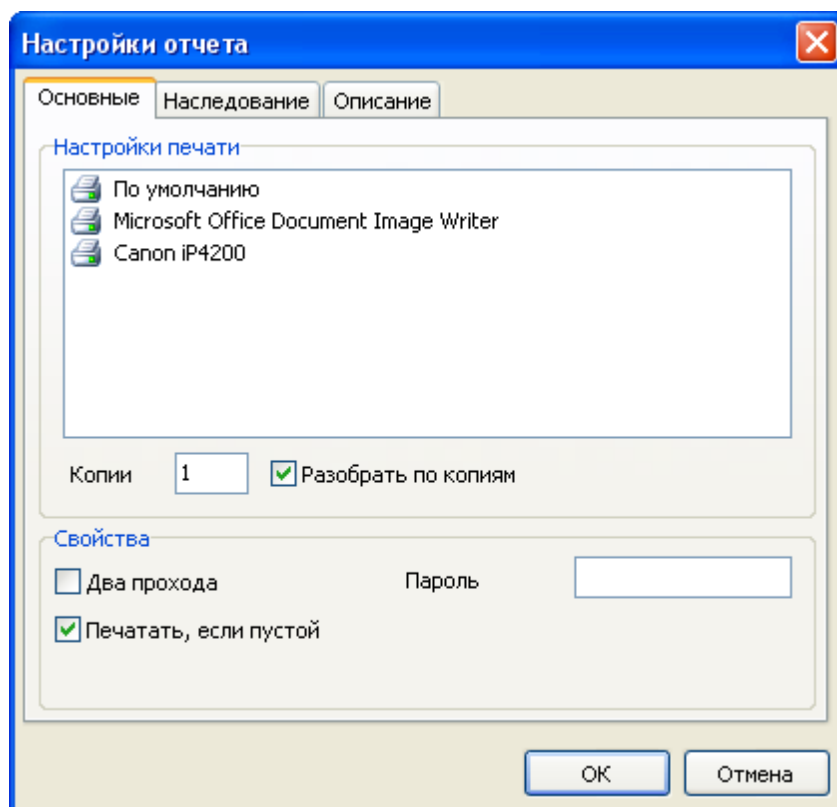
|

..."

.

-

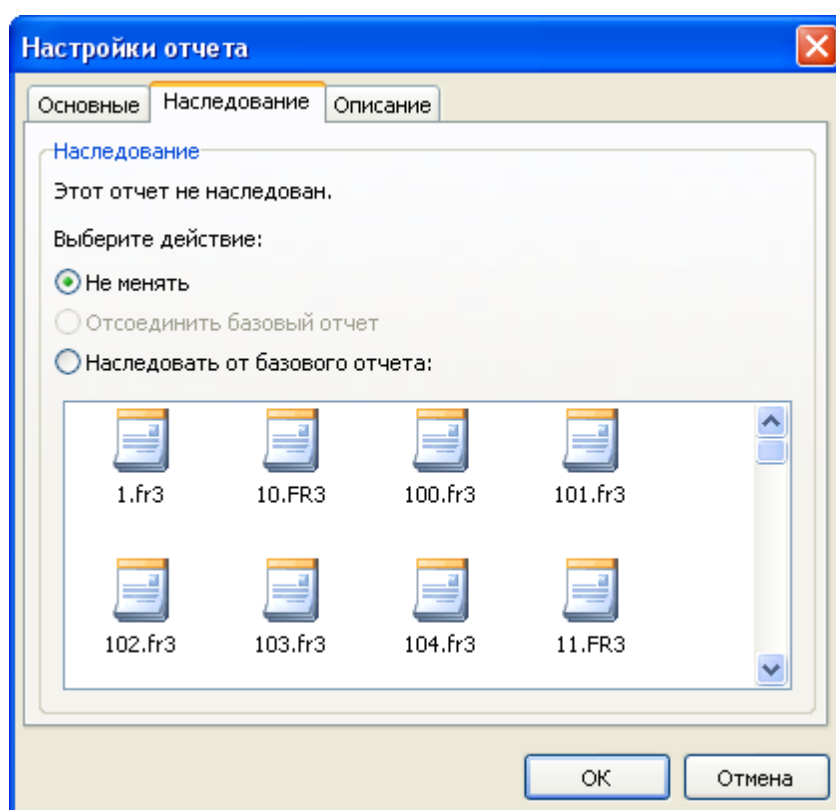
:

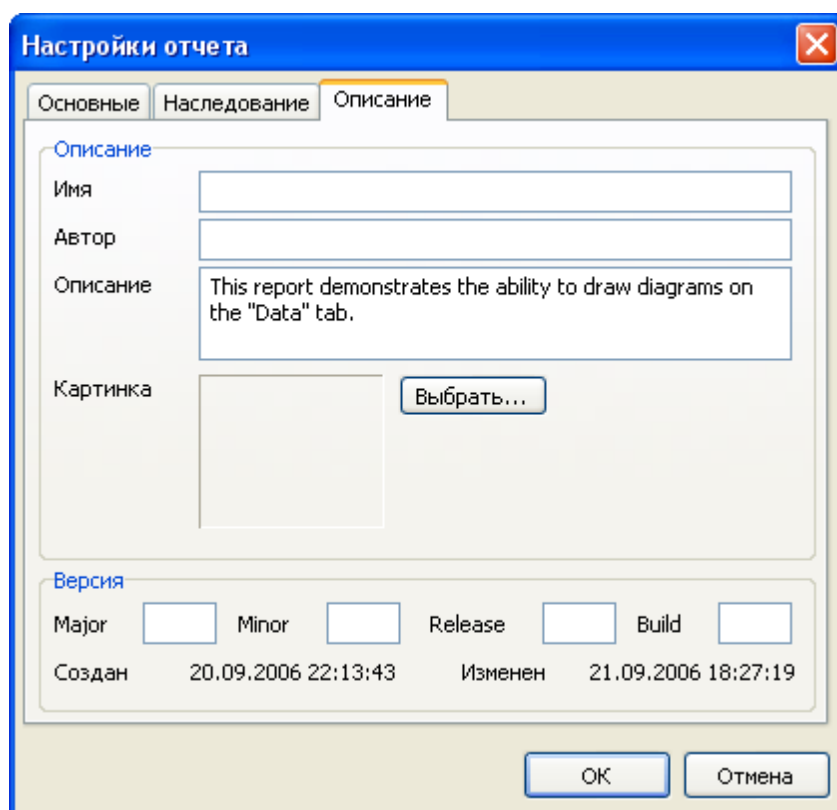


TOTALPAGES.


0.

FR.






## 1.6

**Настройки страницы** 

Страница **Прочее**


**Формат**

А4 

Ширина  см

Высота  см

**Ориентация**


☒ Портретная 


☐ Альбомная

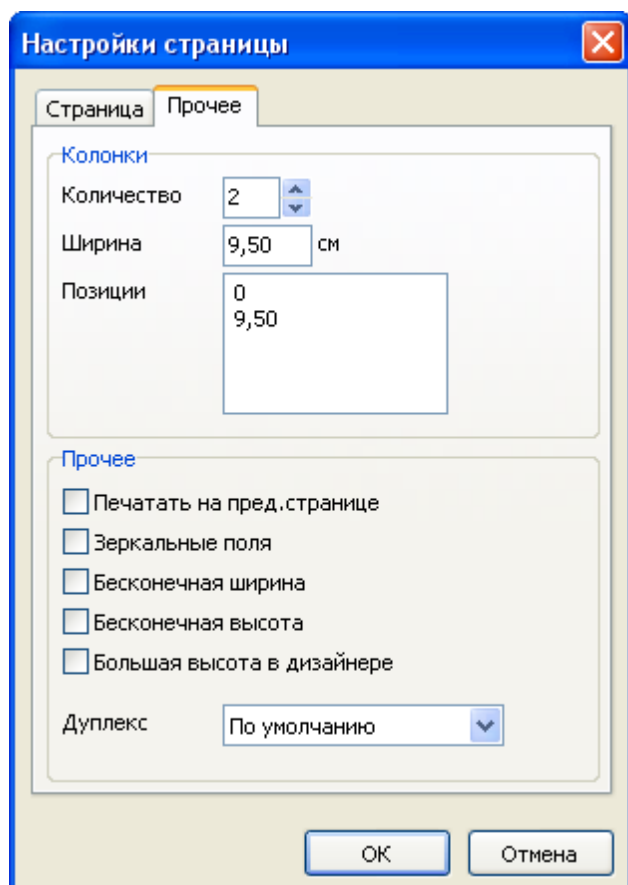
**Поля**

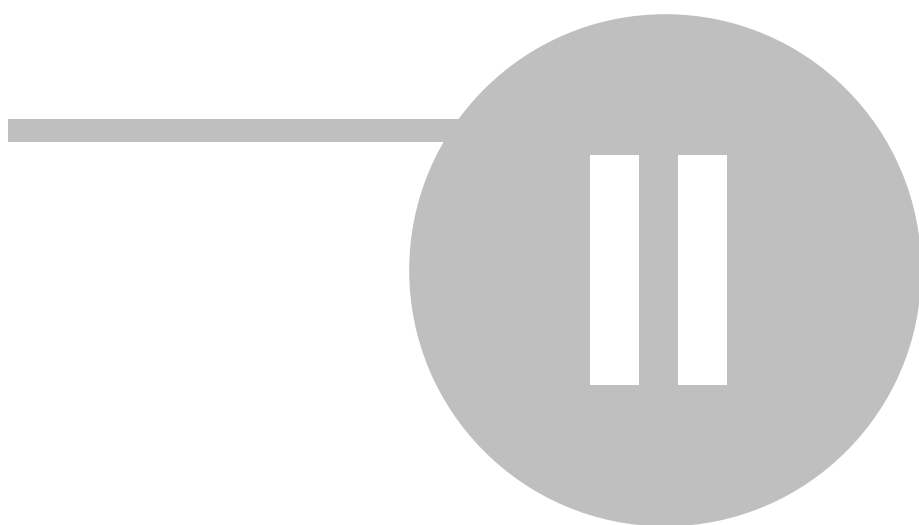
Левое	<input type="text" value="1"/> см	Правое	<input type="text" value="1"/> см
Верхнее	<input type="text" value="1"/> см	Нижнее	<input type="text" value="1"/> см

**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!"

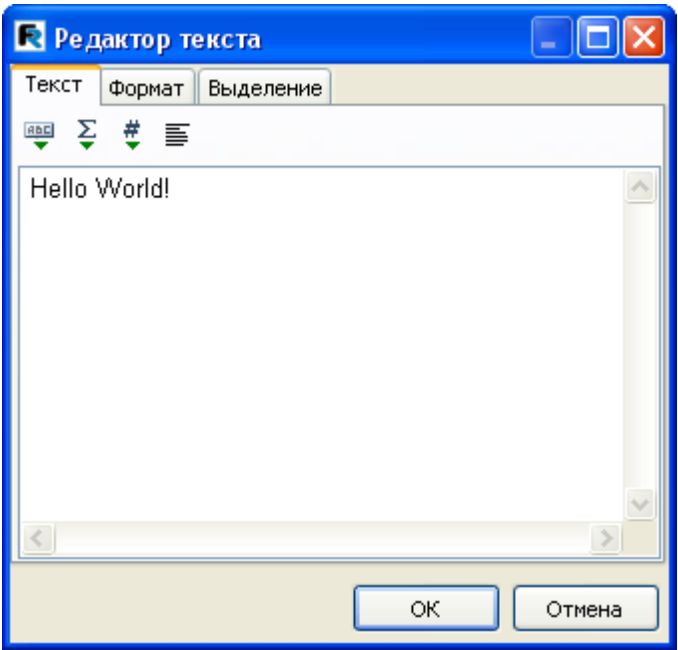
"Hello, World!". , FastReport.

" "

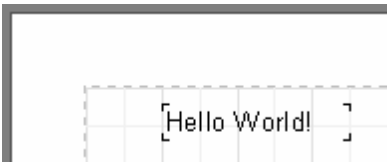
,

;

( ,



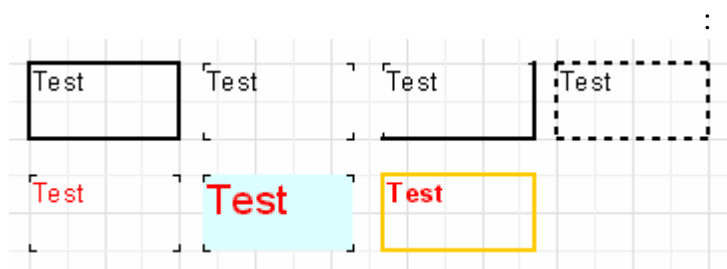
"Hello World!"



" | "

"Hello World!".

## 2.3



WordWrap,



0.360

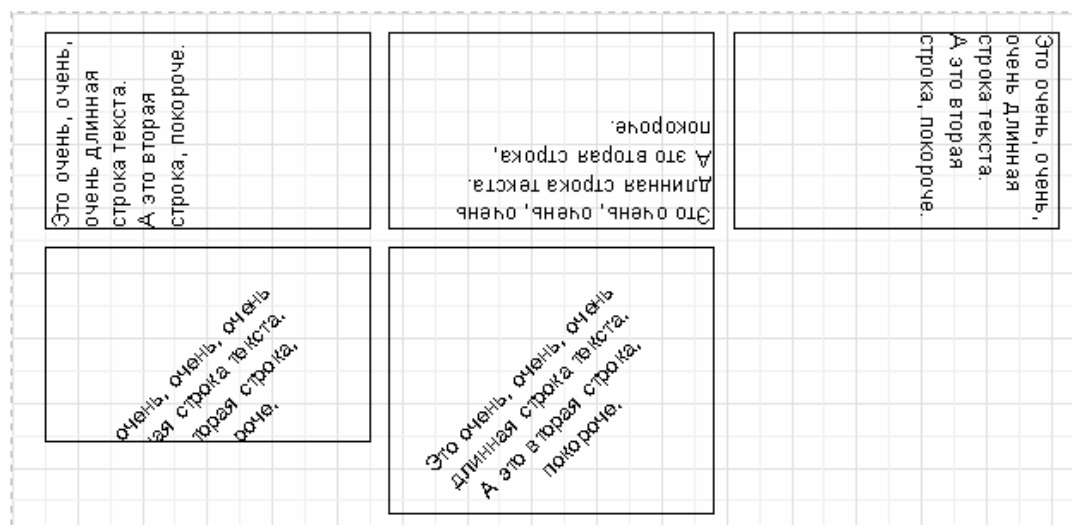
90, 180 270

Rotation

90, 180, 270,

( . ).

45,



" "

- 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>

$E = mc^2$

$A_{sub}1 = B_{sup}2$

, <font color=red> </font>

, <font color="#FF8030"> </font>

« текст **жирный текст** наклонный текст **жирный и наклонный** »  
 E = mc<sup>2</sup>  
 A<sub>1</sub> = B<sup>2</sup>  
 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.*

*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 " "  
Delete  
FastReport

ReportTitle: ReportTitle1					
[	Hello!	]			
PageHeader: PageHeader1					
				[DATE]	]
PageFooter: PageFooter1					
				[	Page#]



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

2.7 -

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





```

        "      XXX      ".
        ,      :
-      -      ;
-      -      ;
-      -      "      "      ,      .
        FastReport
        .      ,
        ,      .

```

## 2.8 TfrxDBDataSet

```

        (
        - TfrxDBDataSet 
FastReport.
    FastReport.
        . FastReport
        , TDataSet),
        ,
        , TfrxDBDataSet
        , TDataSet ( BDE, ADO, IBX
        ). IB_Objects
        TfrxIBODataset,
        ( , . .) - TfrxUserDataSet 
        TfrxDBDataSet
        , DataSet (
        ) DataSource ( TDataSource).
        TDataSource.
        ,
FastReport , " | ..."
        .

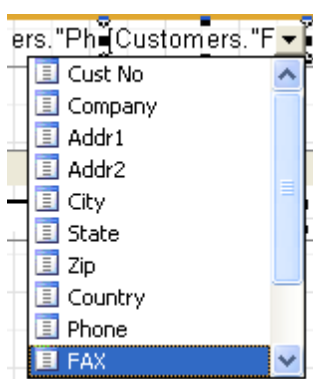
```

Delphi –  
TTable[illegible]

```

        .
        :
-
        ;
-
        "
        ... "
        ;
-
        DataSet
        .
        ,
        ,
        .
        ,
        FastReport.
        "[frxDBDataSet1."CustNo"]".
        "
        "
        , . .
        ,
        .
        -
        "
        ".
        .
        ,
        ,
        .
        ,
        Delphi -
        .
        :
        .
        DataSet = frxDBDataSet1
        DataField = 'Company'
        . .
        ,
        .
        - drag&drop
        "
        "
        "Phone"
        -
        "
        "
        "
        "
        ,
        ,
        .
        "
        "
        .
        ,
        .
        ,
        .
        "FAX".
        ,
        (
        "
        |
        ... "
        "
        ").

```



<b>ReportTitle:</b> ReportTitle1			
[Список клиентов]			
<b>MasterData:</b> MasterData1			
[frDBDataSet1]	[frDBDataSet1."Company"]	[frDBDataSet1."Pho"]	[frDBDataSet1."FAX"]
<b>PageFooter:</b> 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"]".

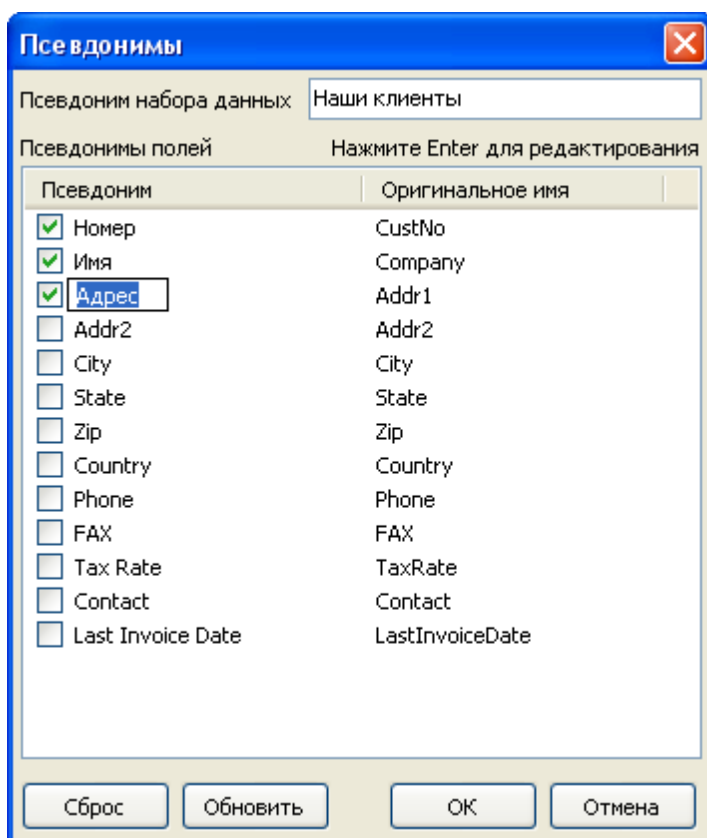
( ).

FastReport.

Delphi.

FastReport

frxDBDataSet1,



frxDBDataSet1.

UserName

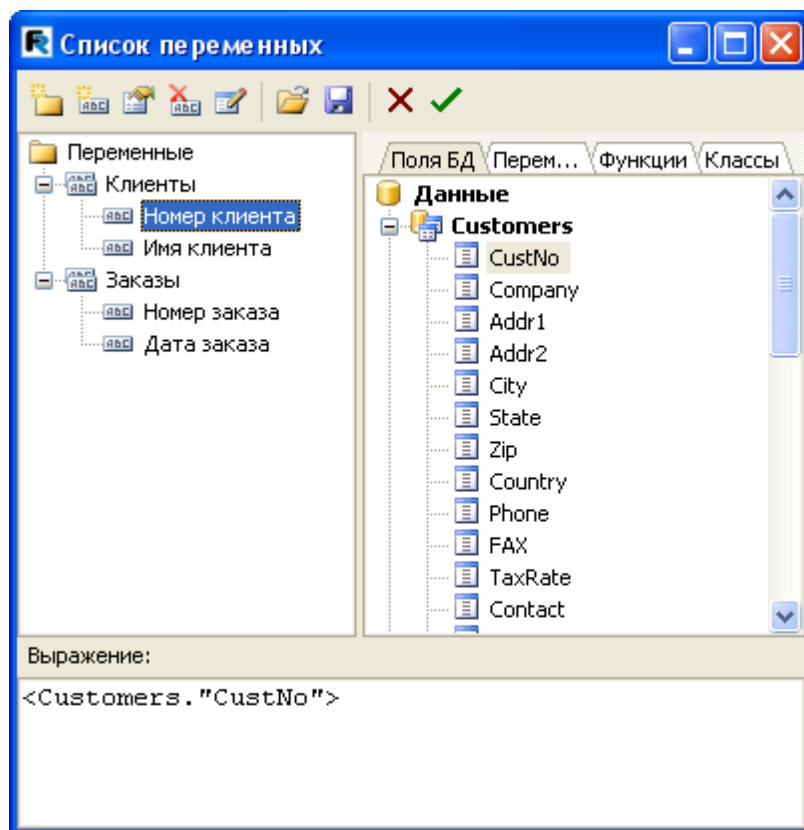
## 2.12

```

- Orders      : - Customers      "CustNo"  "Name"
               "OrderNo"  "Date".
               :

```

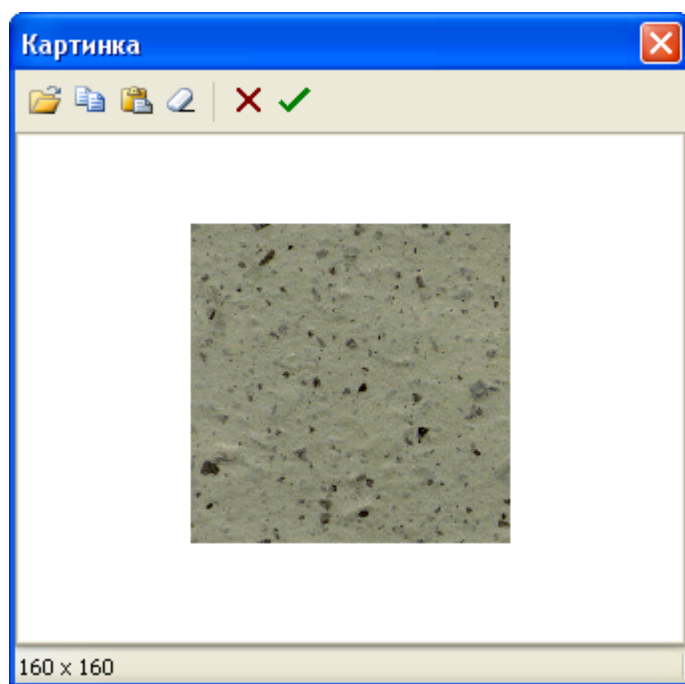
[illegible]



## 2.13

JPEG, ICO, WMF, EMF.





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

## 2.14

© 1998-2016

```
DataSet = Bio
DataField = 'Graphic'
```

4



## РЫБЫ

Clown Triggerfish



Red Emperor



## 2.15

Biolife

"Notes",

"Notes"

- 8 2.5

## 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



1998-2016	"	"
-----------	---	---

## 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.



## Giant Maori Wrasse

Range is from the Indo-Pacific to East Africa.

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



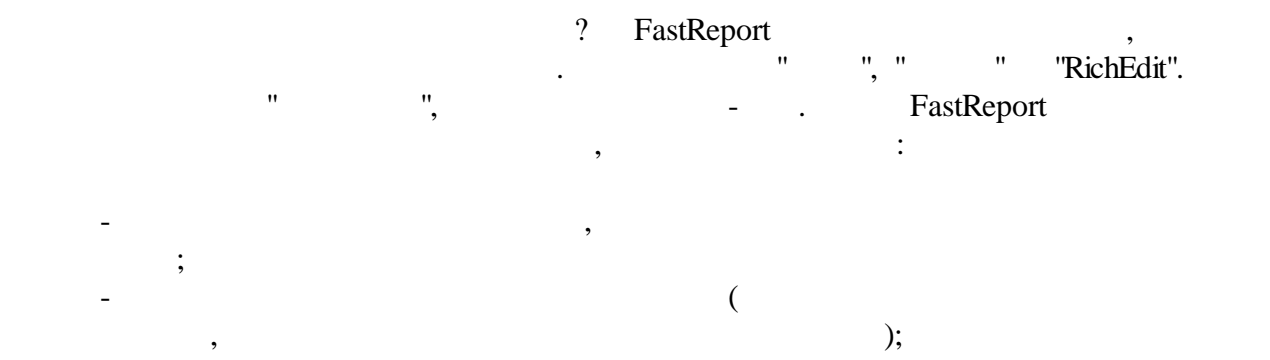
FastReport

2.16

FastReport

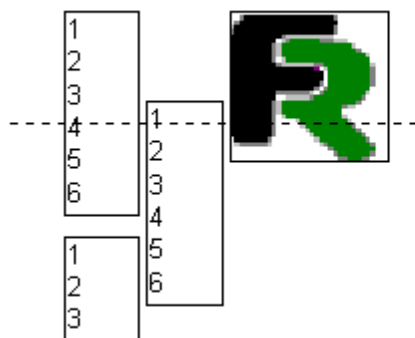
FastReport

```
FastReport
" " (AllowSplit)
" 1 ".
:
```

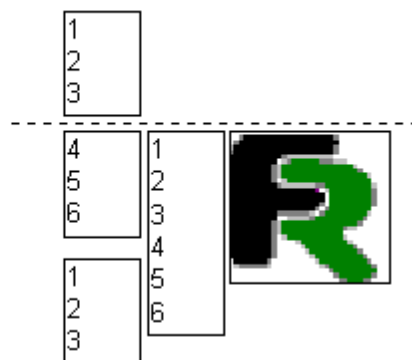


- ;  
 - , ;  
 - , , ;  
 - , :

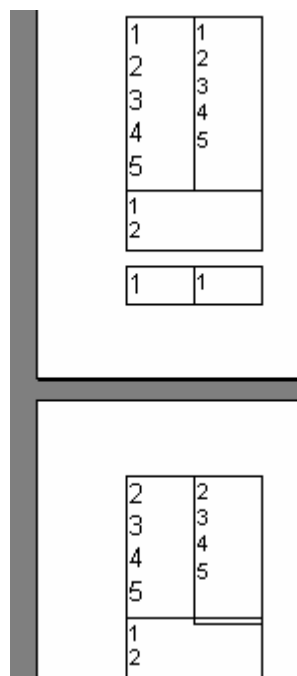
До разрыва:



После разрыва:



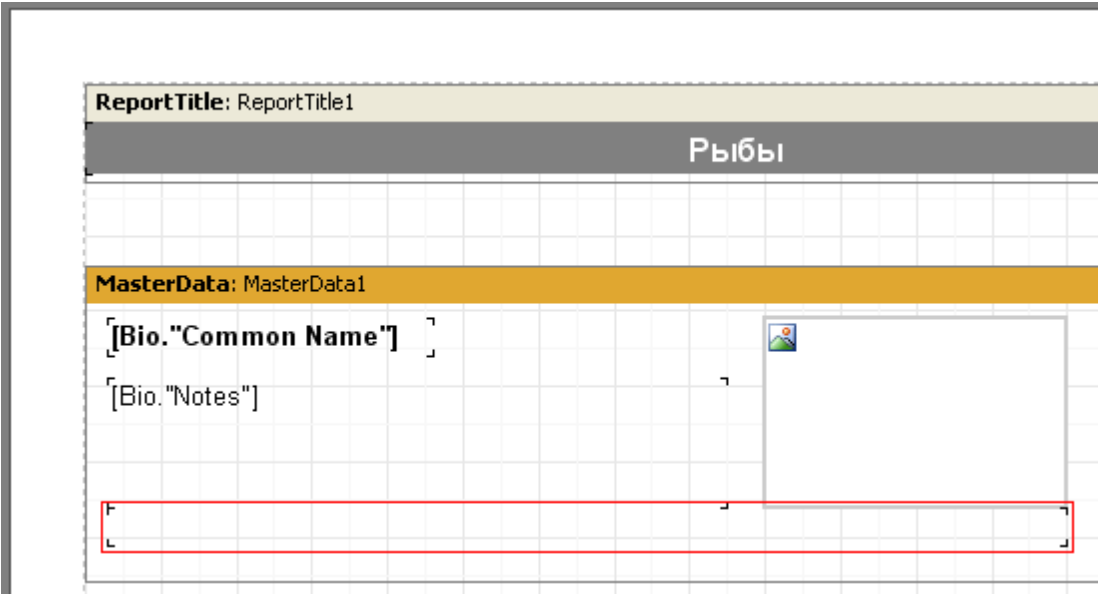
100%





2.17

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FastReport  
" " (  
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Bio."Notes"  
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Bio."Notes"  
FlowTo.  
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## 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,

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**MasterData:** MasterData1

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

PageHeader: PageHeader1		
MasterData: MasterData1		
[Bio."Species"]	[Bio."Common Name"]	[Bio."Length"]
ReportSummary: ReportSummary1		

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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.

90020	Clown Triggerfish	50	<p>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.</p> <p>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."</p> <p>Not edible.</p> <p>Range is Indo-Pacific and East Africa to Somoa.</p>
90030	Red Emperor	60	<p>Called seaperch in Australia. Inhabits the areas around lagoon coral reefs and sandy bottoms.</p> <p>The red emperor is a valuable food fish and</p>

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90020	Clown Triggerfish	50	<p>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.</p> <p>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."</p> <p>Not edible.</p> <p>Range is Indo-Pacific and East Africa to Somoa.</p>
90030	Red Emperor	60	<p>Called seaperch in Australia. Inhabits the areas around lagoon coral reefs and sandy bottoms.</p>

## 2.19

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**MasterData: MasterData1**

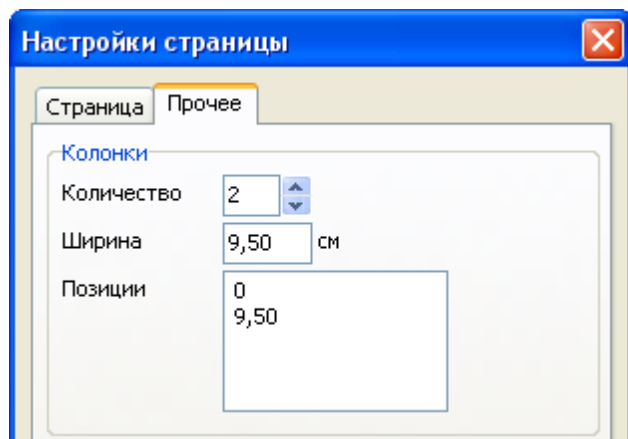
Номер:	[Bio."Specie"]
Категория:	[Bio."Category"]
Название:	[Bio."Common Name"]
Длина:	[Bio."Length"]

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

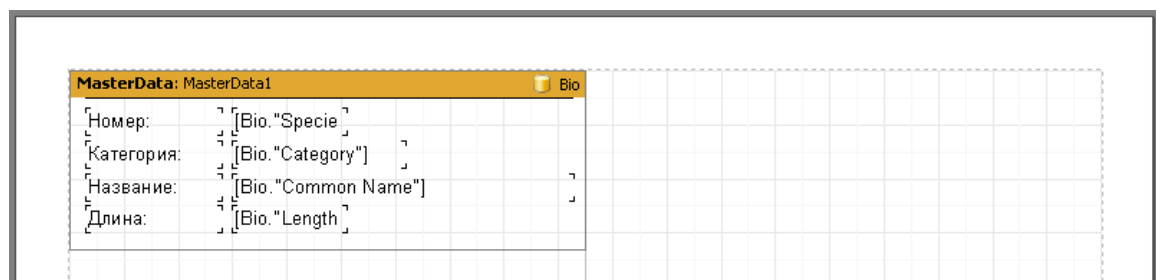
Номер:	90030
Категория:	Snapper
Название:	Red Emperor
Длина:	60

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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

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

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

Bio."Length (cm)",

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**MasterData:** MasterData1

Номер: [Bio."Specie

Категория: [Bio."Category"]

Название: [Bio."Comm

**Child:** Child1

Длина: [Bio."Length

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Child = Child1.

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

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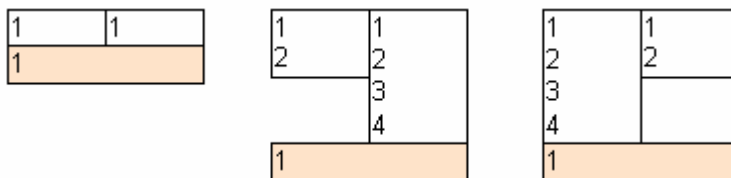
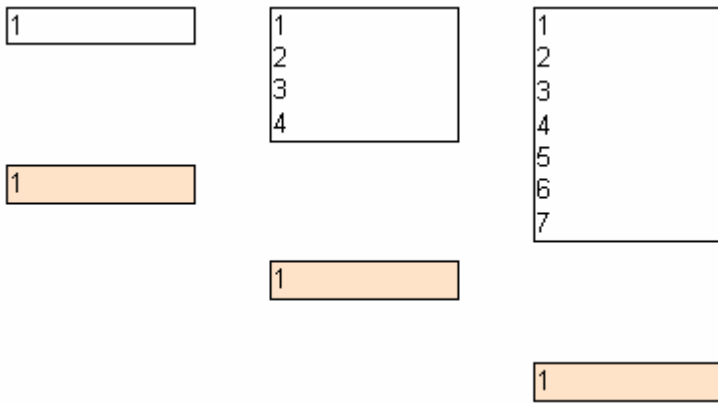
## 2.21

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The diagram illustrates three different ways to represent the number 1 using a 10x10 grid. In the first grid, 1 out of 10 squares is shaded. In the second grid, 1 out of 4 squares is shaded. In the third grid, 1 out of 10 squares is shaded.



## 2.22

## (master-detail)

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 Customer Orders.  
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**Customer:**

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

$$\begin{array}{l} \vdots \\ \text{CustNo} = \end{array}$$

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

TfmxDBDataSet, TTable, TDataSource, Delphi, TfmxReport.

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

```
TableName = 'Orders.db'
```

$$DataSet = Table1$$

*UserName* = 'Customers'

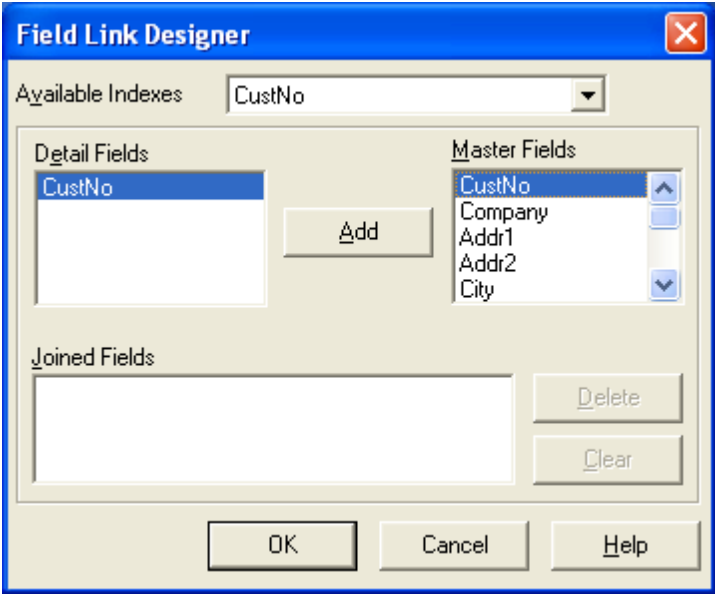
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UserName = 'Orders'
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Table2:



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CustNo
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    "Add".
    .
    FastReport
    (Customer),
    (Orders).
    Orders.CustNo = Customer.CustNo. . .
    ;

```

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



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master-detail.

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## 2.24

FastReport

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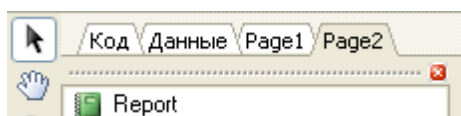
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Page2

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

## Наш отчет

Customers				
Company	Address	Contact	Phone	Fax
Action Club	PO Box 9481-P	Michael Spurling	813-470-0230	813-470-0282
Action Diver Supply	Blue Spar Box 83	Marlene Mills	22-44-800-211	22-44-800-096
Adventura Undersea	PO Box 744	Glenn Gonzalez	011-34-09-094	011-34-09-094
American SCUBA Supply	1739 Atlantic Avenue	Lynn Christjani	213-854-0062	213-854-0068
Aquatic Drama	621 Everglades Way	Gillian Owen	813-442-7854	813-442-7878
Blue Ocean Happiness	6345 W. Shara Lane	Christine Taylor	213-855-1884	213-855-1886
Blue Jack Aqua Center	23-7518 Paddington Lane	Ernest Barnett	401-893-7623	401-893-9-403
Blue Sports	203 12th Ave. Box 748	Thomas Kunic	810-772-4704	810-772-4704
Blue Sports Club	63955 Niz Rinca Street	Henry Bakthons	612-887-0342	612-887-0348
Calamenon Diver Club	Box 294 Pleasant Point	Nicola Dupont	213-223-0441	213-223-2324
Clayman Divers World Unlimited	PO Box 541	Joe Bailey	011-5-887-044	011-5-887-054
Control Underwater Supplies	PO Box 757	Mark Evertson	21-15-443-246	21-15-443-3259
Davey Jones Locker	246 South 18th Place	Tanya Wagner	933-554-012	933-554-0353
Divers Direct	24921 Universal Lane	Peter Owen	213-422-0063	213-422-4271
Divers of Blue-grin	834 Complex Ave.	Nancy Bean	205-895-7184	205-895-4059
Divers of Corfu Inc.	Nimmoist Place 54	Charles Lopez	30-861-83364	30-861-05943
Divers of Varlos	220 Elm Street	Simons Green	813-443-2399	813-443-8942
Divers-for-Hire	G.O. P Box 81	Joe Hester	878-804-878	878-059-346
Finetech Aquatics	232 666 # 5A-77 A.A.	Susan Wong	087-1-773-434	087-1-773-421
Fishermen's Eye	PO Box 7542	Bethen Lewis	858-895-4833	858-895-4833
Frank's Divers Supply	1485 North 44th St.	Lloyd Paltrow	803-885-2778	803-885-2789
Georgia Bean & Co.	#70 King Salmon Way	Bill Wyens	803-433-2771	803-433-3003
Gold Coast Supply	223-B Houston Place	Elaine Fells	205-895-2440	205-895-4094
Island Finders	6133 1/3 Stone Avenue	Diamond Ortega	713-423-6776	713-423-6776
Jamaica SCUBA Centre	PO Box 85	Barbara Harvey	011-3-887-043	011-3-887-043
Jamaica Sun, Inc.	PO Box 843	Jonathan West	809-895-2746	809-895-0325
Kauai Diver Shoppes	4-878 Sugarloaf Hwy	Erica Norman	808-895-0289	808-895-0278
KIA Enterprises	42 Aqua Lane	Ruthie Claus	713-899-6487	713-899-1073
Lenny's Diving School	3982 NW Boca Street	Isakbell Nisco	903-403-7777	903-403-0059
Makal SCUBA Club	PO Box 8834	Danna Skues	317-848-0068	317-848-8787
Marine SCUBA Center	PO Box 82438 Zulu 7831	Stephen Boyett	88-35-48-222	88-35-48-046
Marmot Divers Club	872 Ocean St.	Joyce Marsh	416-893-0399	416-893-0399
Neptun's Trident Supply	PO Box 120	Louise Francis	778-887-3546	778-887-6943
Nonwater SCUBA Limited	PO Box 8834	Angela Jones	778-123-0146	778-123-8765
Ocean Adventures	PO Box 485 Khol	Paul Bell	778-895-8384	778-895-8383
Ocean Frontiers	PO Box 8748	Paul Gardner	808-895-8231	808-895-8480
On-Targe SCUBA	1-757-83 Nantuxena Road	Brian Phillips	416-448-0688	416-448-0223
Princess Island SCUBA	PO Box 32 Wilkysville	Anne Marachi	878-311-023	878-311-203
Professional Divers, Ltd.	4734 Melinda St.	Shirley Mathers	205-895-8333	205-895-4054
Salad Under the Sea	PO Box 7469	Anne Rack	809-493-4233	809-493-3002
San Pablo Diver Center	1701-D N Broadway	Patricia O'Brien	823-044-2010	823-044-2060
SCUBA Hawaii	PO Box 0-3874	Robert Michelland	011-32-09-488	011-32-09-488
Shang-Lai Sports Center	PO Box 0-5486	Frank Pawlague	011-32-08-874	011-32-44-628
Sight Diver	1 Neptuna Lane	Phyllis Spooner	387-6-878-708	387-6-878-943
The Daph Charge	15240 Underwater Hwy.	Sam Witherspoon	800-895-3768	800-895-0383
The Diving Company	PO Box 8838	Brian Mills	22-44-80-098	22-44-80-078
Tom Sawyer Diving Centre	652-1 Third Frydriehj	Chris Thomas	804-768-3122	804-768-7772
Toni Time Tuna	PO Box 14-8873	Kath Rida	809-895-0163	809-895-8954
Underwater Fantasy	PO Box 842	Gwen Atkinson	809-895-2234	809-895-2234

Report 078

PrintToPreviousPage

" "

## 2.25

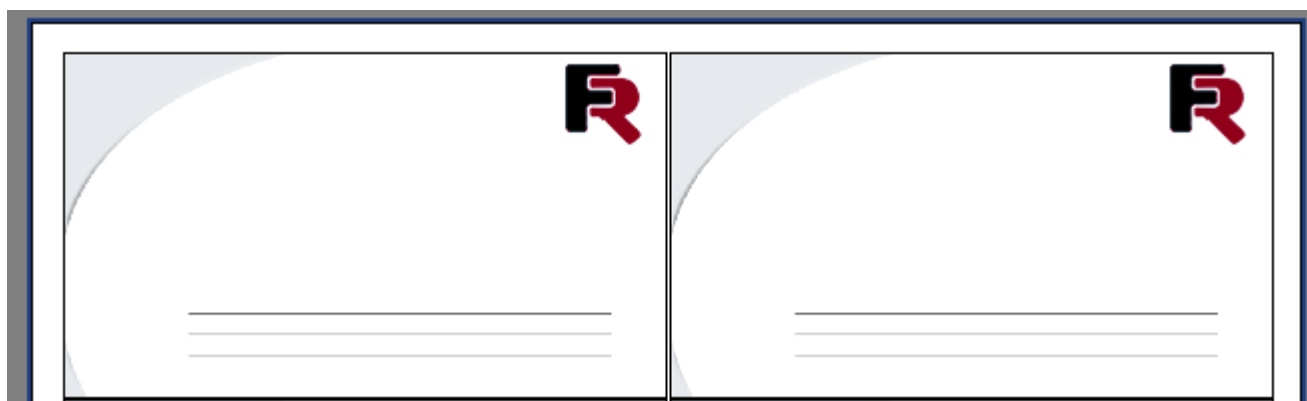
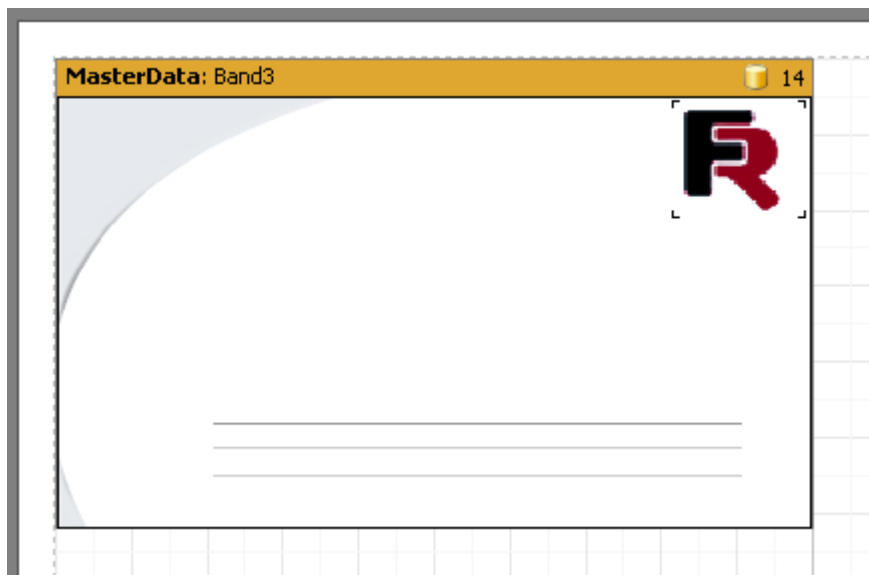
## RowCount PageCount

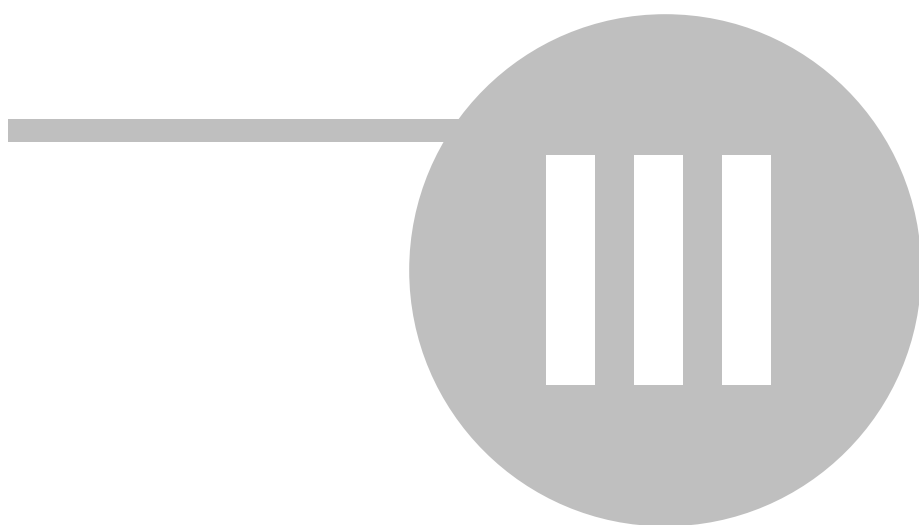
" "

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

## 3.2

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

```

        ,
        . FastReport
    (
        "
        "
    ),
    "
    " (
        ReprintOnNewPage
    ).
    :

```



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
------	------------

### 3.3

ResetPageNumbers ( " " (StartNewPage)

```

        ?)
        ,
        , 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.
        "
        "
        "
        "
        ,
        .

```

## 3.5

( N / ). ' " "

[Line] ( drag&drop

" " " ").

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

,

:

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
1	1160	01.06.1994
2	1302	16.01.1995
3	1278	23.12.1994
4	1202	06.10.1994

Line - :

Line#

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	

( ( COUNT)  
( - SUM):

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
		51450,8

FastReport

SUM MasterData1).

Group."ItemsTotal".

flags

Visible

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

1221	Kauai Dive Shoppe	51450,8
1231	Unisco	85643,6
1351	Sight Diver	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: SUM

Дата-бэнд: MasterData1

Набор данных: Group

Поле БД: ItemsTotal

Выражение: 

☐ Учитывать невидимые бэнды

☐ Нарастающим итогом

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

☐ Текст

OK Отмена

### 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

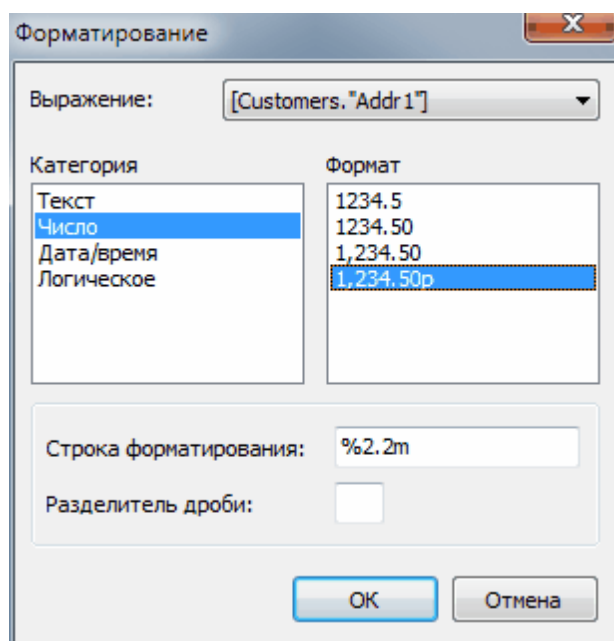
:

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

FastReport

SUM

DisplayFormat



234,50 .".

Format, FastReport  
 (.  
 "\_.  
 ).

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

## 4.2

" "

FastReport  
 " "

FastReport 5 , . .

:

:

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

—

(

" ( )").

, . . (

, ).

:

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

	,	:
1269	16.12.94	1 400,00p.
<hr/>		
		Сумма: 51 450,80p.
		Кол-во: 6

*[expression #tag]*

— # !  
:  
#n —  
#d — /  
#b , —

,  
Format, / , —  
FormatDateTime.  
Delphi, FastReport:

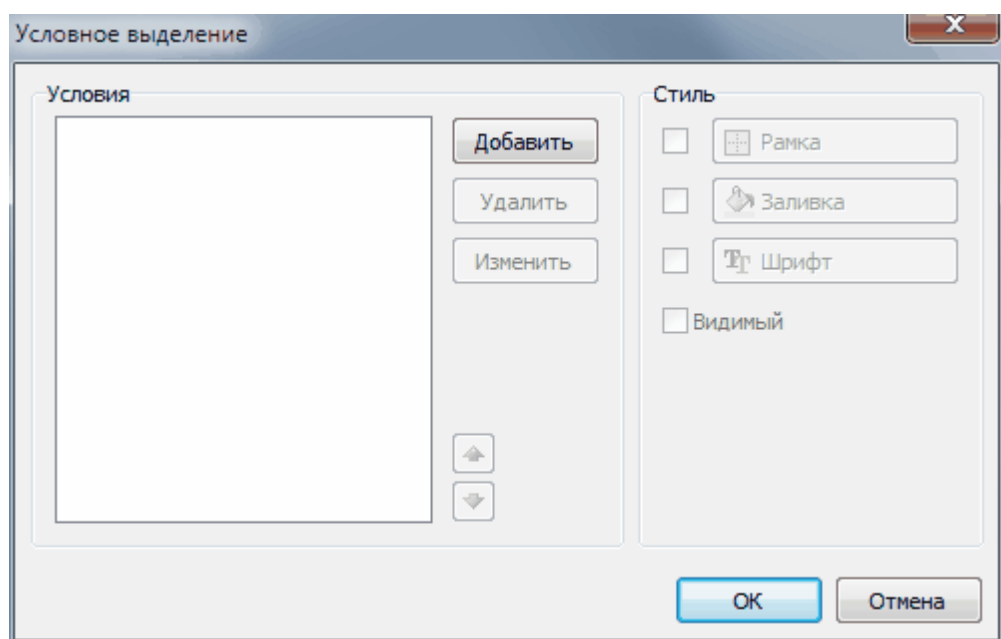
:  
%g —  
%2.2f —  
%2.2n —  
%2.2m — , Windows,  
.

/ :  
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

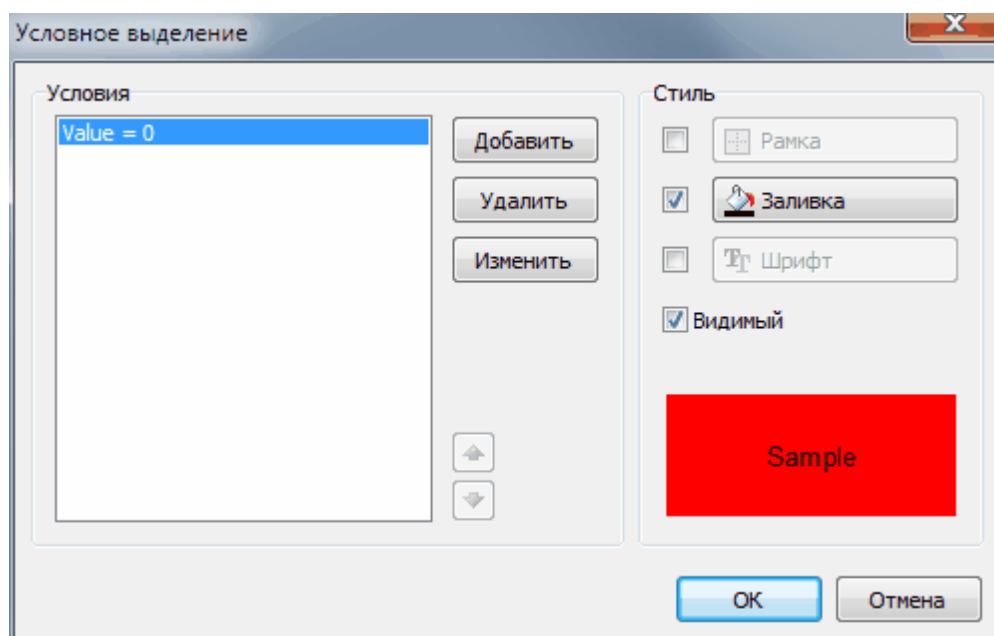
C++Script ( .  
C++Script:

Value == 0

Value,

Value

<Products."UnitsInStock"> = 0





*Value < 10*

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

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

"Value = 0"



4.4

ReportTitle: ReportTitle1									
[Список клиентов]									
MasterData: MasterData1									

<Line> mod 2 = 1

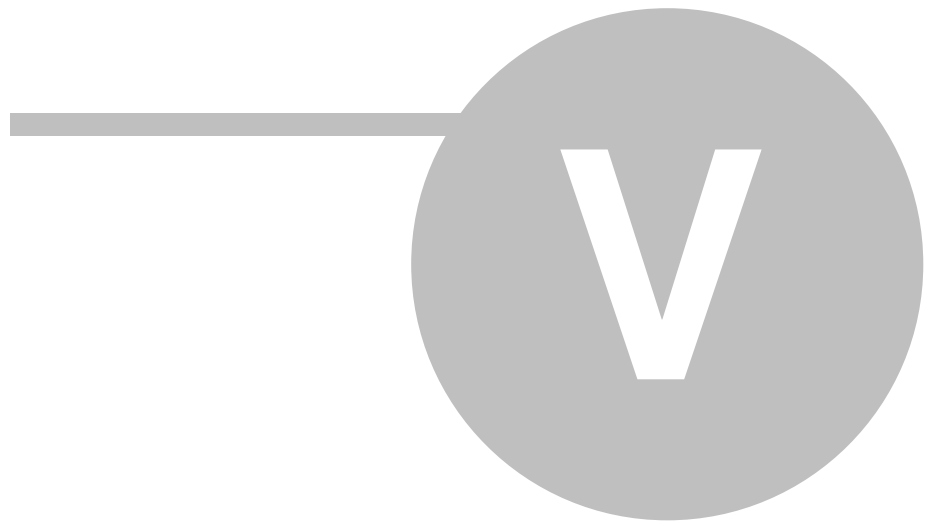
:  
" )

C++Script ( .  
C++Script:

<Line> % 2 == 1

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

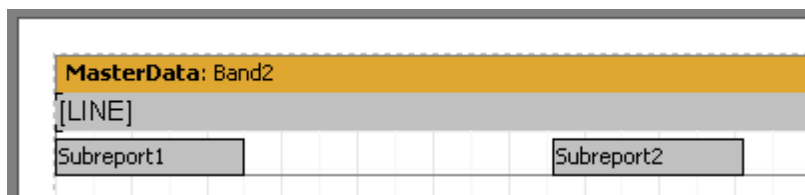


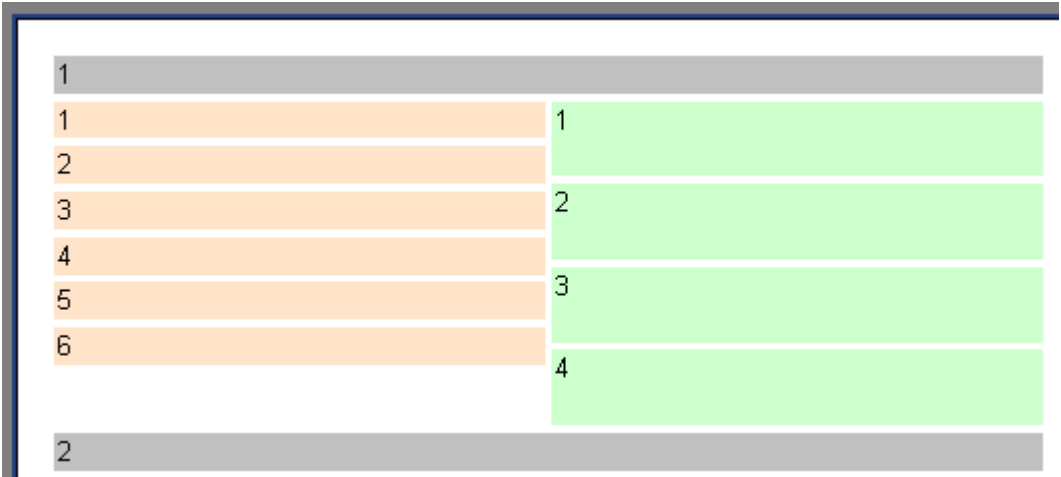
```

    ,
    .
    FastReport,
    "
    "
    ,
    ,
    FastReport
    ,
    .
    —
    ,
    "
    "
    ,
    .
    "
    "
    ,
    "Subreports".
    ,
    FastReport
    ,
    "
    "
    FastReport
    —
    .

```

## 5.1





, FastReport

5.2

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

MasterData: Band4

Company

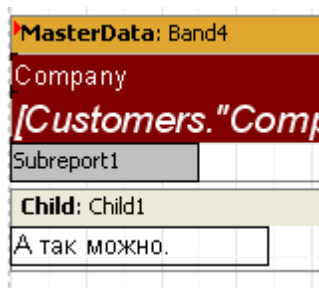
[Customers."Comp

Subreport1

Так делать нельзя!



(child) :



,

## 5.3

"

## " (PrintOnParent)

"

"

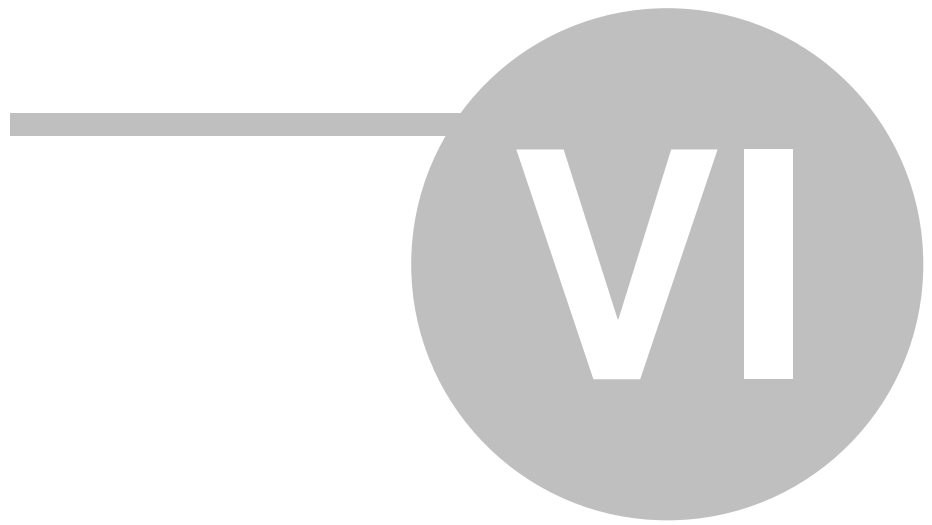
– PrintOnParent,

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);
- ;
- .

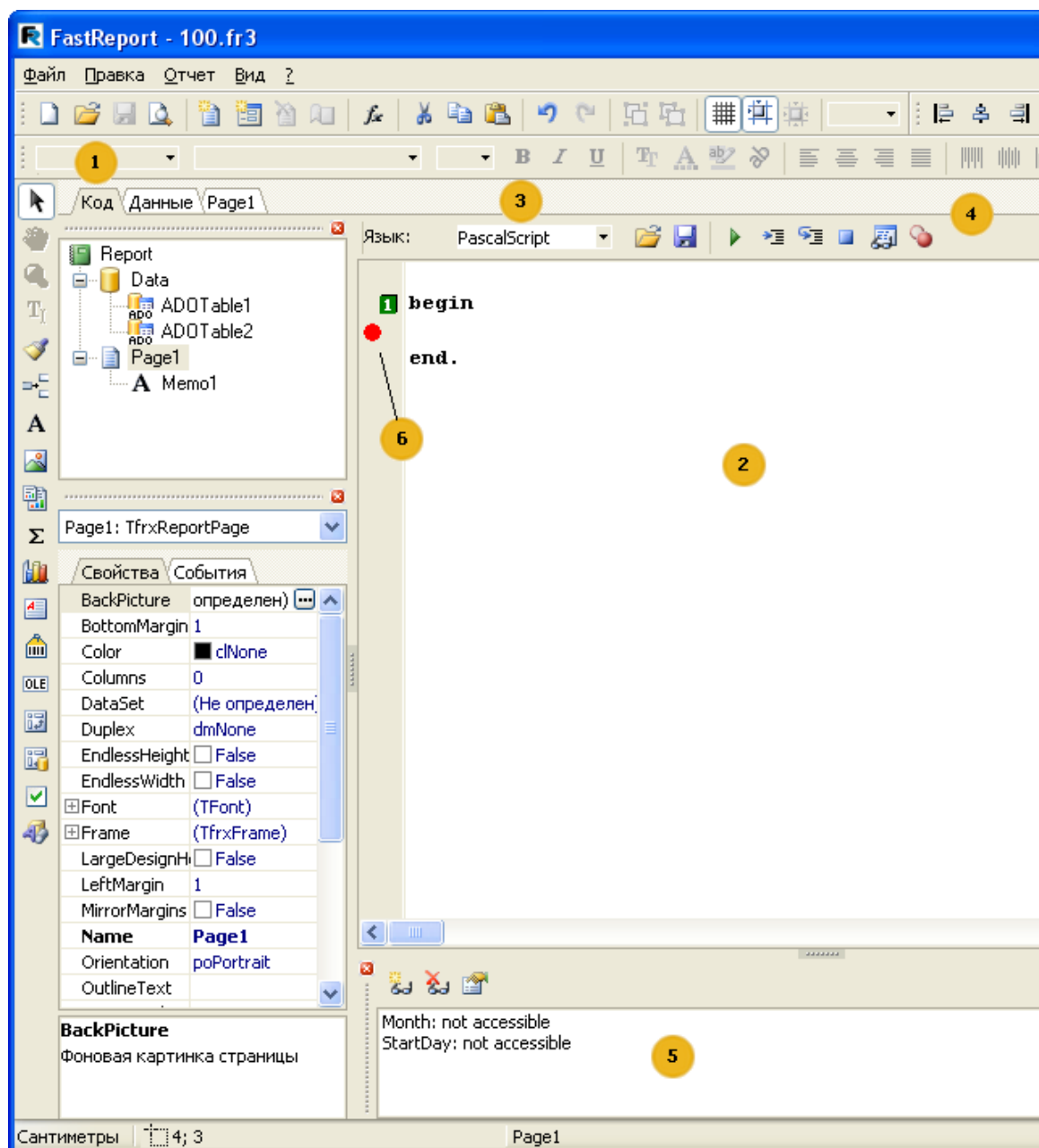
FastReport,
: Step, Breakpoint, Run to cursor, Evaluate.

```

## 6.1



```

FastReport.
" "
:
```



:

- 1 – " ";
- 2 – ;
- 3 – ;
- 4 – :
- 5 – ;
- 6 – , (Run to cursor);
- 7 – (Step into);
- 8 – ;

 - (Evaluate);  
 - /  
 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           // -
```

FastScript

PascalScript.

"Hello, World!" – , .

"", FastReport

, 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

```

" ",
(
,
.
"
```



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

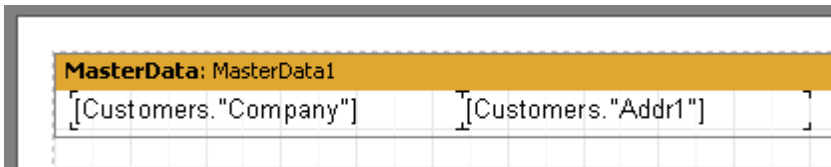
OnBeforePrint

```
Delphi, TTable, TfrxDBDataSet, TfrxReport :
```

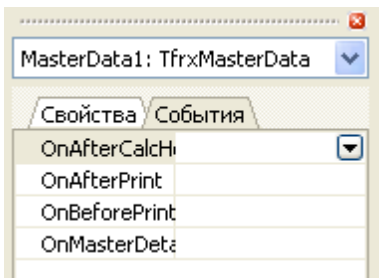
```
Table1:
DatabaseName = 'DBDEMOS'
TableName = 'customer.db'
```

```
frxDBDataSet1:
DataSet = Table1
UserName = 'Customers'
```

```
:
```

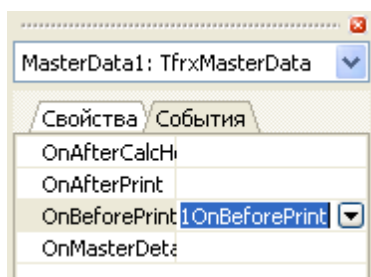


```
- " "
```

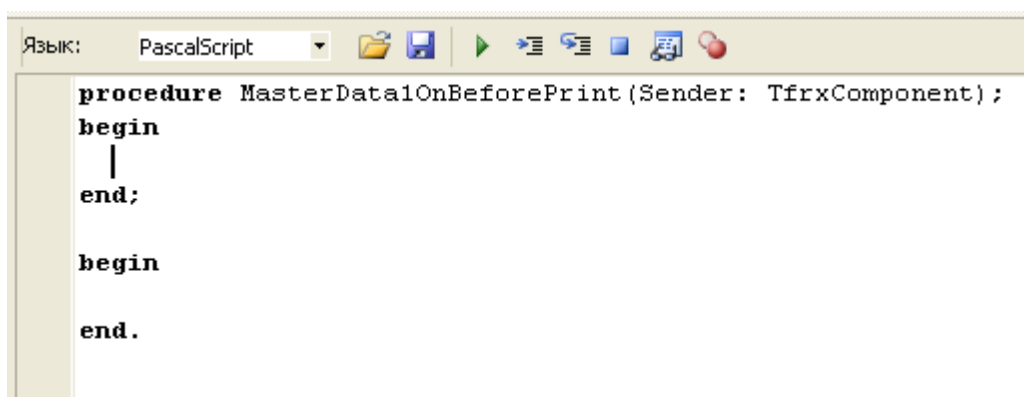


```
OnBeforePrint (
```

```
),
:
```



" ";



, , Delphi.

### *PascalScript:*

```

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

### *C++Script:*

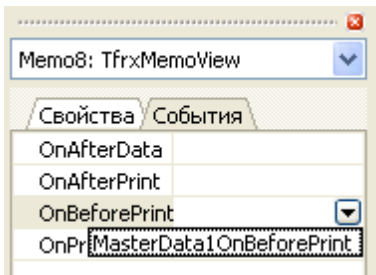
```

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  
Sender  
Delphi).  
Delphi:



Delete.

6.11

TfrxDBDataSet.  
Delphi,  
TQuery, TfrxReport,

```

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

```

```

frxDBDataSet1:
DataSet = Query1
UserName = 'Group'

```

```

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

```

<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++;
}

{
}

```

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

```

    ,
    : 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)));
}

{
}

```

```

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

```

## 6.12 OnAfterData

```

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

```

*PascalScript:*

```

if Value > 3000 then
    Mem01.Color := clRed

```

*C++ Script:*

```

if (Value > 3000)
    Mem01.Color = clRed;

```

*PascalScript:*

```

if <Table1."Field1"> > 3000 then
    Mem01.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

, " " " ".  
:

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

### 6.13.2 Engine

( FastReport, ).  
,

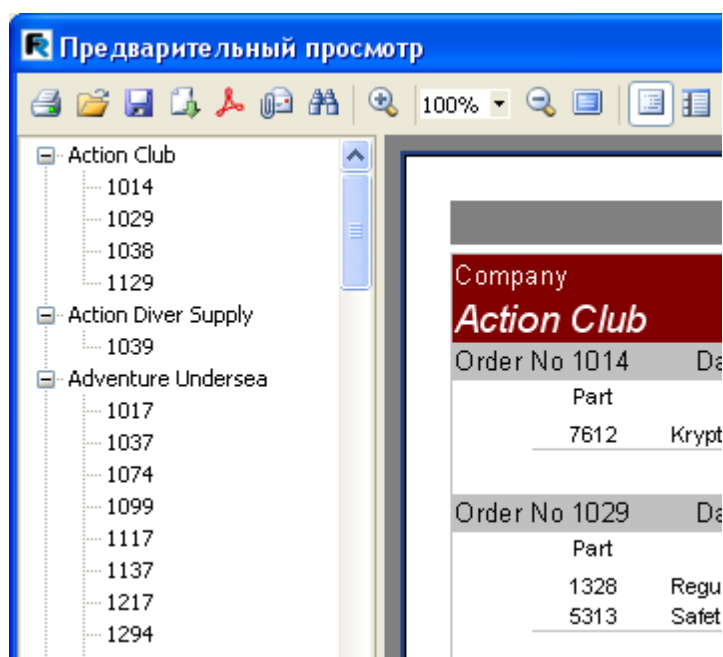
CurColumn	Integer	.
CurX	Extended	X. .
CurY	Extended	Y. .
DoublePass	Boolean	True, Report.EngineOptions.DoublePass. .

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

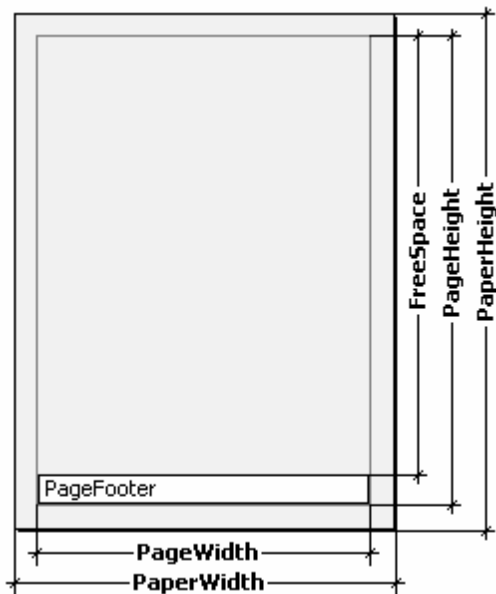


Report.PreviewOptions.OutlineVisible = True.  
: Report.PreviewOptions.OutlineWidth.

<b>procedure</b> AddItem( <b>const</b> 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  
 ,  
 ,  
 " ( )  
 ,  
 ,  
 X Y.  
 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	924-475-1171
Adventure Undersea	Glenn Gonzales	911-342-8844
American SCUBA Supply	Cynthia Cipriani	713-654-0094
Aquatic Drama	Cyril Owen	613-771-0024
Blue Glass Happiness	Christine Taylor	913-825-1884
Blue Jack Aqua Center	Ernest Barratt	401-609-7623
Blue Sports Club	Theresa Kunec	819-222-6204

```

:
```

### *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();
}
```

Engine.NewColumn

## 6.15

© 1998-2016 " "

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">);
}

```

```

        ,
        .
        ,
        ,
        "
        "
        ,
        Engine.GetAnchorPage.
        ,
        ,
        "
        ".
        .
        .

```

## 6.16

## Outline

```

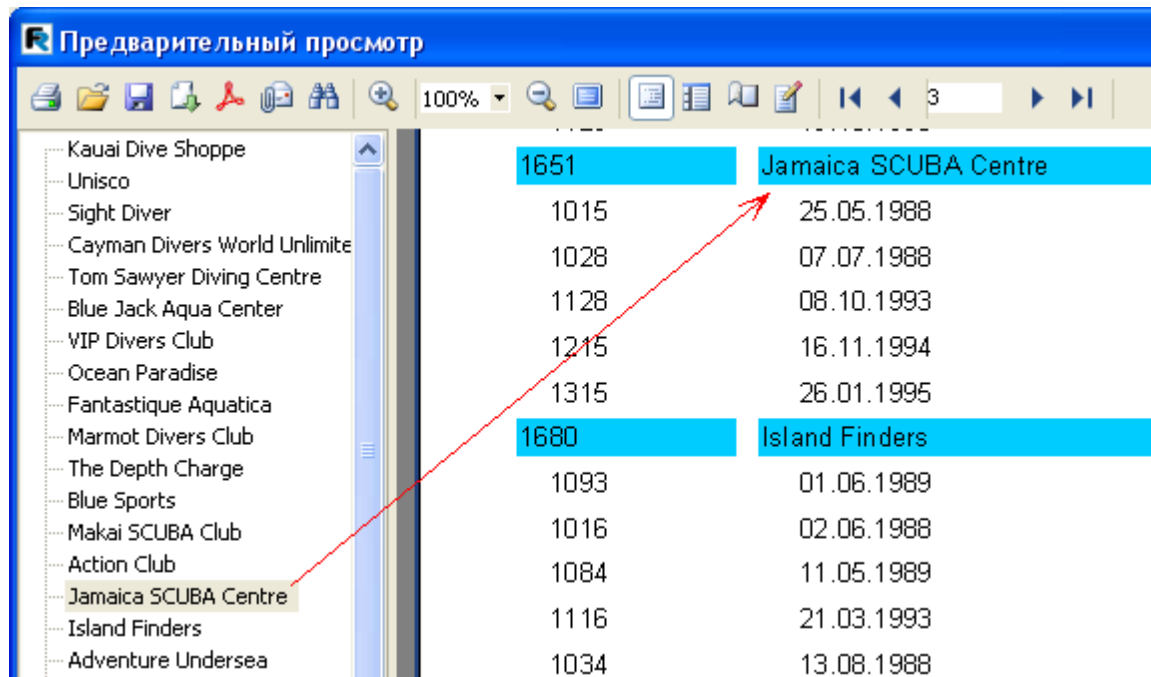
Outline,
,
.
,
Outline
,
Outline,
.
OutlineText,
-
.
.
,
(
-
).
,
.

```

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

```

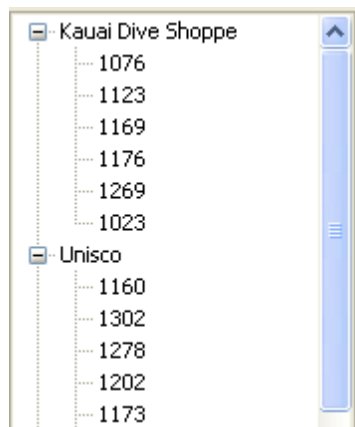
GroupHeader1.OutlineText
<Group."Company">.
:
```



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.



## OnManualBuild

FastReport.

```

    FastReport
    OnManualBuild,
    FastReport
    " " " " " "
    " " " " " "
    /
OnManualBuild -
    -
    /
    OnManualBuild
    FastReport
    :
    ,
    ,
    master
data,
    :

```

<b>ReportTitle:</b> ReportTitle1	
[ OnManualBuild test ]	
<b>MasterData:</b> MasterData1	
MasterData1	
<b>MasterData:</b> MasterData2	
MasterData2	
<b>PageFooter:</b> PageFooter1	

6

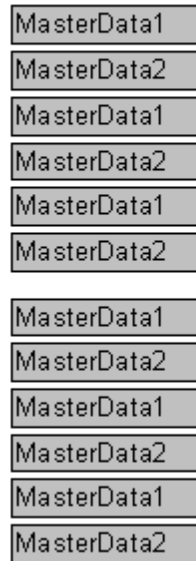
*PascalScript:*

```
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;
end;

```

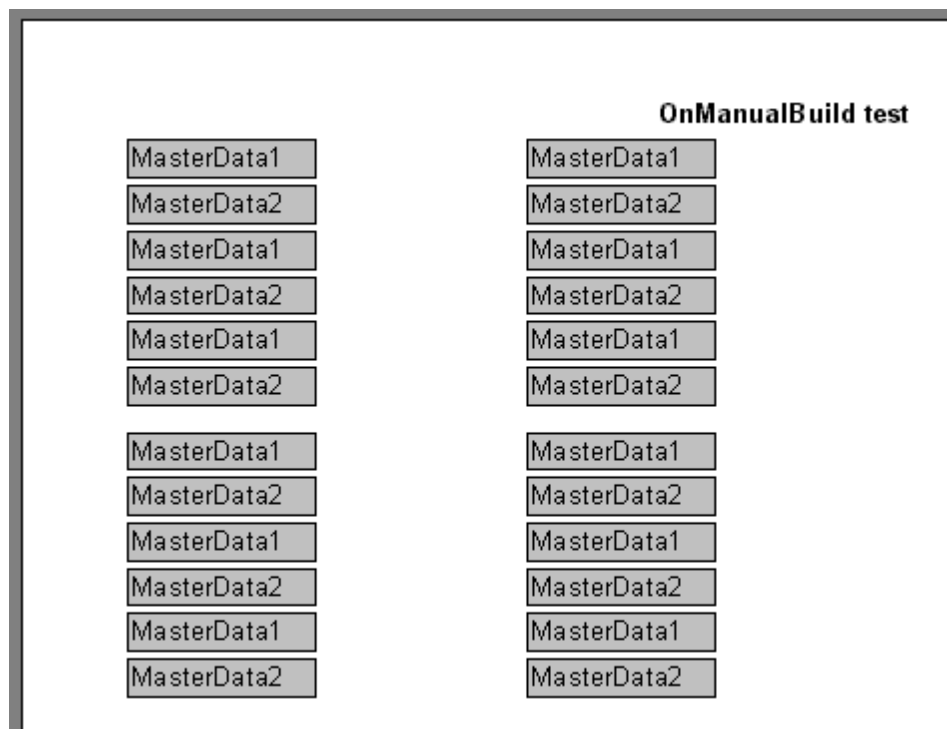
*C++Script:*

```

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.

- .

ReportTitle: Band1		
Customers		
PageHeader: Band2		
Company	Contact	Phone
MasterData: MasterData1		
Customers."Company"	Customers."Contact"	Customers."Ph
PageFooter: 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(Page1);
  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(Page1);
  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
....		

Delphi,

TTable, TfrxDBDataSet, TfrxReport

:

Table1:

*DatabaseName = 'c:\Program Files\FastReports\FastReport 3\Demos\Main'*

*TableName = 'crosstest.db'*

DatabaseName

FastReport!

frxDBDataSet1:

*DataSet = Table1*

*UserName = 'SimpleCross'*

TfrxCrossObject



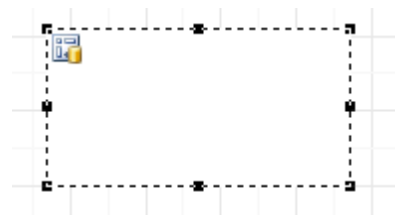
FastReport.

"uses"

frxCross -

" | ..."

" - " 



:

Редактор Cross-tab

Данные

SimpleCross

- Month
- Days
- Salary

Структура таблицы

Year

4

Name

3

Salary

5

Выберите стиль

Salary	Year	
Name	[Year]	Grand Total
[Name]	0	0
Grand Total	0	0

6

7

- ☒ 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 –

2 –

3, 4, 5;

3 –

4 –

5 –

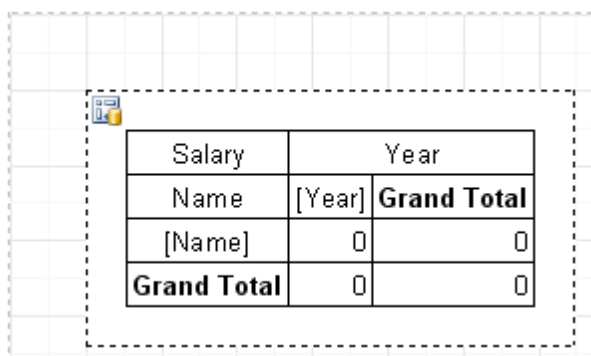
6 –

7 –

2

3, 4, 5,

:



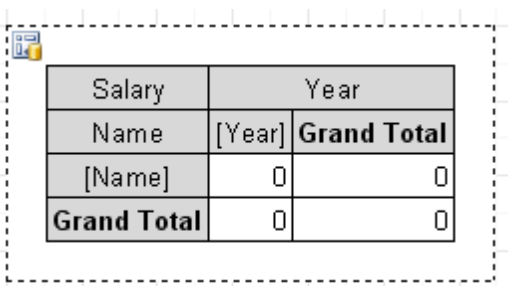
Salary	Year	
Name	[Year]	Grand Total
[Name]	0	0
Grand Total	0	0

, :

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

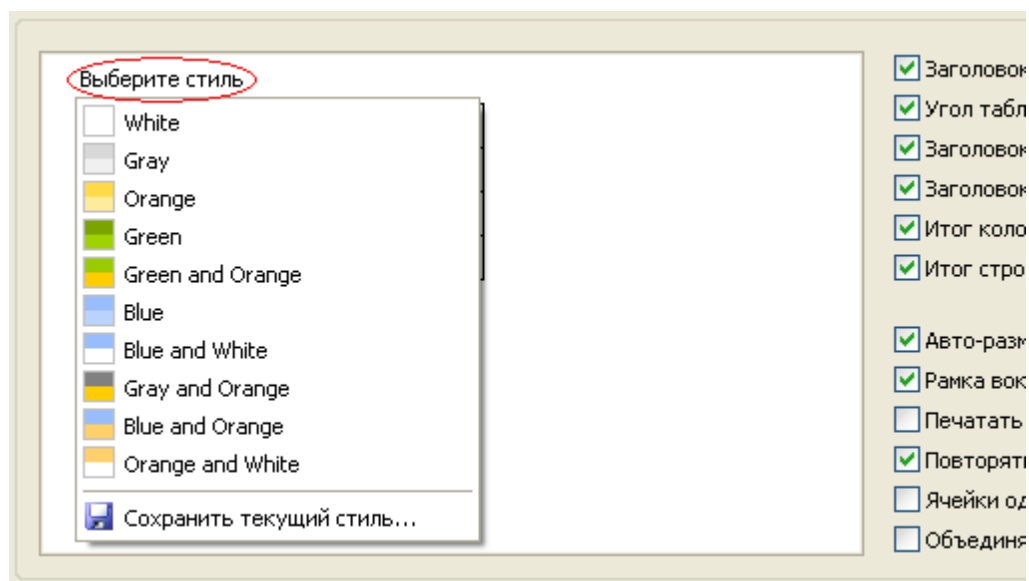
## 7.2

:



Salary	Year	
Name	[Year]	Grand Total
[Name]	0	0
Grand Total	0	0

" ":



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

[Year] [Name]),

"

...".

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

Редактировать...

Форматирование...

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

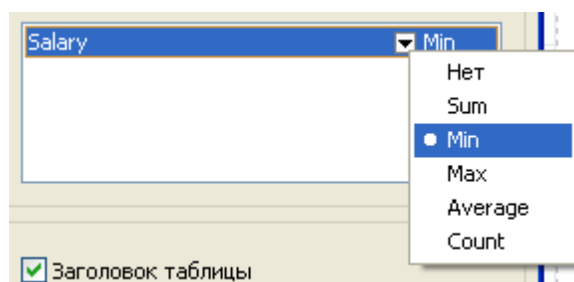
" "

:

MIN –  
 MAX –  
 AVG –  
 COUNT –

MIN

"Salary"



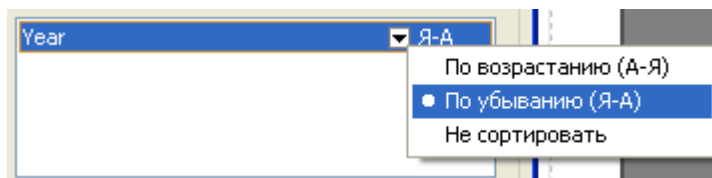
MIN.

" " " " :  
 " " " " " "

Зарплата	Год				
Сотрудник	1999	2000	2001	2002	Минимум
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				
Сотрудник	2002	2001	2000	1999	Итого
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.




## 7.5

Name	Year	Month	Days	Salary
Ann	1999	2	3	1000
Ben	2002	1	5	2000
....				

– Month Days,

"Month":

Структура таблицы

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

"Total" " " "Grand total"

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
Итого	1000	4900	6200	1200	13300	5299	3500	3200	11999	4000	5600	1600	11200	3500	3500	39999

FastReport

"Year"

Year

Month

☒ Подитоги

▼

А-Я

▼

А-Я

[Value]

"Value"

Зарплата	Год, Месяц								
Сотрудник	1999					2000			
	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					
Сотрудник	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

).

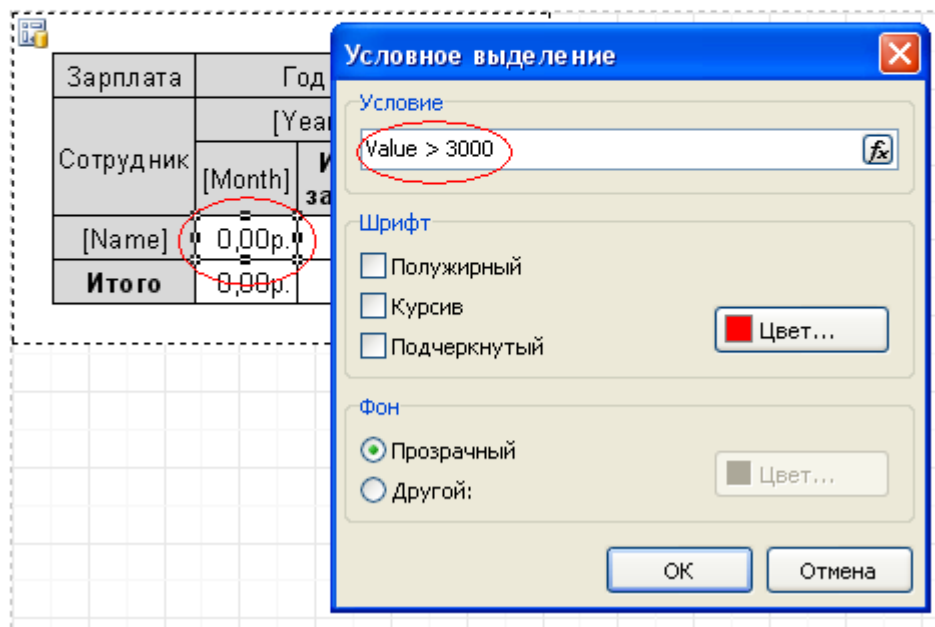
Зарплата	Год, Месяц		
Сотрудник	[Year]		Итого
	[Month]	<b>Итого за [Year]</b>	
[Name]	0	0	0
<b>Итого</b>	0	0	0

Зарплата	Го				
Сотрудник	1999				
	2	10	11	12	Итого за 1999
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					
	2	10	11	12	Итого за 1999	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( <b>const</b> 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 );

```

*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
    OnPrintCell,
    " " ( HeaderIndexes, HeaderValues) .
    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	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>

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]	[Column2]	Grand 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						
Employee	2001				2002		Grand Total
	1	2	3	Total	1	Total	
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

? , - ,  
 ( ) -  
 ,  
 ,  
 :

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.  
 " - "  
 :

Структура таблицы

	Year	▼ А-Я
Name	▼ А-Я	Salary
		▼ Sum

" - " (AutoSize).

Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
Итого	0,00р.	0,00р.

" / "

Объект "Линия"

- Диагональная линия
- Диагональная линия
- Диагональная линия
- Диагональная линия
- Прямоугольник**
- Скругленный прямоугольник
- Эллипс
- Треугольник
- Ромб

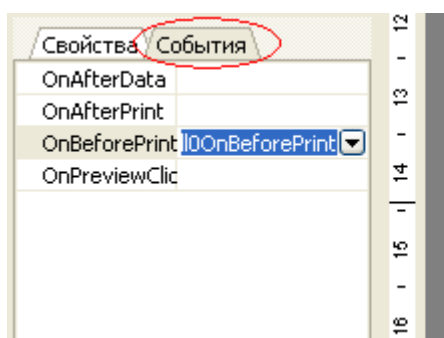
Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
Итого	0,00р.	0,00р.

:



Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
Итого	0,00р.	0,00р.

OnBeforePrint:



Зарплата	Год	
Сотрудник	[Year]	Итого
[Name]	0,00р.	0,00р.
Итого	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;  
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	Год				
Сотрудник	1999	2000	2001	2002	Сумма
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) " , " - :

1			3		
Salary			Year		
Employee	1999	2000	2001	2002	Grand Total
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.
2			4		
Grand Total	13 300,00p.	11 999,00p.	6 200,00p.	3 500,00p.	39 999,00p.

2) " , " - :

1		2	
	Salary		Year
	Employee		1999 2000 2001 2002 Grand Total
	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.
3	Grand Total	4	13 300,00p 11 999,00p 3 200,00p 3 500,00p. 39 999,00p.

" " ,

,

.

" " ,

, (

)

" "

, .

:

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

:

- AddWidth, AddHeight - ,

---

```
.
    .
    AutoSize      True;
- NextCross -    " - ",
;
- NextCrossGap - .
```



,

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

....

Delphi.

TTable,

TfrxDBDataSet, TfrxReport

:

Table1:

*DatabaseName = 'DBDEMOS'*

*TableName = 'country.db'*

frxDBDataSet1:

*DataSet = Table1*

*UserName = 'Country'*

"

|

..."

"

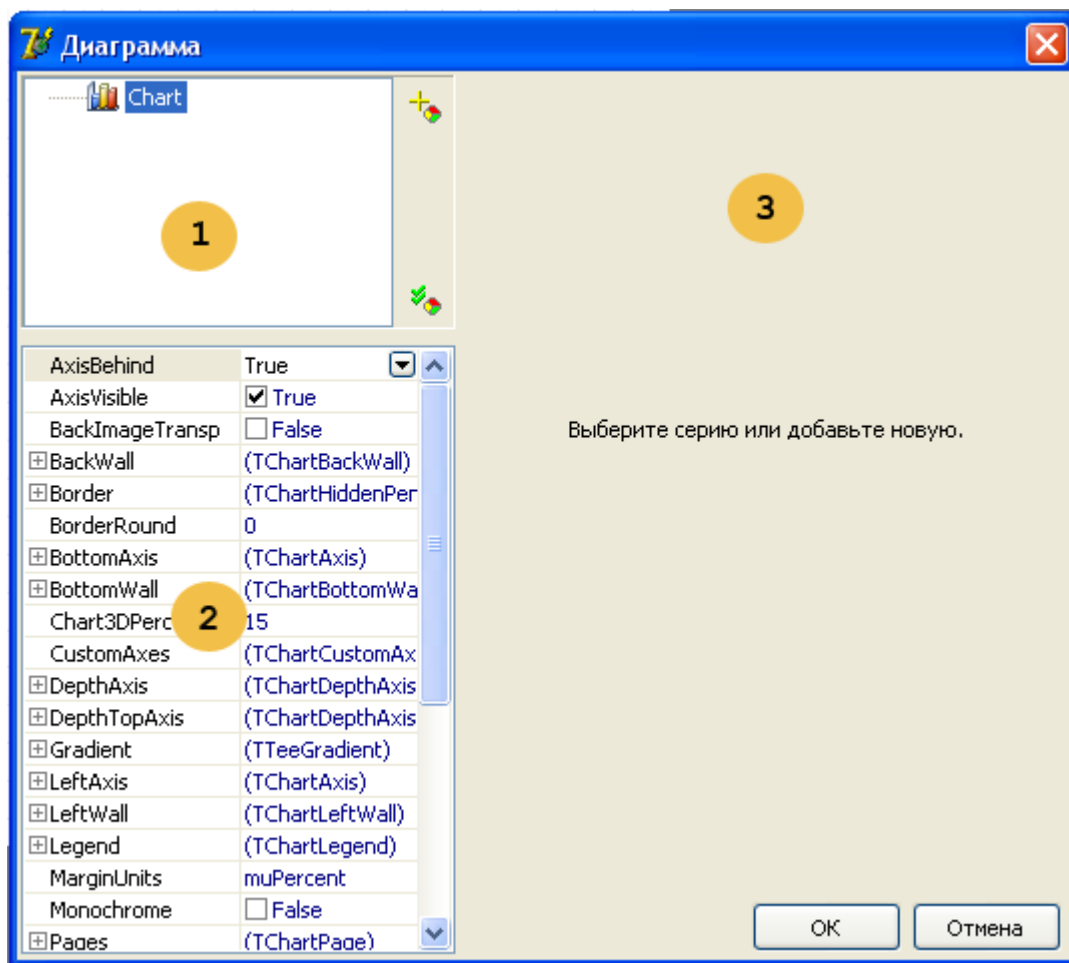
"



- 18 8 .

,

.



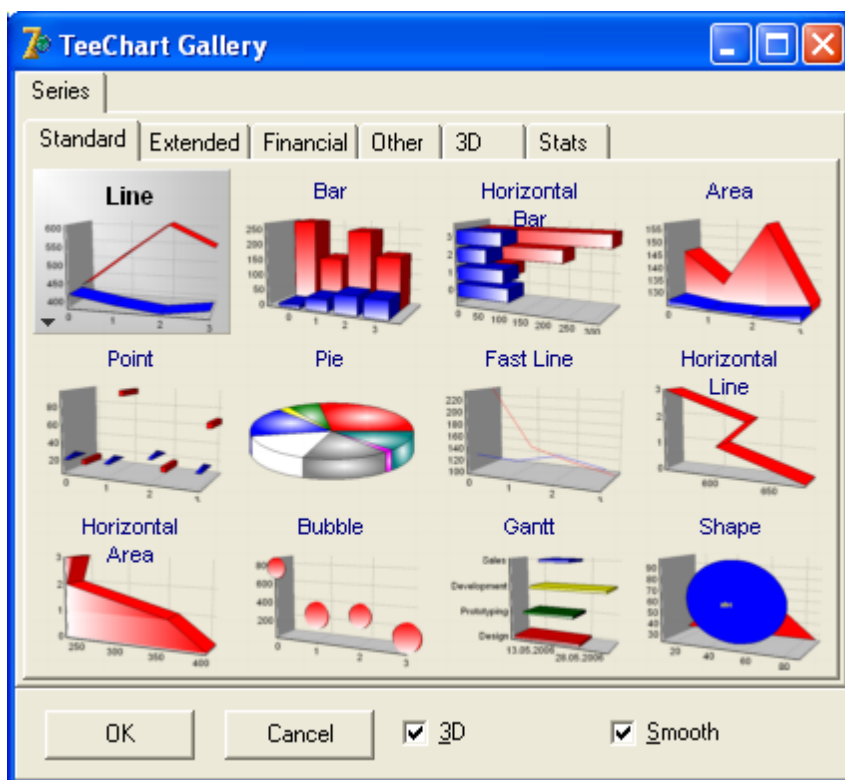
1 –  
(series).

2 –

3 –

1.





3

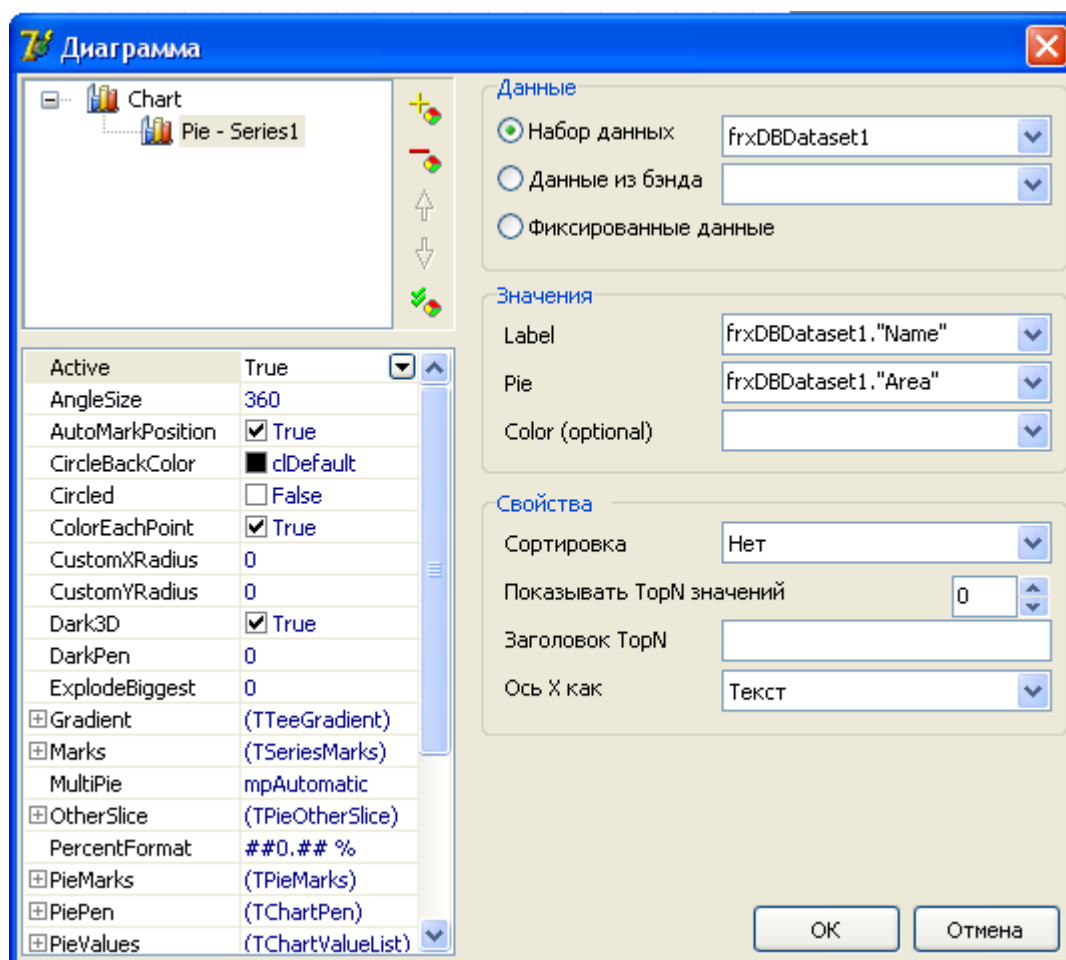
"

"

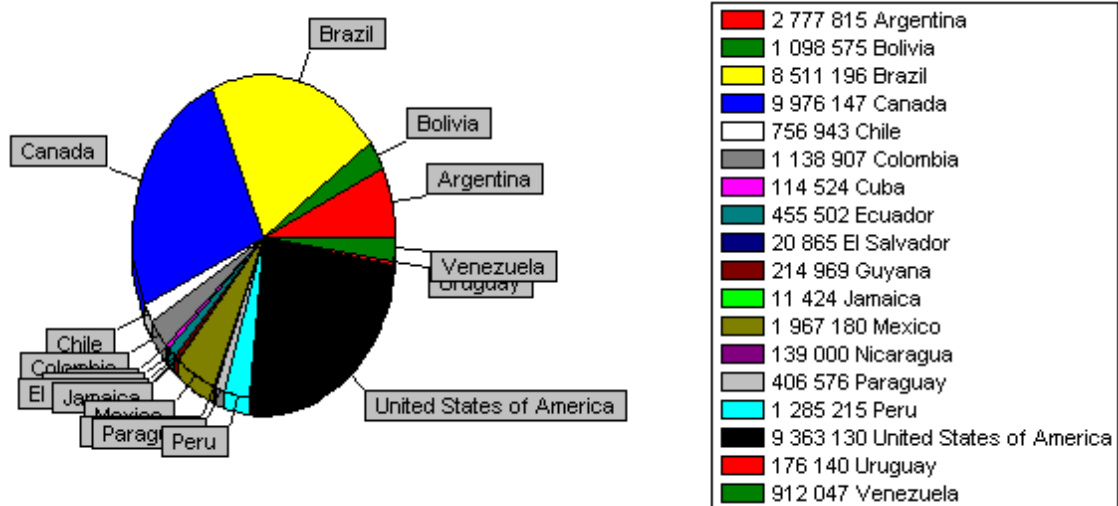
"Label"

"Pie"

:



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



? - ,

:

Свойства

Сортировка

, ,

## 8.1

FastReport

18

8

Свойства

Сортировка

По убыванию

Показывать TopN значений

8

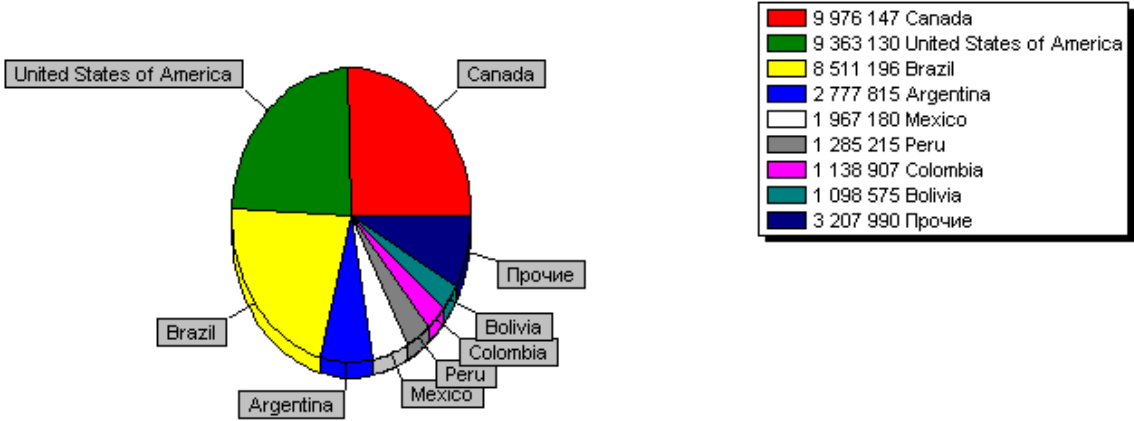
Заголовок TopN

Прочие

Ось X как

Текст

"TopN" "TopN"



8.2

- Gradient - Gradient.Visible.
- Legend - Legend.Visible.  
Legend.Alignment.

- ColorEachPoint –
- ExplodeBiggest –
- Marks –
- ValueFormat –

TeeChart Pro,

### 8.3

Данные

☐ Набор данных
 ☐ Данные из бэнда
 ☒ Фиксированные данные

Значения

Label

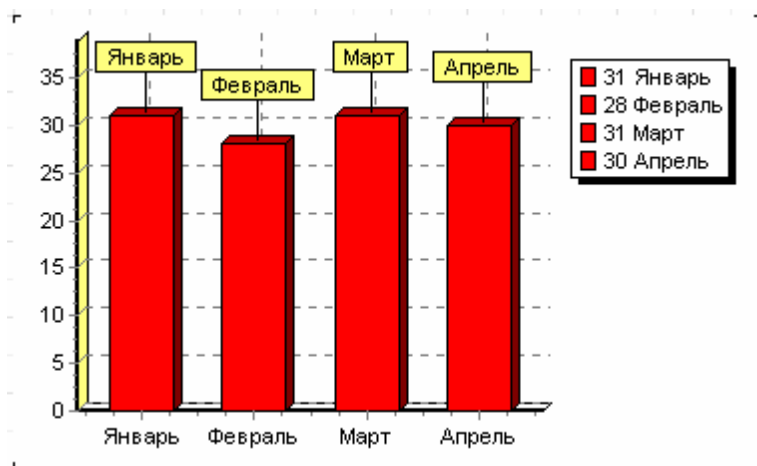
Январь;Февраль;Март;Апр

Y

31;28;31;30

X (optional)





## 8.4

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[ \_ ].

## 8.5

## 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 – .





FastReport

( , , ).  
:

- ( ) - ;
- , ;
- , .

## 9.1

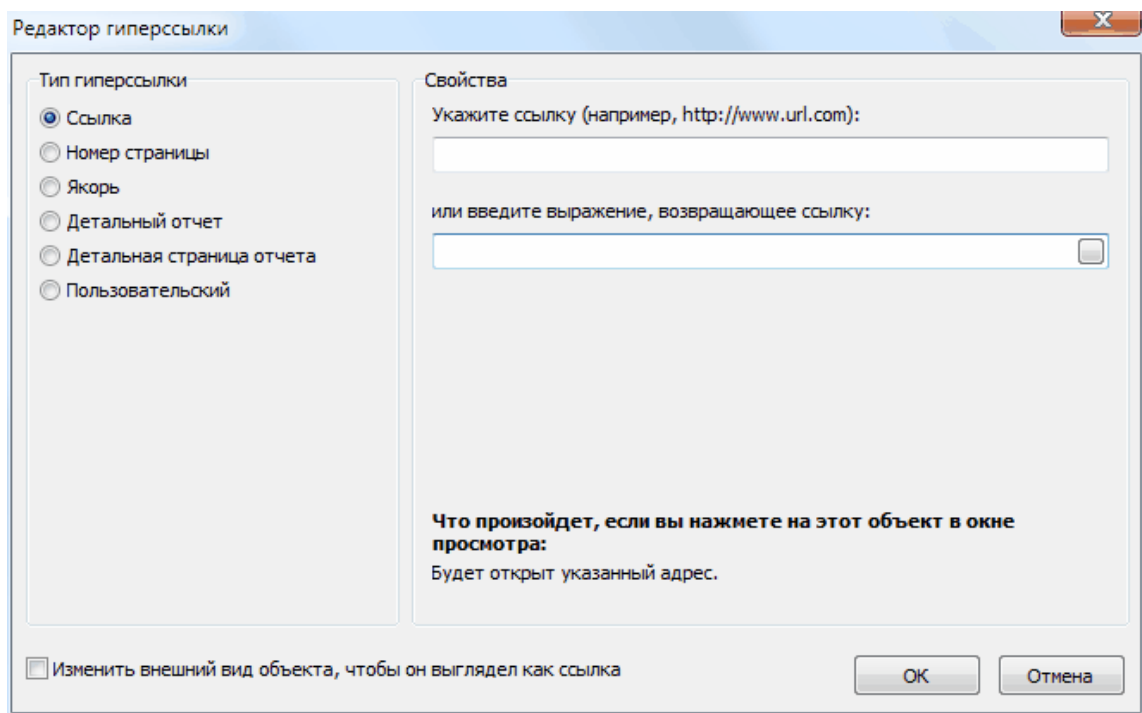
" " (Hyperlink),

, .  
:

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

## 9.2

,  
' " ... " :  
:



• , " . ... "

• :

• ( Cursor) .

• ,

"Visibility". " . "

## 9.3

## URL

• , :

• ;

• - , , "mailto:"

• :

• , , "http://www.fast-report.com";

• ,

## 9.4

,  
 .  
 1).  
 :  
 • , 1;  
 • , .  
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## 9.5

, ,  
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 .  
 Engine.AddAnchor. " /  
 ".  
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## 9.6

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9.7

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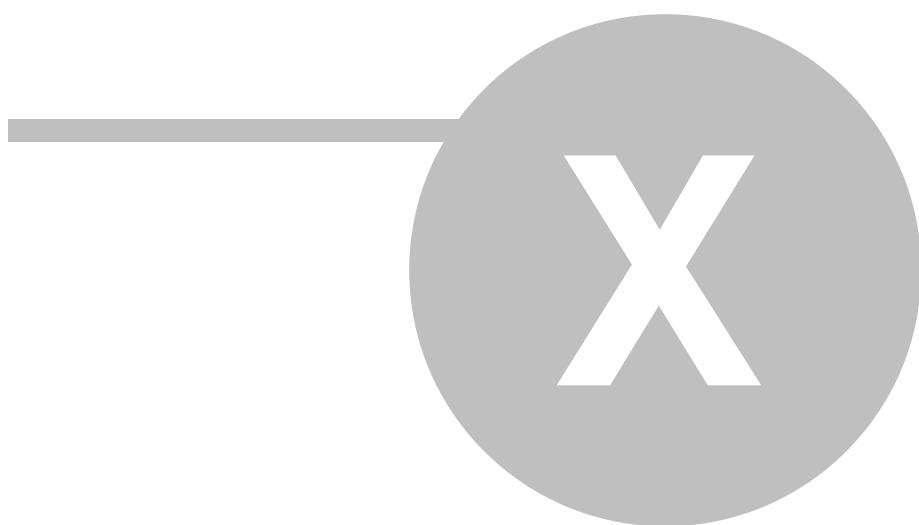
• , .

, Visible false.

, .

## 9.8

· , "OnClick" ,  
·

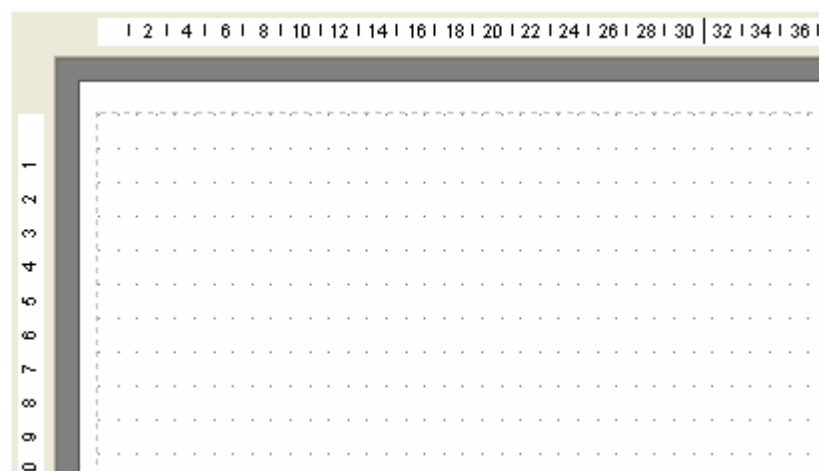
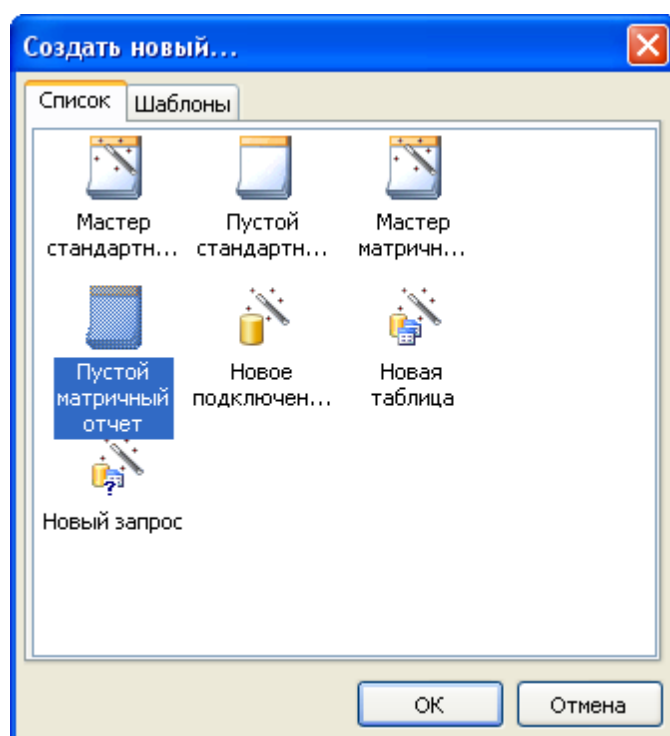


Delphi,  
TTable, TfrxDBDataSet, TfrxReport, TfrxDotMatrixExport :

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

TfrxDBDataSet:  
*DataSet = Table1*  
*UserName = 'Customers'*

« »:  
“ | ...”.



« », « », « », «ESC- », « - ».





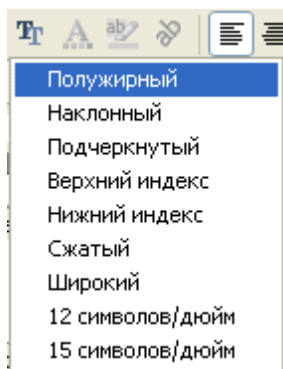
Report title, Page header, Master data:

<b>ReportTitle:</b> ReportTitle1
.....
.....
<b>PageHeader:</b> PageHeader1
.....
<b>MasterData:</b> MasterData1
.....

« » :

<b>ReportTitle:</b> ReportTitle1		
.....		
[Клиенты]		
<b>PageHeader:</b> PageHeader1		
[Наименование]	[Адрес]	[Телефон]
<b>MasterData:</b> MasterData1		
[Customers."Company"]	[Customers."Addr1"]	[Customers."..."]

,  
 ,  
 .  
 « »   
 ,  
 :



### 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

## 10.1

**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

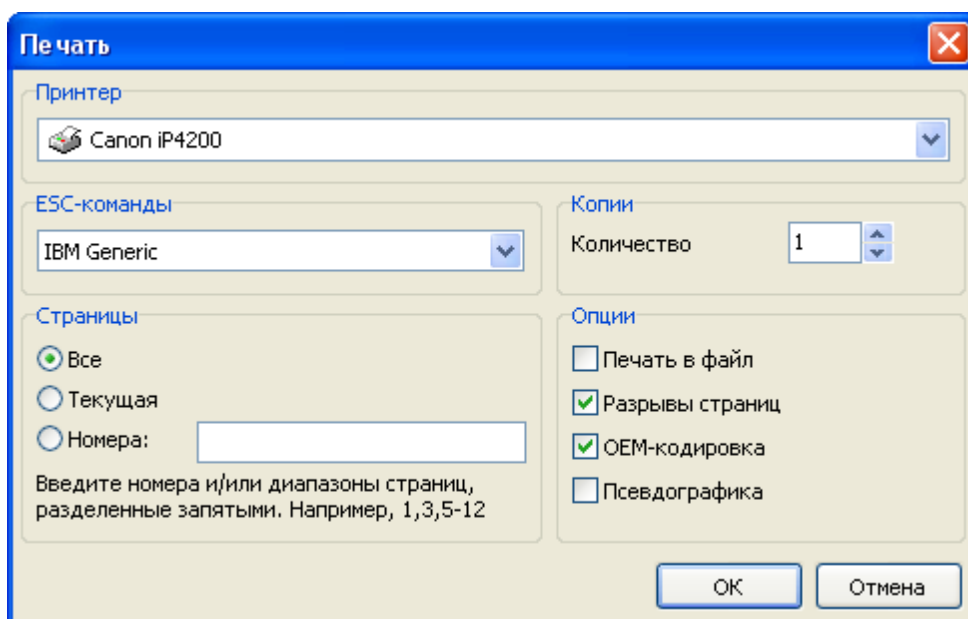
- ☒ Заголовок таблицы
- ☒ Угол таблицы
- ☒ Заголовок колонки
- ☒ Заголовок строки
- ☒ Итог колонки
- ☒ Итог строки
- ☒ Авто-размер
- ☒ Рамка вокруг ячеек
- ☐ Печатать вниз, потом вбок
- ☒ Повторять заголовки на новой странице
- ☐ Ячейки одной строкой
- ☐ Объединять одинаковые ячейки

OK Отмена

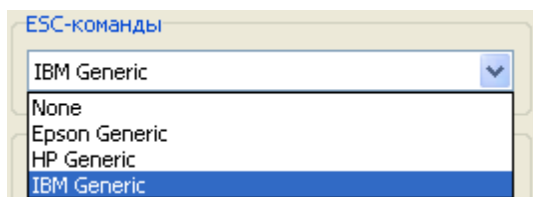
Зарплата	Год				
Сотрудник	1999	2000	2001	2002	Итого
Ann	3300	2700	3100	1700	10800
Ben	3900	2100		1800	7800
Catherine	6100	3200			9300
Den		3999	8100		12099
Итого	13300	11999	11200	3500	39999

## 10.2

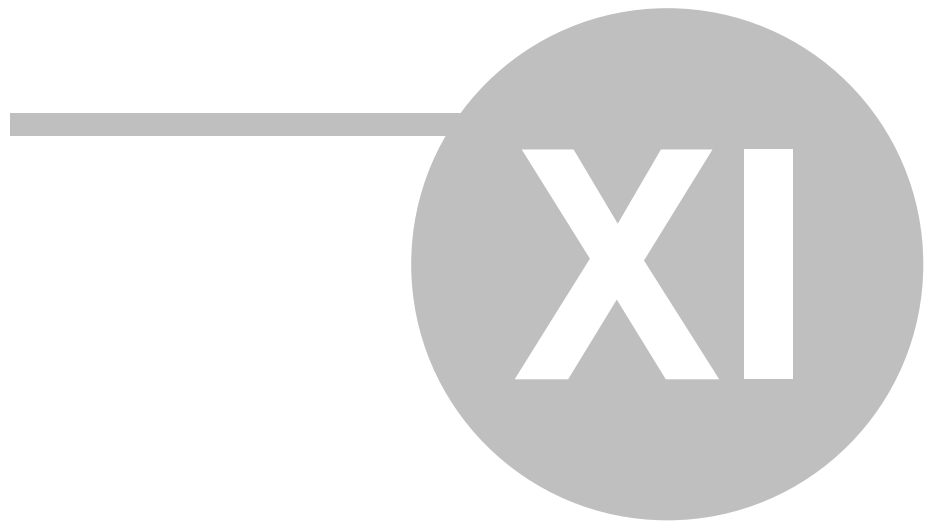
,  
,  
TfrxDotMatrixExport  “FastReport 4.0”.

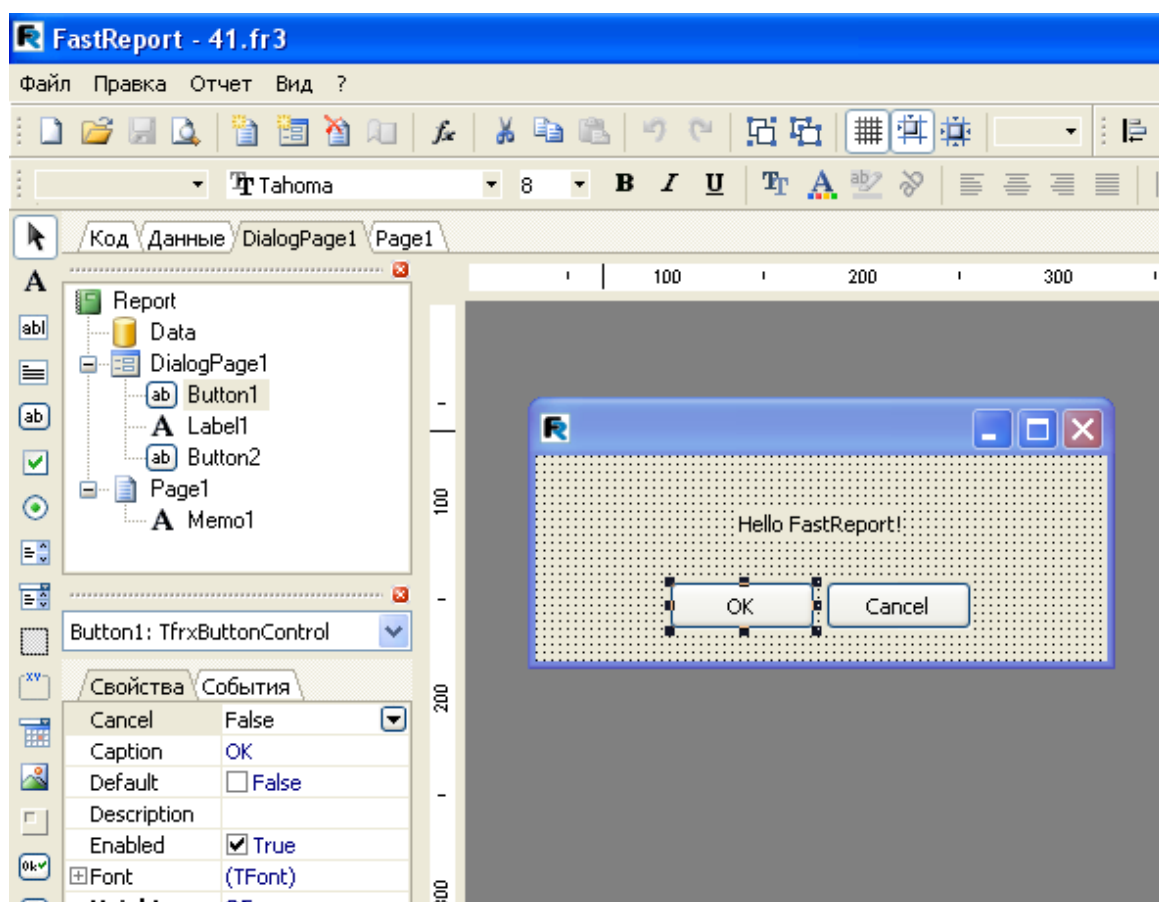


(ESC- ). :



- — , «  
»  
· ,  
;  
- - — , ;  
- — , .  
-, |, +.

















## 11.1

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.

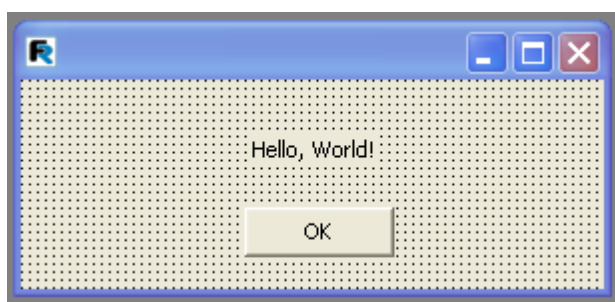
## 11.2 "Hello, World!"

Delphi,

FastReport

: TfrxReport, TfrxDialogControls.  
TfrxReport  
TfrxLabelControl,

TfrxButtonControl:



TfrxLabelControl:  
*Caption = 'Hello, World!'*

TfmxButtonControl:

*Caption = 'OK'*

*Default = True*

*ModalResult = mrOk*

BorderStyle = bsDialog. ,

Delphi.

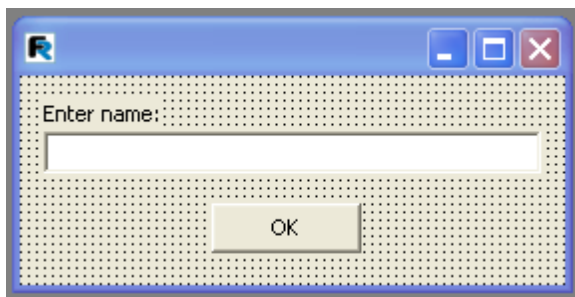


FastReport:

ModalResult = mrOk.  
mrOk.

ModalResult

## 11.3



:

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

,

.

,

,

.

## 11.4

,

,

,

.

:

.



"CheckBox" –  
 :

OnClick,

*PascalScript:*

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

*C++ Script:*

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

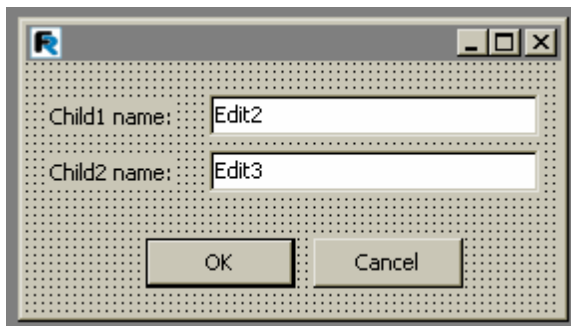
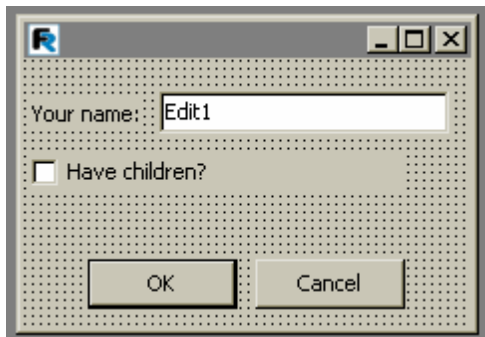
,

,

Delphi.

## 11.5

Name:	[Edit1.Text]
Child1 name:	[Edit2.Text]
Child2 name:	[Edit3.Text]



```

    OK    Cancel    ModalResult (mrOk    mrCancel
    ).
    (    ,    ),    -
    (    ).
    FastReport -
    ,
    ModalResult = mrOk).
    (    Cancel    ),

```

## 11.6

```

,
    "Have children"
    ,
    OnClick
    (
    ,
    ):

```

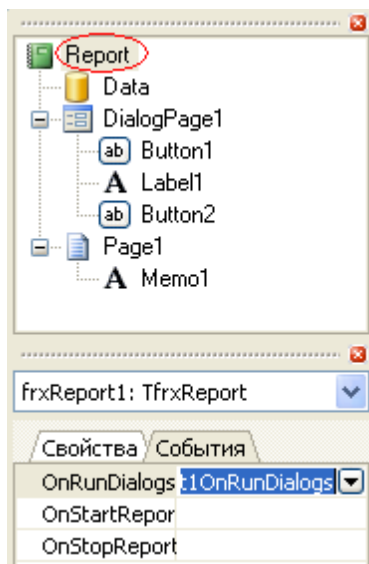
*PascalScript:*

```
procedure Button1OnClick(Sender: TfrxComponent);  
begin  
    DialogPage2.Visible := CheckBox1.Checked;  
end;
```

*C++Script:*

```
void Button1OnClick(TfrxComponent Sender)
{
    DialogPage2.Visible = CheckBox1.Checked;
}
```

```
(DialogPage2),  
.  
. ,  
  
OnRunDialogs.  
Report  
" " . OnRunDialogs  
:  
:
```



:

*PascalScript:*

```

procedure frxReport1OnRunDialogs(var Result: Boolean);
begin
    Result := DialogPage1.ShowModal = mrOk;
    if Result then
    begin
        if CheckBox1.Checked then
            Result := DialogPage2.ShowModal = mrOk;
        end;
    end;
end;

```

*C++Script:*

```

void frxReport1OnRunDialogs(bool &Result);
{
    Result = DialogPage1.ShowModal == mrOk;
    if (Result)
    {
        if (CheckBox1.Checked)
            Result = DialogPage2.ShowModal == mrOk;
    }
}

```

:

CheckBox1  
Result = True,

; Result = False,



Delphi  
FastReport.

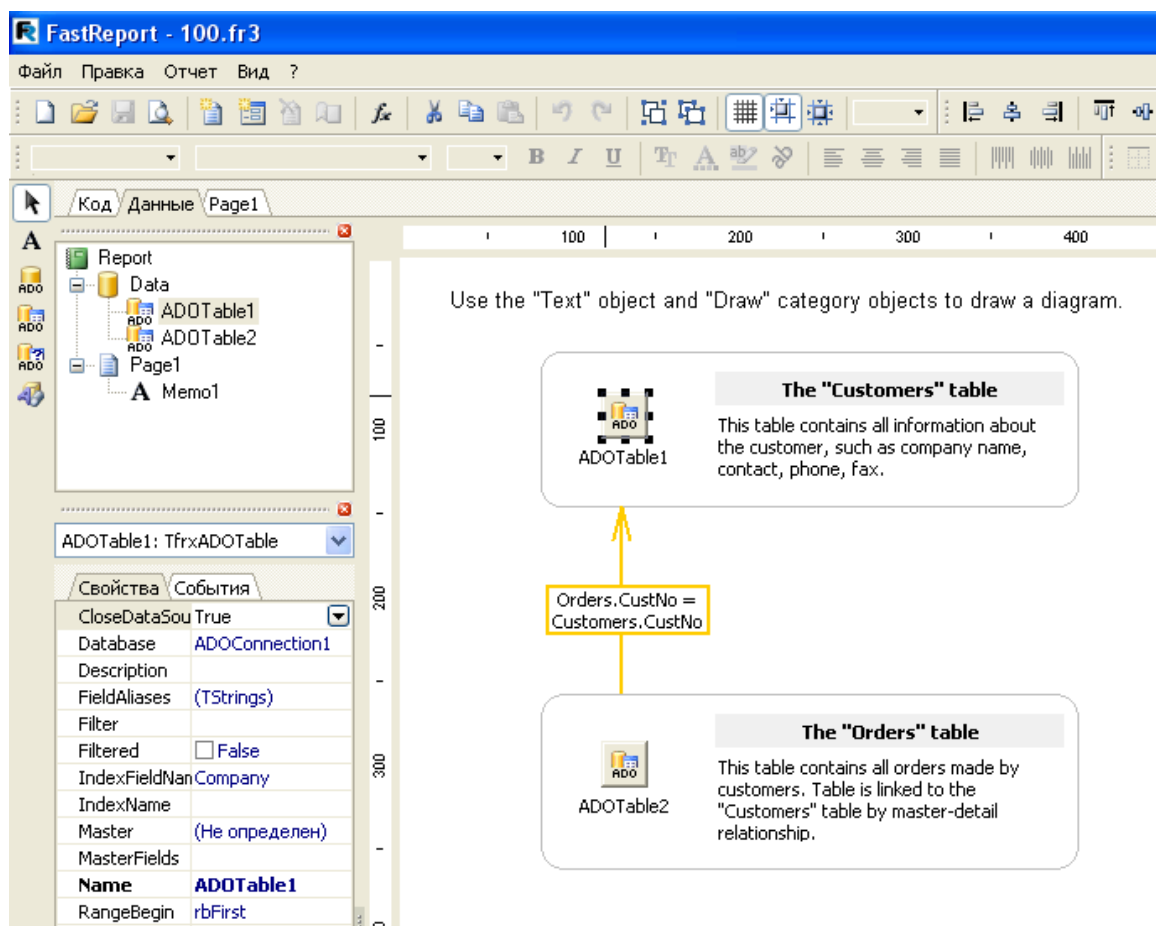
TTable TQuery,

TDataSet.

, FastReport  
run-time. FastReport

Delphi.


Delphi,









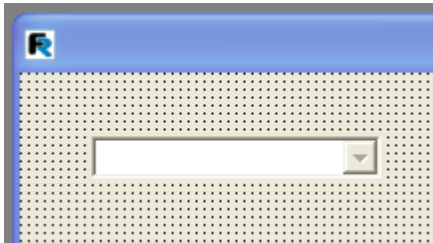
12.1

ADO. DBX, FIB FR BDE, IBX, .

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

	TfrxDBLookupComboBox	,
	TfrxADOTable	.
	TfrxADOQuery	SQL-
	TfrxADODataBase	.

12.1.1 TfrxDBLookupComboBox



:

DataSet	,

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

Text : DataSet, ListField KeyField.  
 Text KeyValue, KeyValue  
 .

### 12.1.2 TfrxADOTable

:

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

Delphi TADOTable.

Database     TableName.

Active := True

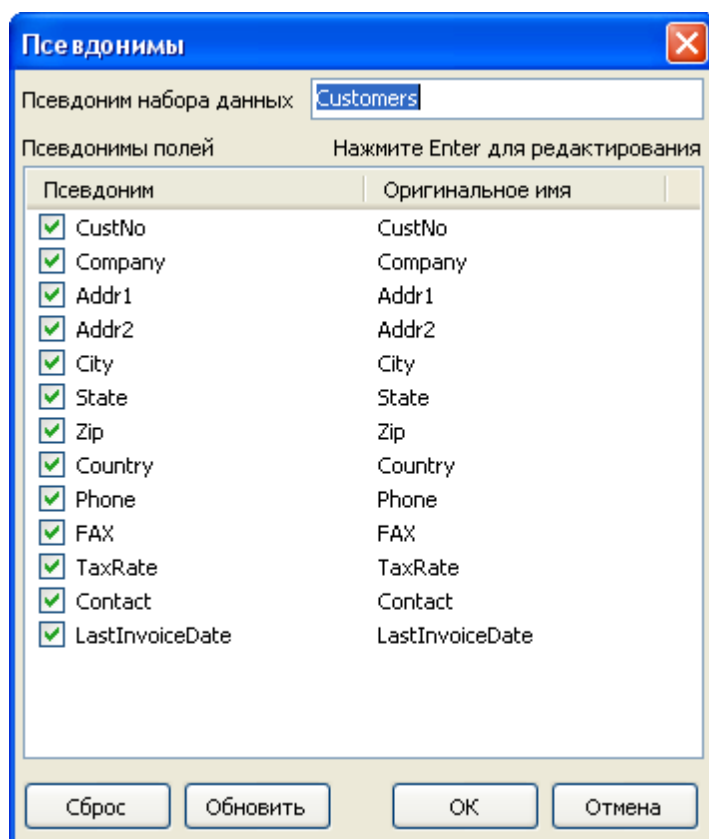
Open.

FieldAliases

,

,

.



MasterFields

master-detail

master-detail

Master

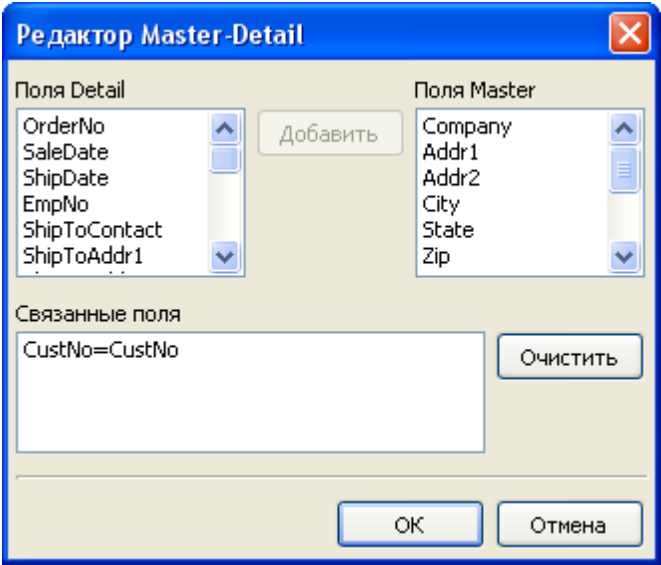
MasterFields

.

IndexName.

,

,



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

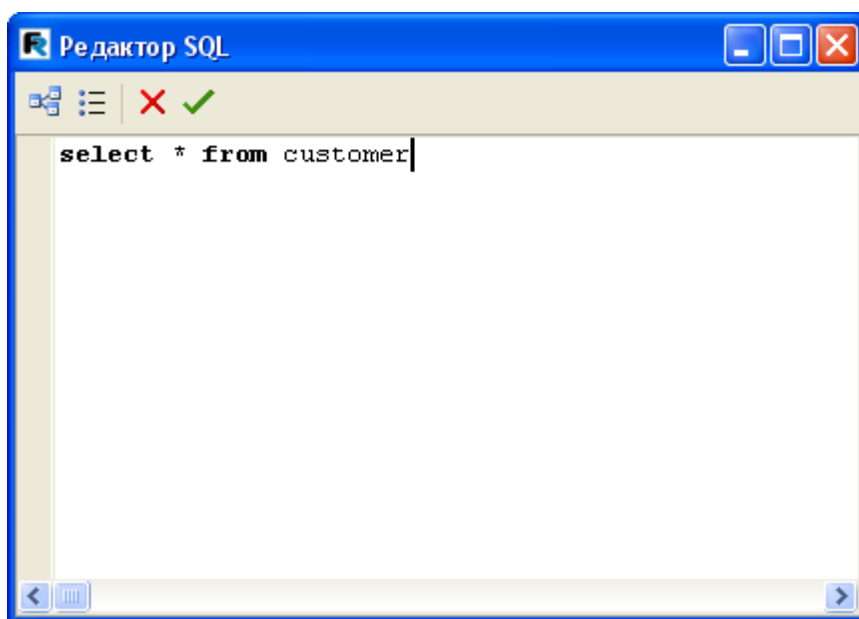
12.1.3 TfrxADOQuery

SQL-

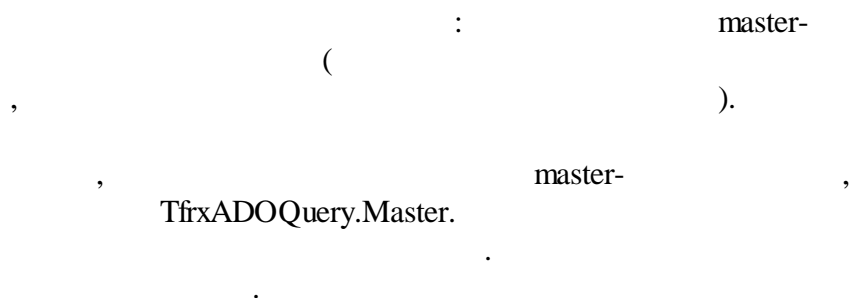
Database	( TfrxADODatabase).
FieldAliases	.
Filter	.
Filtered	, .
Master	- .
Params	.
SQL	.

UserName	( ) .
IgnoreDupParams	True, .

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



Params . ,



Delphi TADOConnection.

Connected	True, .
DatabaseName	.

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

```

LoginPrompt
    . LoginPrompt = False,

```

## 12.2

```

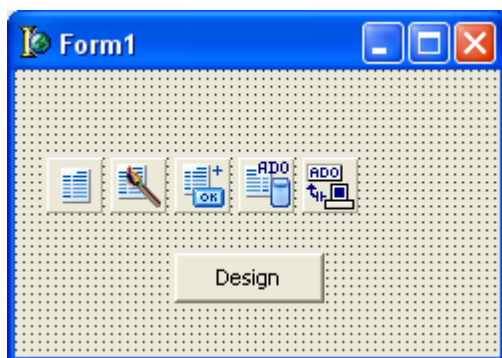
FastReport - {FR}\Demos\Main\demo.mdb.

```

```

Delphi
TfrxReport, TfrxDesigner, TfrxDialogControls, TfrxADOCcomponents,
TADOConnection.

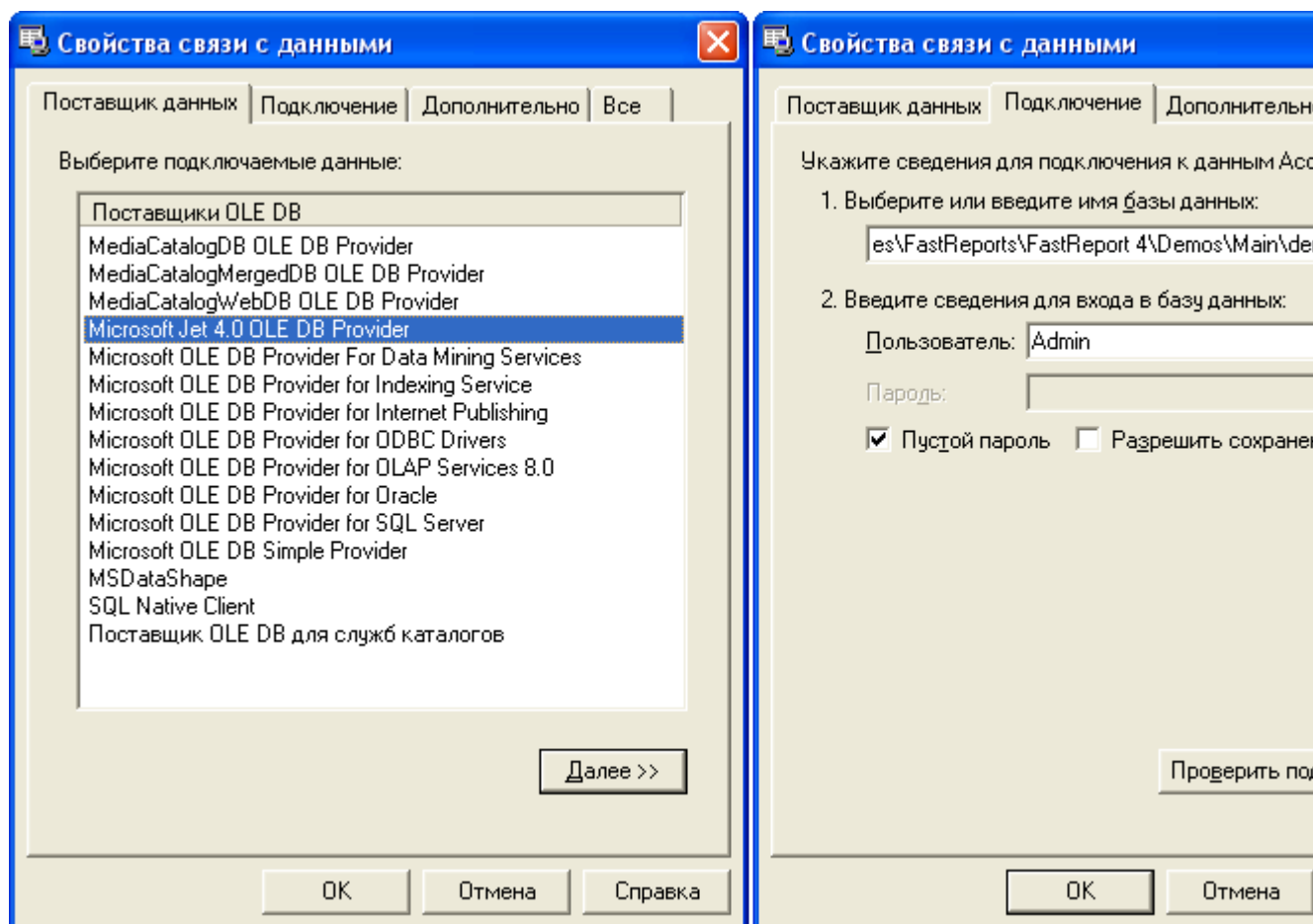
```



```

TADOConnection, "Build connection string"
:

```



:

ADOConnection1:  
*LoginPrompt = False*

frxADOComponents1:  
*DefaultDatabase = ADOConnection1*

"Design"

:

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

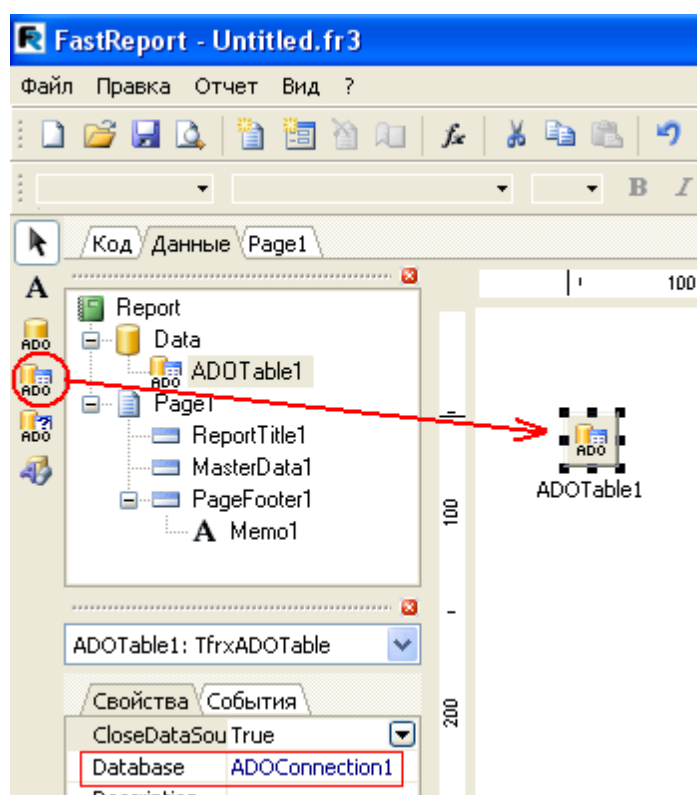
end-user



Design

## 12.3

FastReport  
"Page1".  
ADO":



Database -

DefaultDatabase

TfrxADOCcomponents.

*TableName = 'Customer'*

1

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



## 12.4

" ADO".

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

Label, Edit, Button:

*Caption* = ' ,      *CustNo* ' ,

*Text* = '2000'

```
Caption = 'OK'
ModalResult = mrOk
```

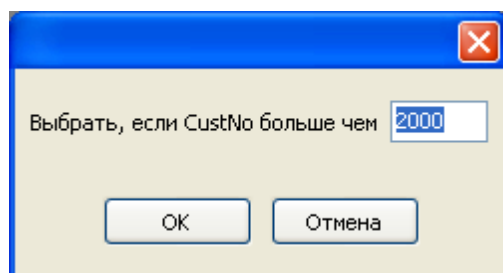
*Caption* = ''  
*ModalResult* = *mrCancel*

## Query

:



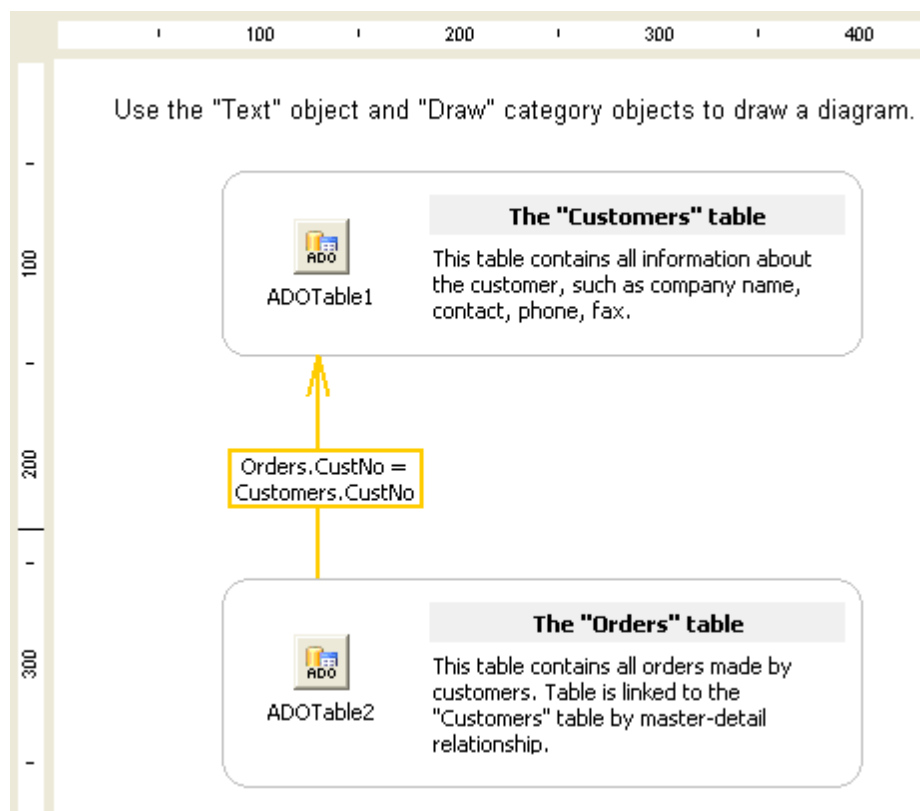
<b>MasterData: Band4</b>									
[ADOQuery1."Cust No"]	[ADOQuery1."Company"]								



## 12.5

" " " " " "

, :





### 3.1



наш email: [email@email.ru](mailto:email@email.ru)

## Клиент

Action Club  
Action Diver Supply  
Adventure Undersea  
American SCUBA Supply  
Aquatic Drama  
Blue Glass Happiness

**Телефон**

813-870-0239  
22-44-500211  
011-34-09054  
213-654-0092  
613-442-7654  
213-555-1984

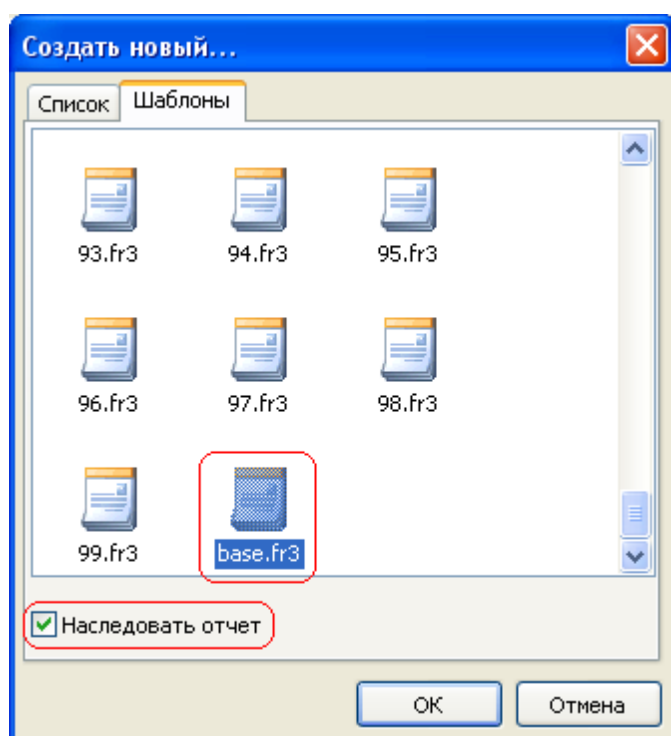


"base.fr3". ?

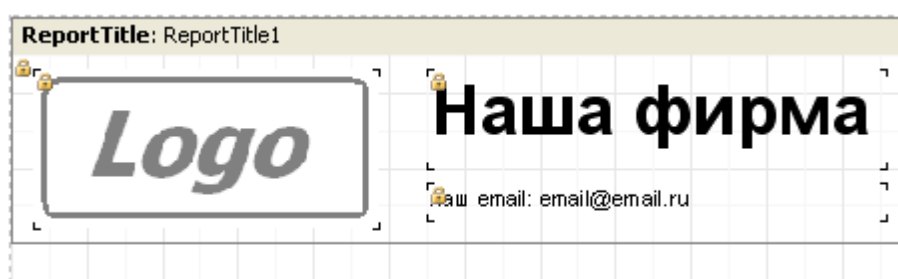
TfrxDesigner, TemplateDir.

```
" | ... "
base.fr3 , " . "
```






FastReport



**ReportTitle:** ReportTitle1

	<b>Наша фирма</b> Наш email: email@email.ru
---	--

**PageHeader:** PageHeader1

Клиент	Телефон
--------	---------

**MasterData:** MasterData1


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

## 13.2

( - base.fr3)  
email:

**ReportTitle:** ReportTitle1

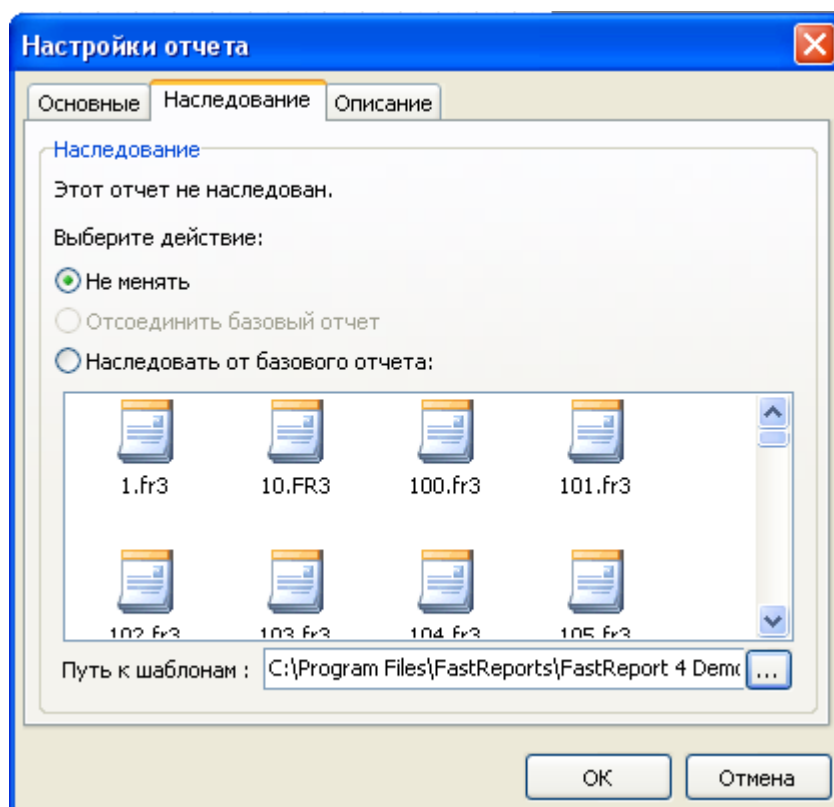
	<b>Наша фирма</b> Наш email: new_email@email.ru
---	--

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

, ? ,  
 ,  
 .  
 ,  
 ;  
 :  
 " — — " . , " "  
 "BaseMemo3".

### 13.3

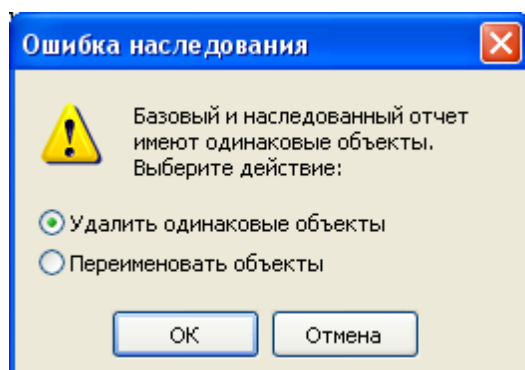
. ,  
 ? " |  
 , " "  
 ...":  
 :

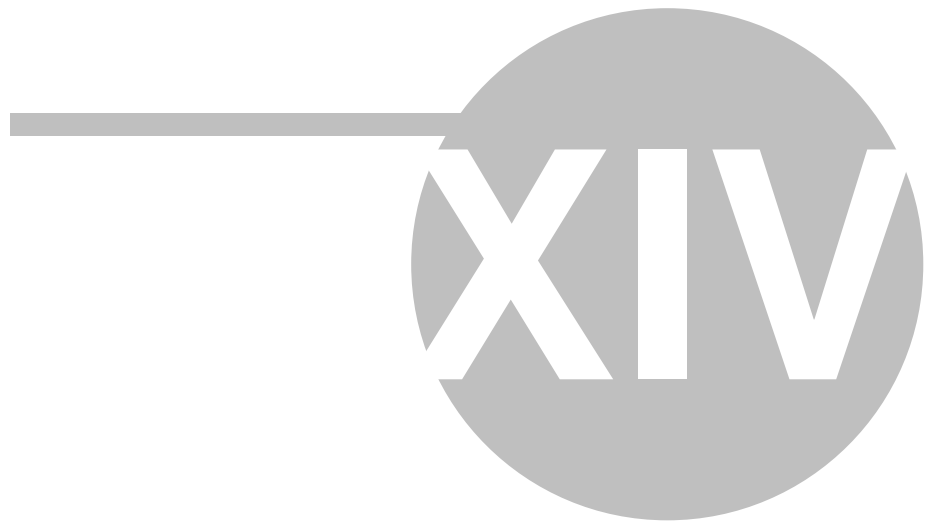


" "

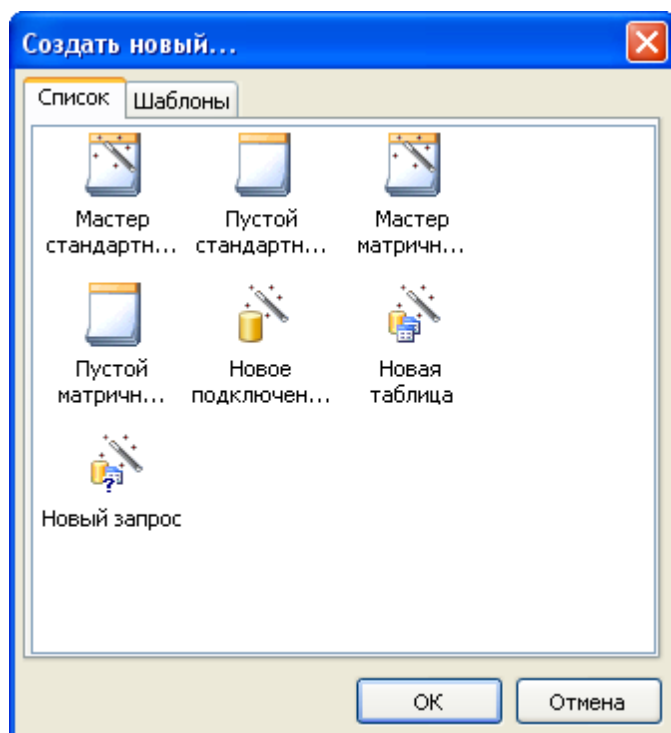
( , ... , .

). FastReport :





..


$$\vdots$$

—

( "

“ ”

11

$$),$$

•

"

” ”

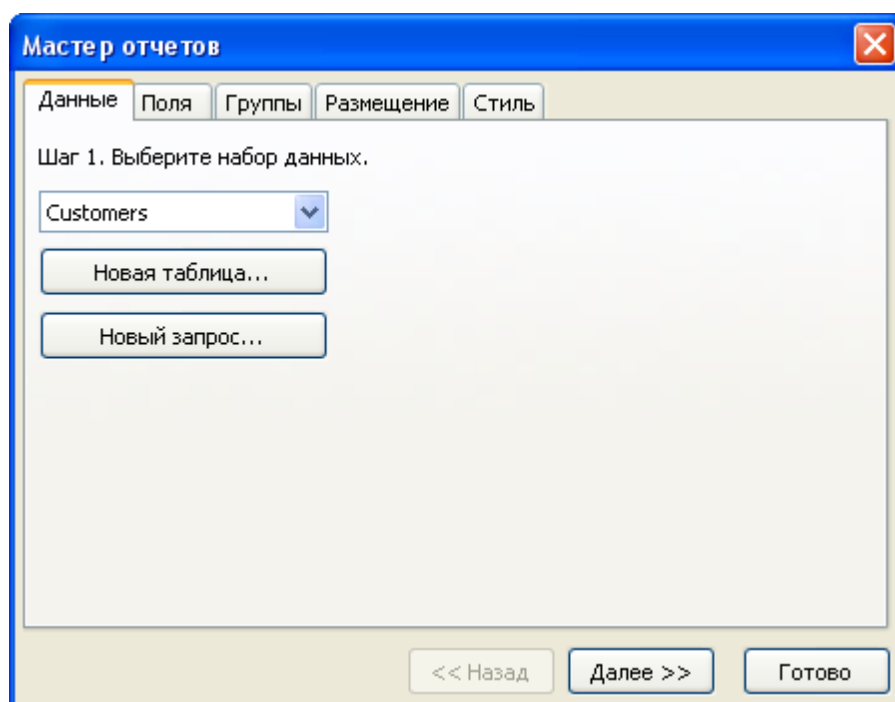
!!

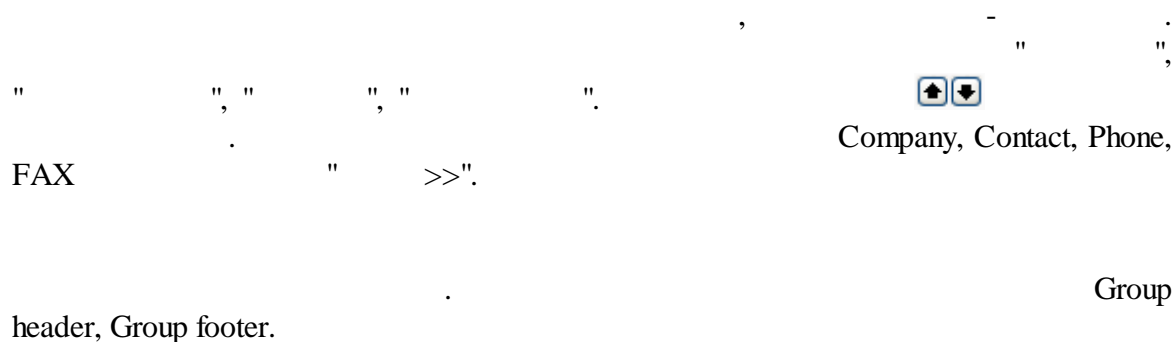
2

2

!!

!!







**Мастер отчетов**

Данные Поля Группы Размещение Стил

Шаг 3. Создайте группы (не обязательно).

Доступные поля:

- Company
- Contact
- Phone
- FAX

Группы:

Добавить >

< Удалить

<< Назад Далее >> Готово

- " >>".

:

**Мастер отчетов**

Данные Поля Группы Размещение Стил

Шаг 4. Выберите ориентацию листа и размещение данных.

Ориентация

☒ Портретная

☐ Альбомная

Размещение

☒ В виде таблицы

☐ В виде колонок

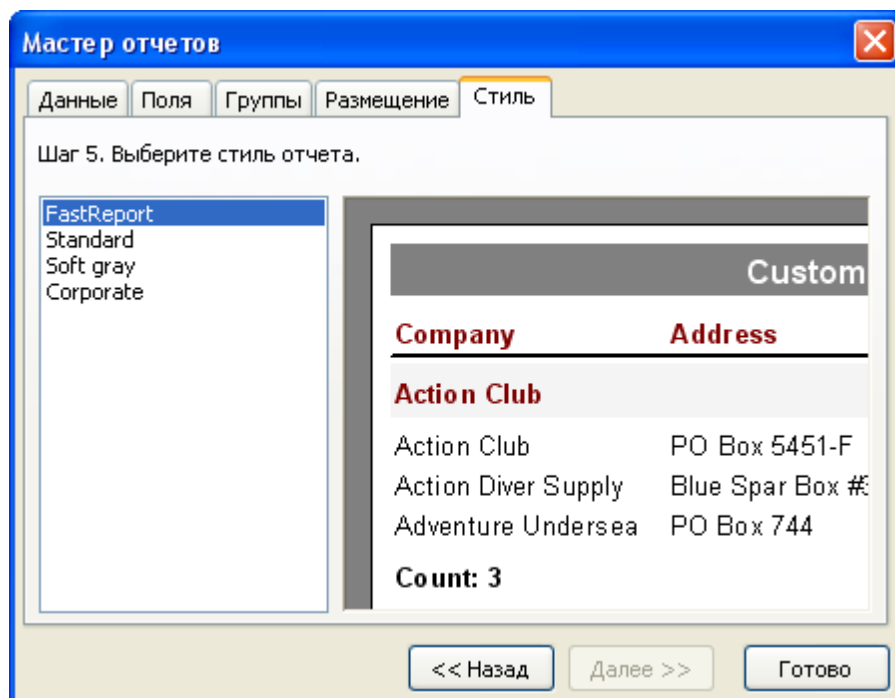
☒ Уместить все поля по ширине

**Report**

Company	Address
Action Club	PO Box 5
Action Diver Supply	Blue Spar
Adventure Undersea	PO Box 7
American SCUBA	1739 Atlai
Aquatic Drama	921 Everg
Blue Glass Happiness	6345 W. S

<< Назад Далее >> Готово

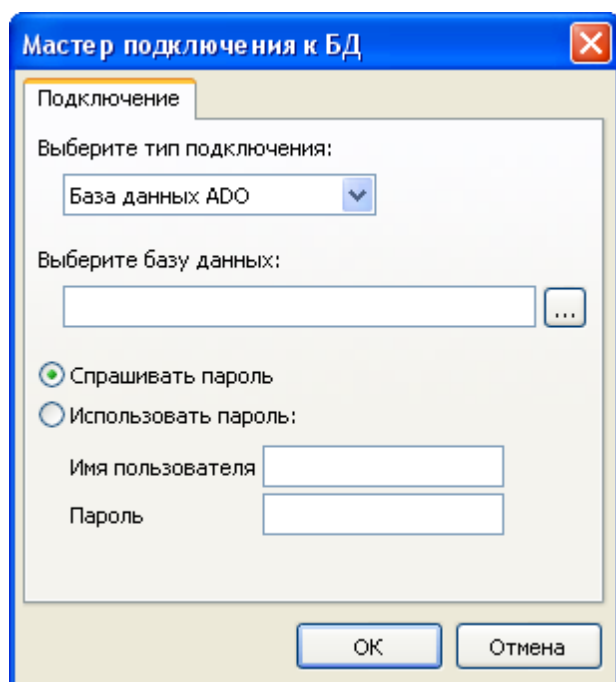
- ,



<b>ReportTitle:</b> ReportTitle1			
<b>Report</b>			
<b>PageHeader:</b> PageHeader1			
<b>Company</b>	<b>Contact</b>	<b>Phone</b>	<b>FAX</b>
<b>MasterData:</b> MasterData1			
[Customers."Company"]	[Customers."Contact"]	[Customers."Phone"]	[Customers."FAX"]
<b>PageFooter:</b> PageFooter1			

## 14.2

" ADO".



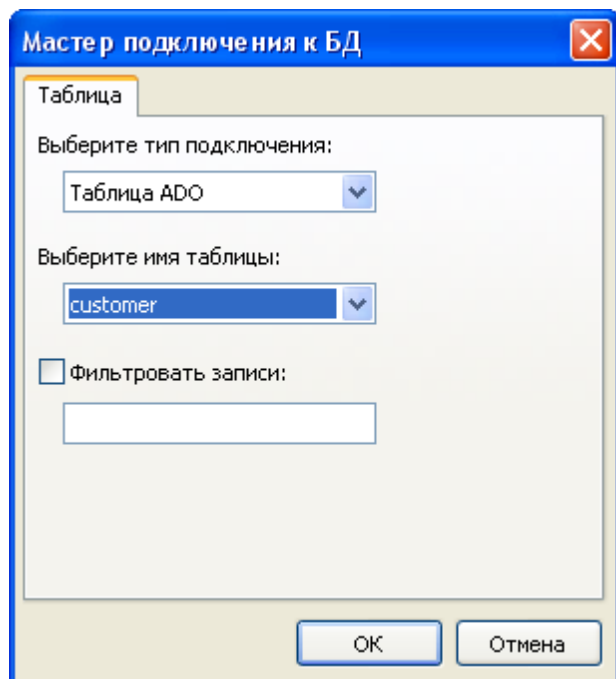
) -

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Windows,

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" , ADO".

## 14.3

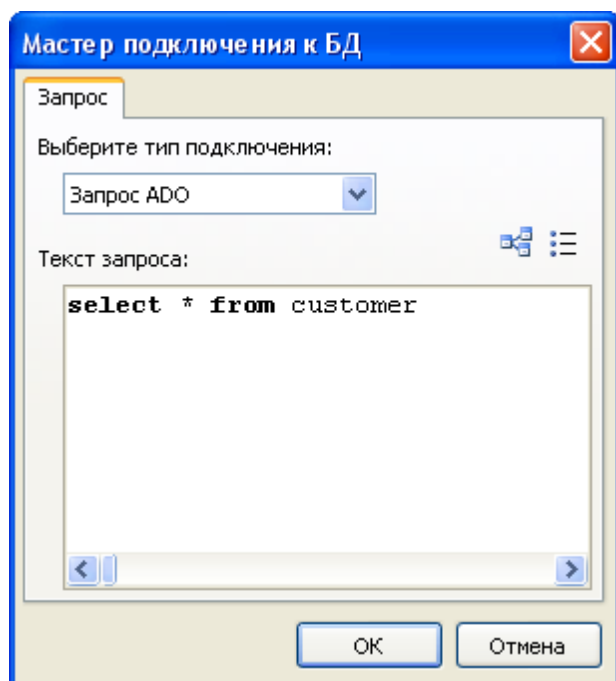


(*CustNo* > 2000) and (*CustNo* < 3000)

" " " 'ADO'.

## 14.4

- SQL.

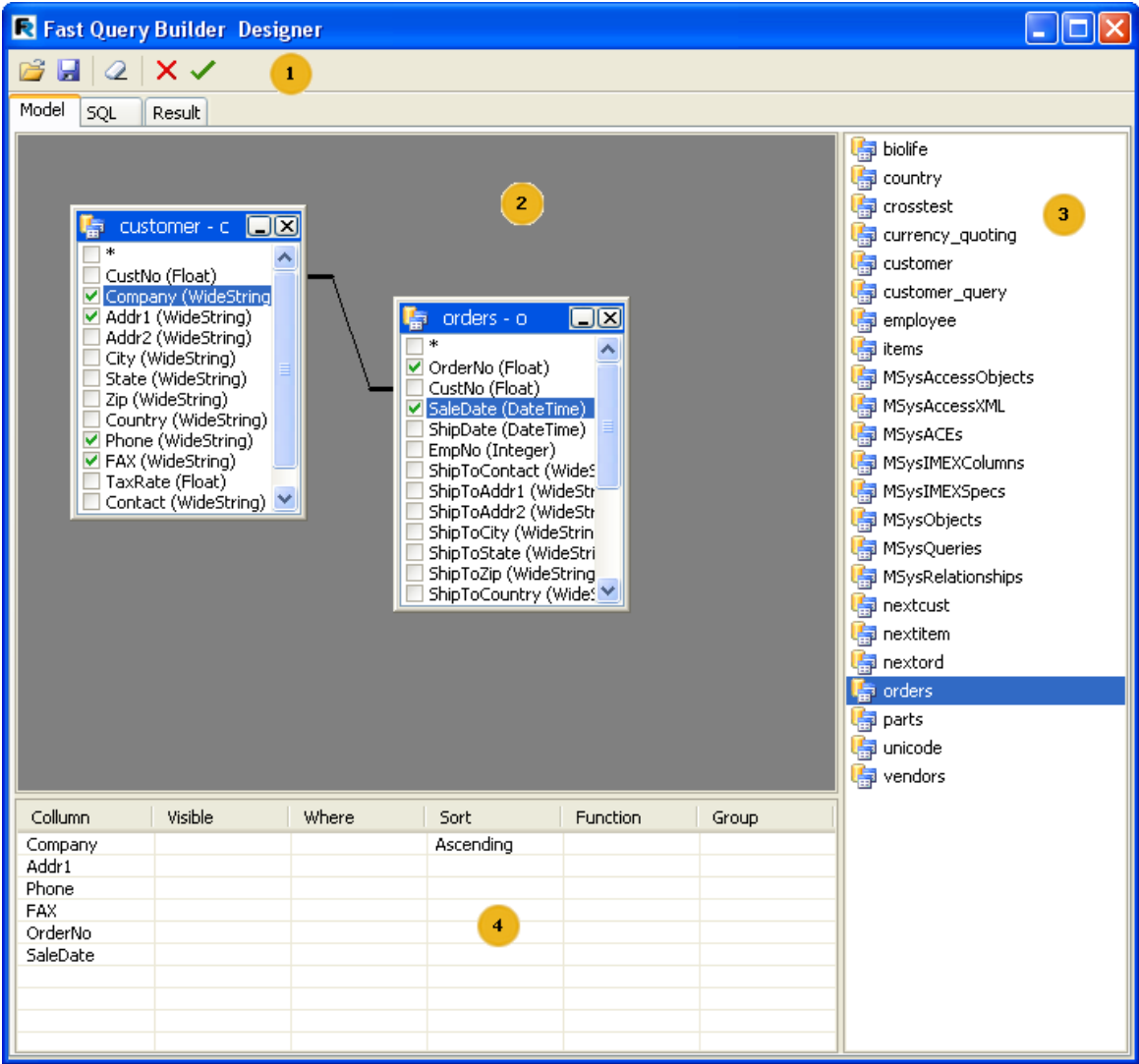


SQL  
,  
ADO".

## 14.5

FastReport ( Professional, Enterprise)  
( FastQueryBuilder,  
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SQL. :



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- 4 -

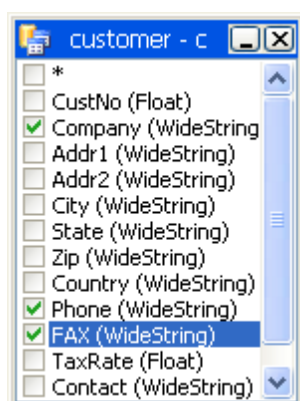
SQL

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# Drag&Drop, . . .



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

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

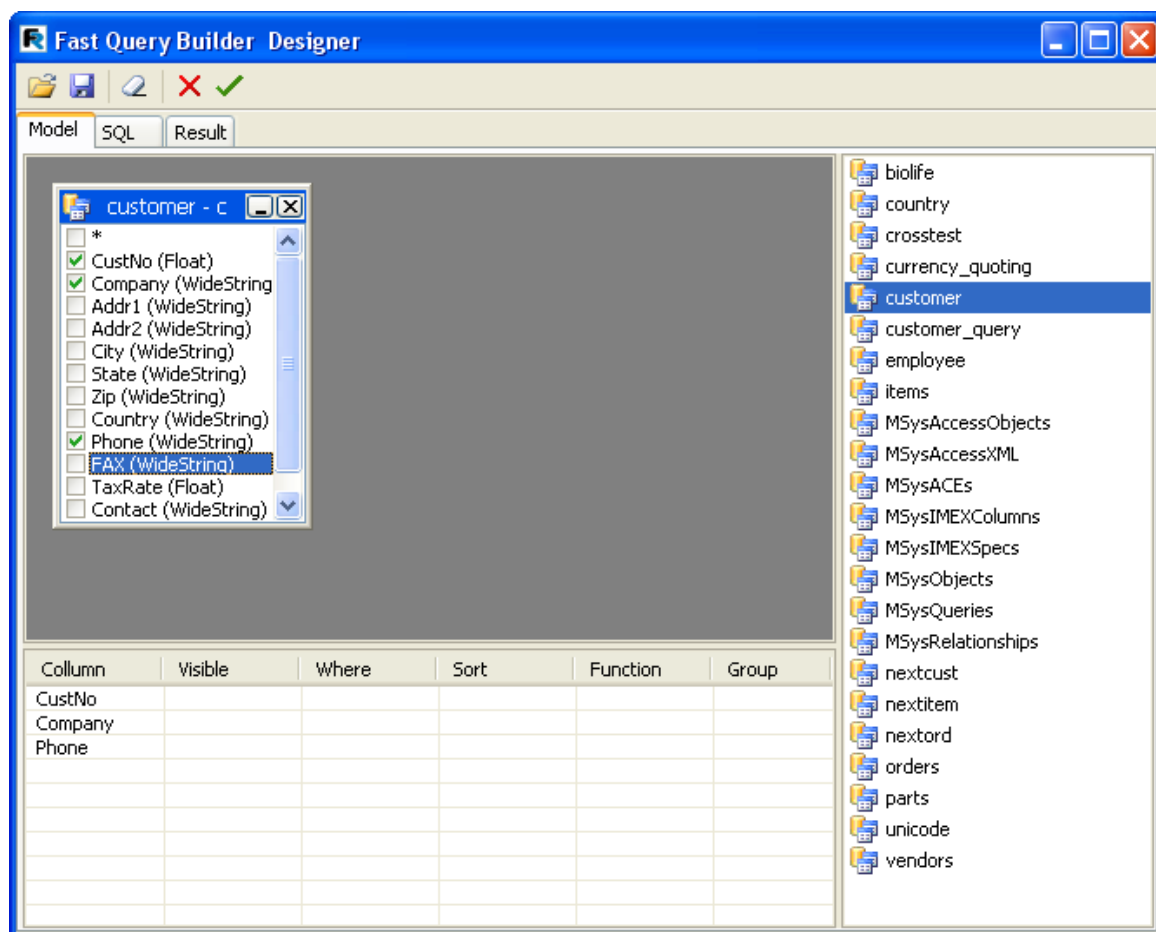
" "

(join).

Link options.

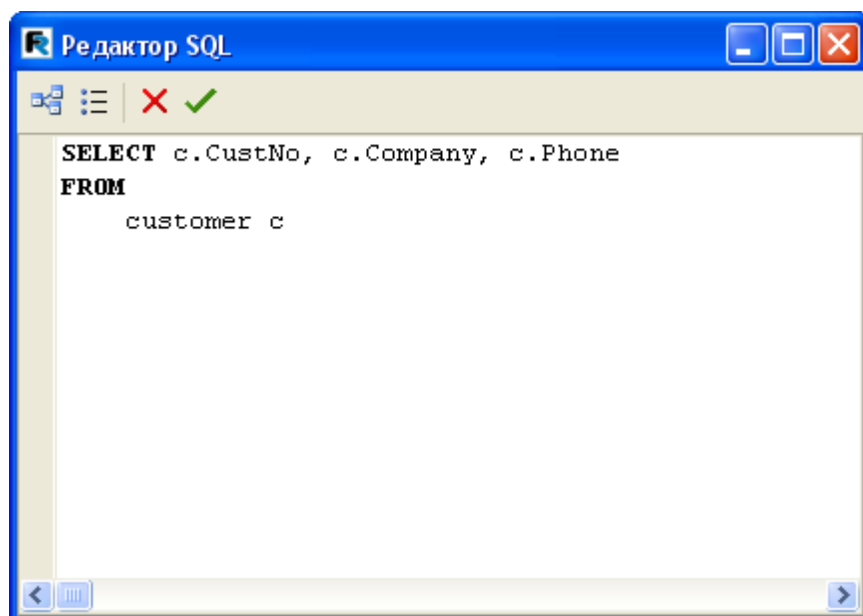






SQL,

Result



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## 14.5.2

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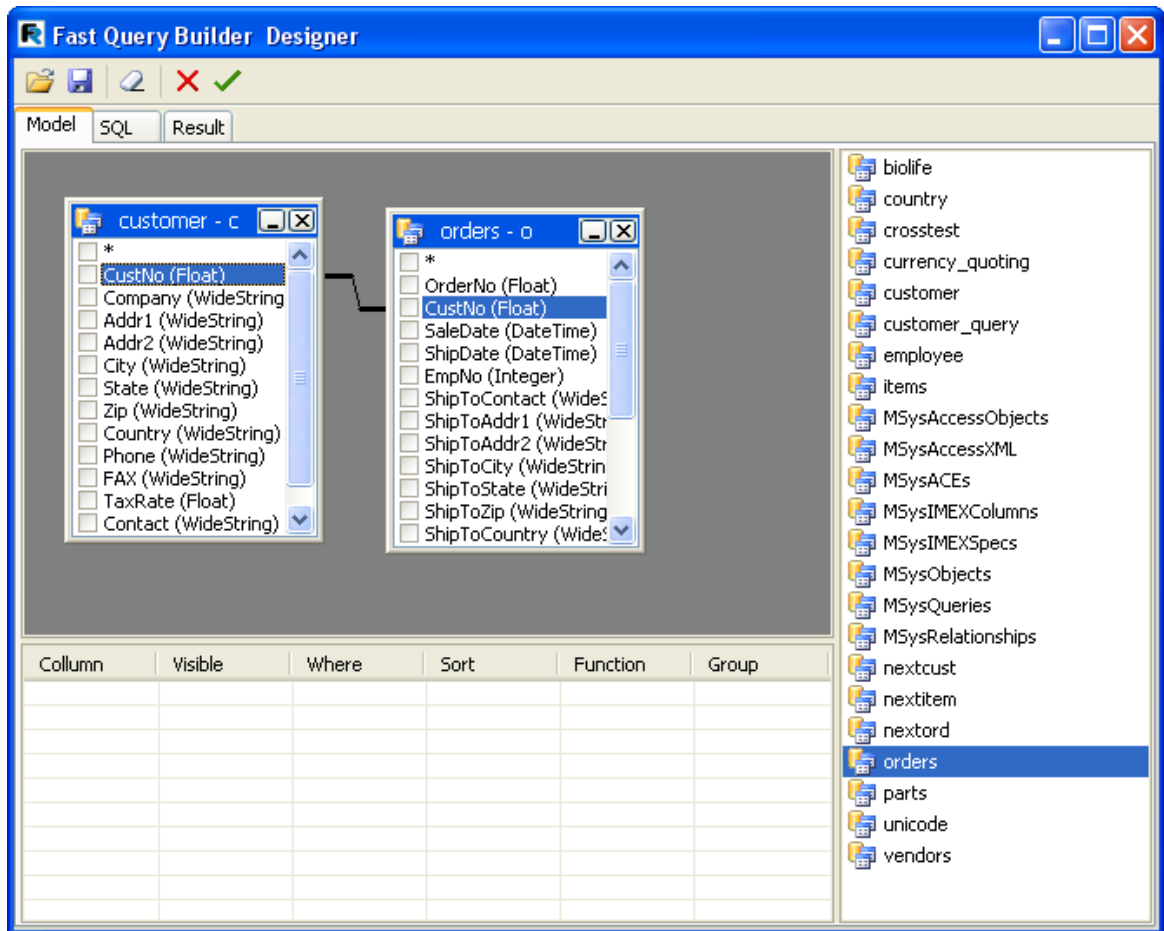
SQL,

,  
CustNo  
" ADO".

– Customers Orders.

CustNo,  
CustNo

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CustNo.

"\*"

CustNo

Customer.

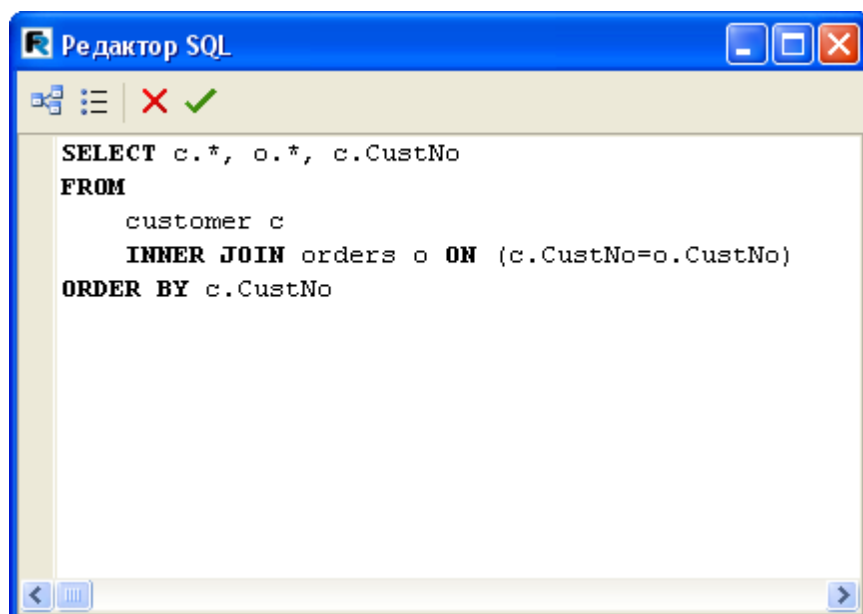
CustNo:

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

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.

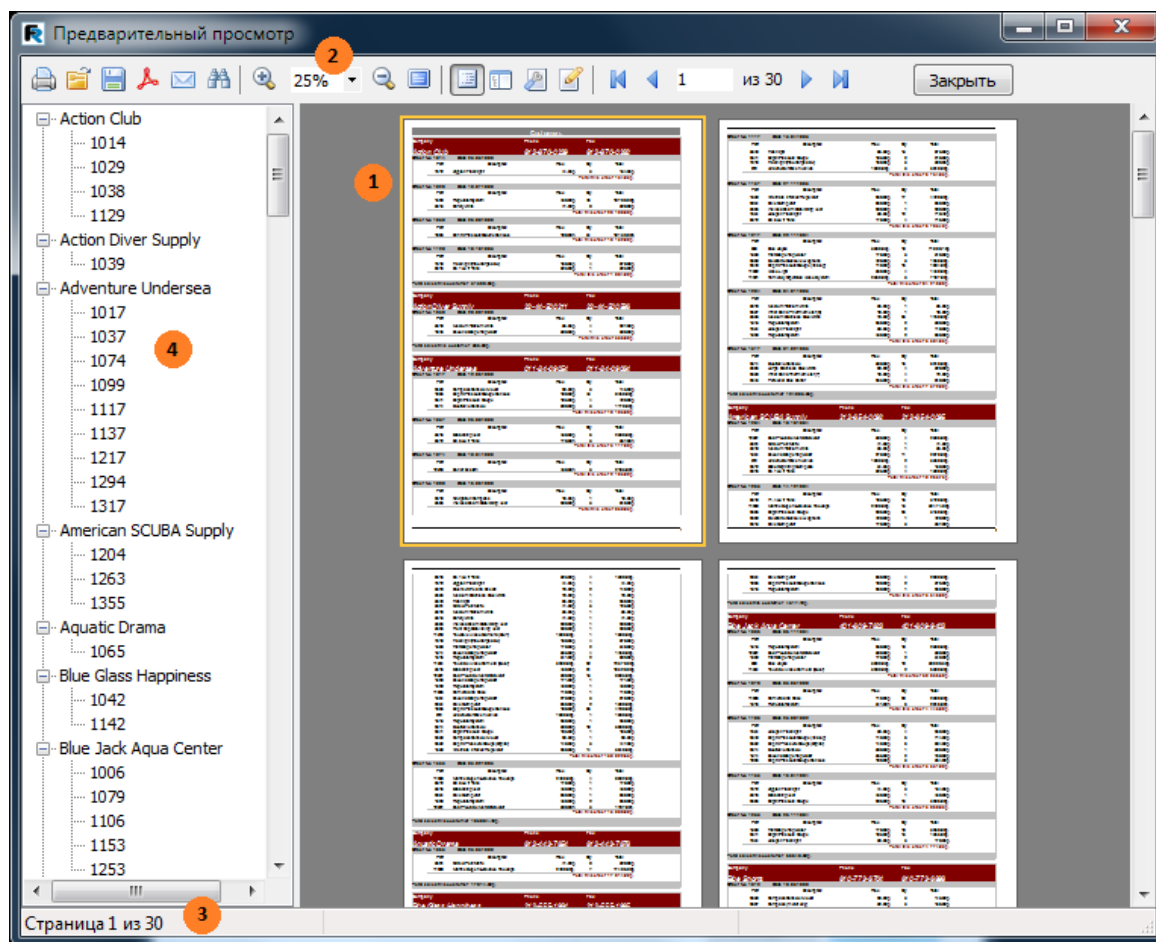
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		(* .fp3),
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Ctrl+F	.
F3	.
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PageUp, PageDown	/ .
Ctrl+PageUp, PageDown	/ .
Home	.
End	.

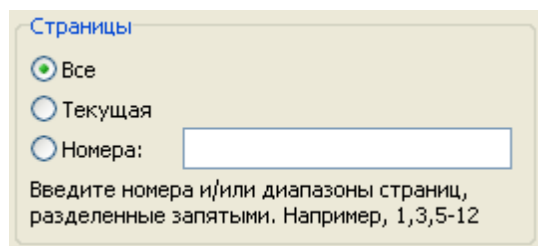
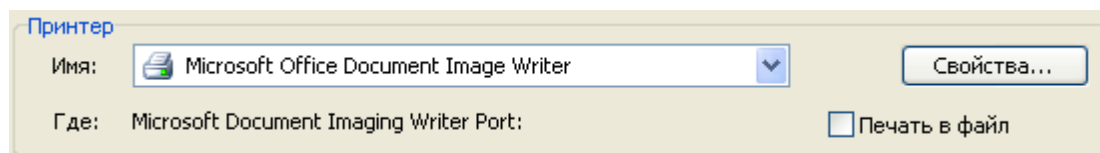
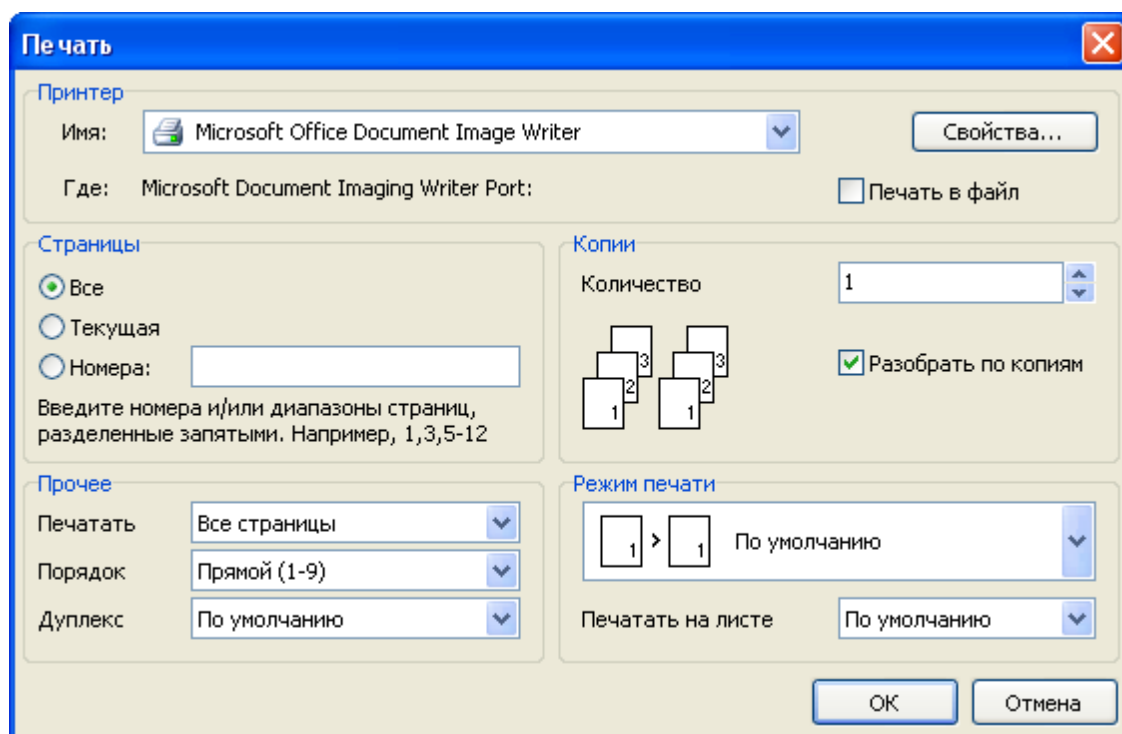
15.2

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## 15.3

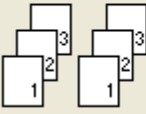
Ctrl+P).



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**Копии**

Количество



☒ Разобрать по копиям

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**Прочее**

Печатать

Порядок

Дуплекс

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**Режим печати**

>  По умолчанию

Печатать на листе

>  По умолчанию

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>  Разрезать большие страницы

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 Объединять маленькие страницы

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## 15.4

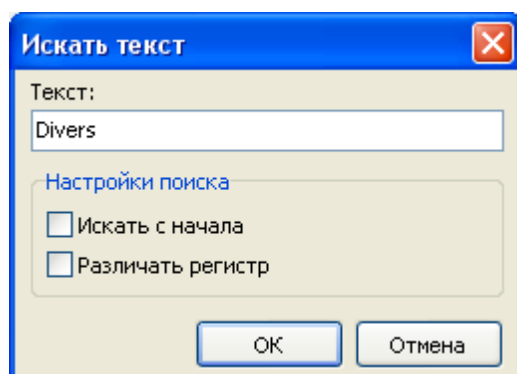
FastReport

Ctrl+F).



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Blue Sports Club	6
Catamaran Dive Club	1
Cayman Divers World Unlimited	1
Central Underwater Supplies	1

F3.

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## 15.5

FastReport

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

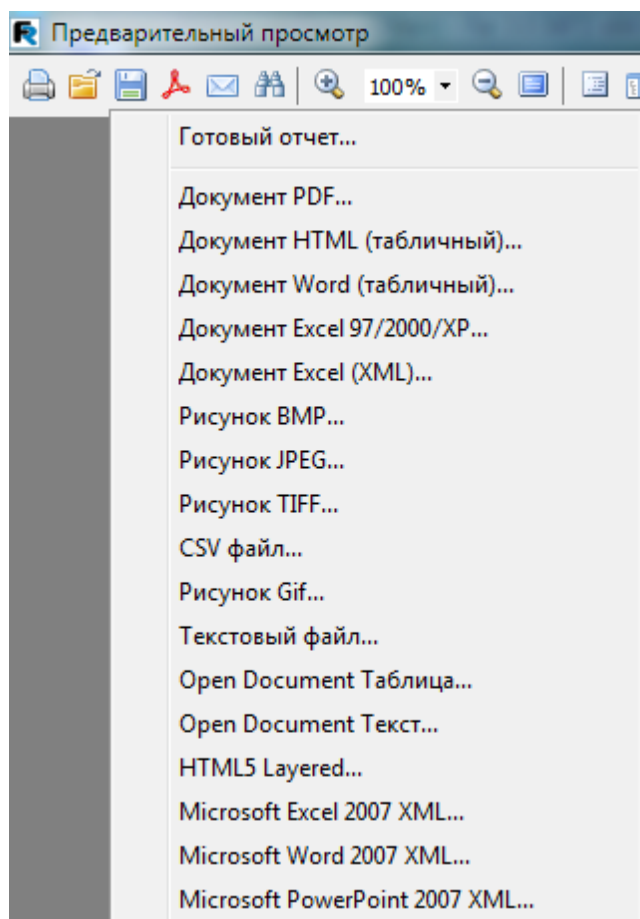
FastReport

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FastReport

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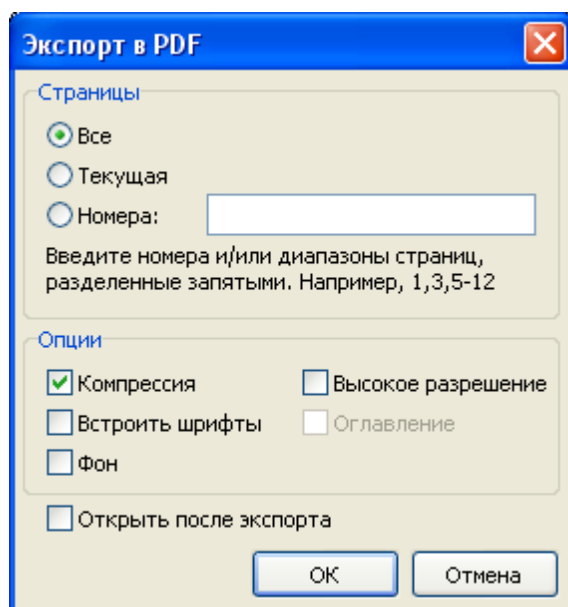
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### 15.5.1

### PDF

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

PDF



PDF

PDF,

PDF

(, Adobe Acrobat Reader).

: RichText

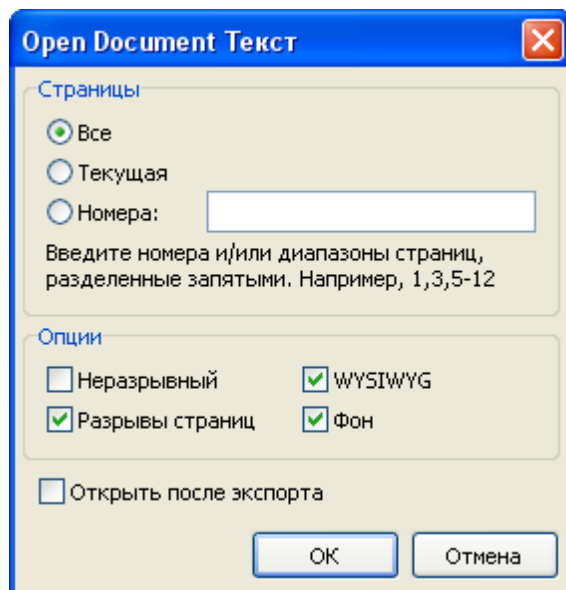
## 15.5.2 Open Document

OpenDocument Format (ODF,  
Office Application —

OASIS Open Document Format for  
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OASIS XML-  
OpenOffice.org. 1 2006  
ISO/IEC 26300.

FastReport ( .ods)  
( .odt) OpenDocumet.  
OpenOffice.



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- WYSIWYG – ,

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### 15.5.3

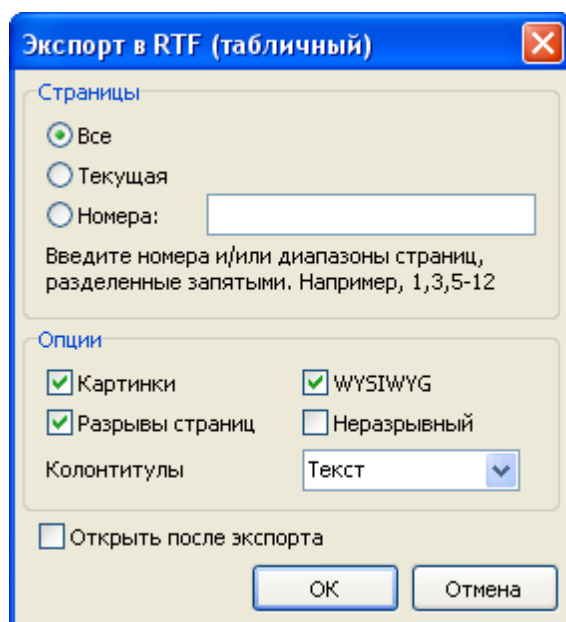
### RTF

RTF (Rich Text Format)

Microsoft

RTF-

RTF





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( , Microsoft WordPad).

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RTF, (

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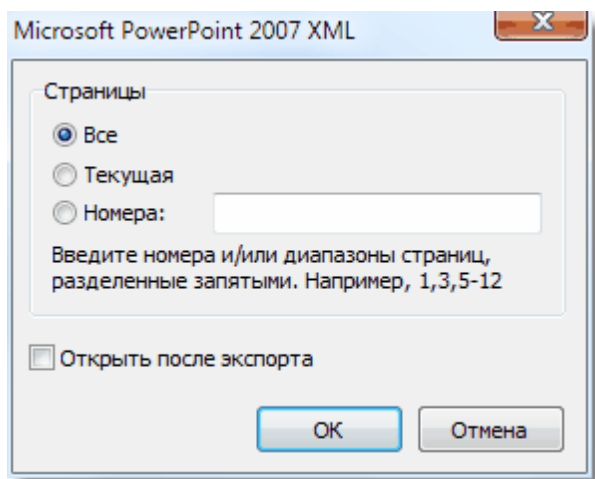
#### 15.5.4 Word 2007

Word 2007 - ,

Microsoft Office 2007.

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Word 2007 :



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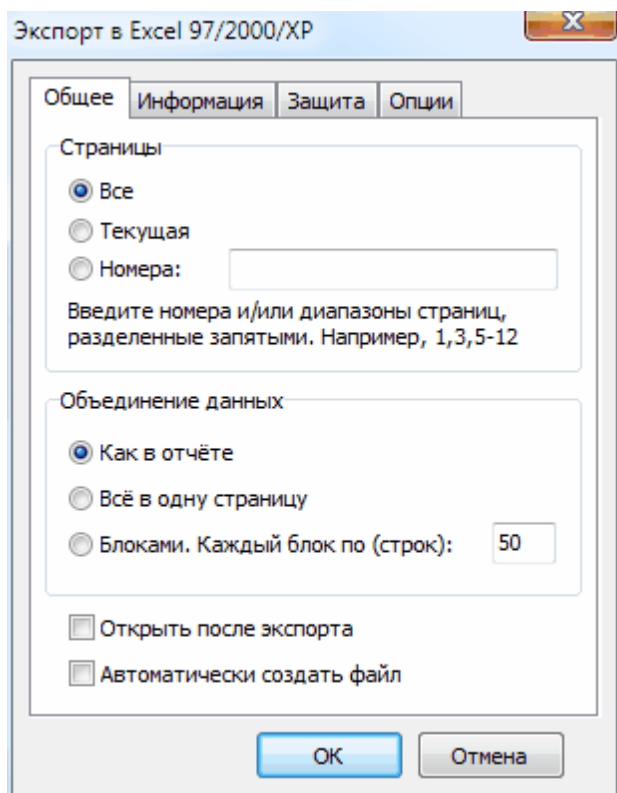
Word

### 15.5.5 Excel 97/2000/XP

Excel –  
Microsoft Office System.

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Excel



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Excel;

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### 15.5.6

### Excel XML

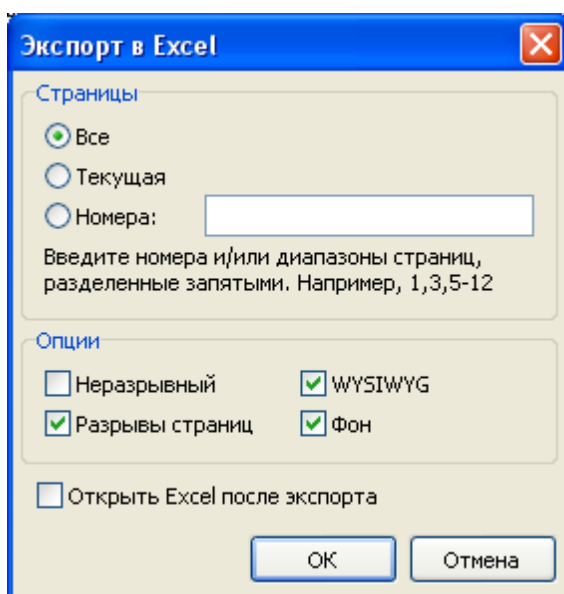
XML (Extensible Markup Language) -

. XML

. FastReport  
Excel 2003

. XML

Excel XML



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- WYSIWYG - ;

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- Excel - , ;

Excel.

: RichText ,

### 15.5.7 Excel 2007

Excel 2007 – ,

Microsoft Office 2007.

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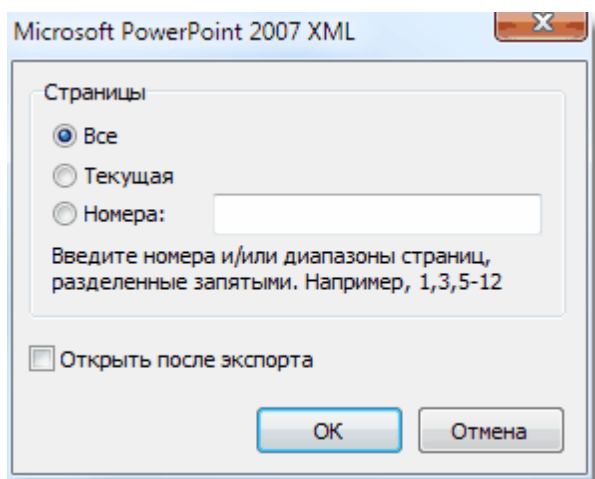
Excel :



### 15.5.8 PowerPoint 2007

PowerPoint 2007 –  
Microsoft Office 2007.

PowerPoint 2007

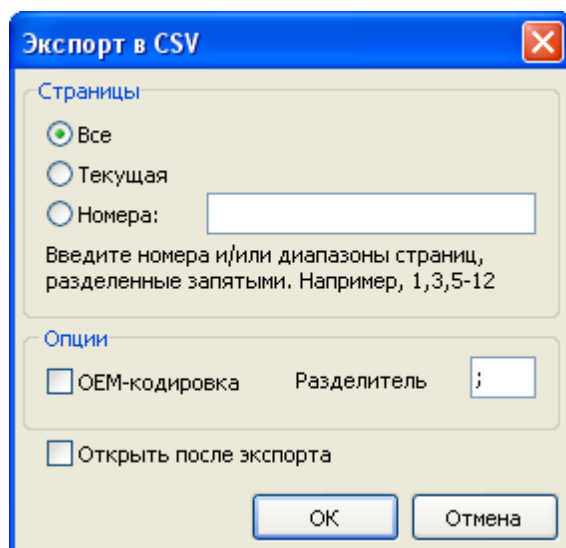


PowerPoint

### 15.5.9 CSV

CSV-

CSV



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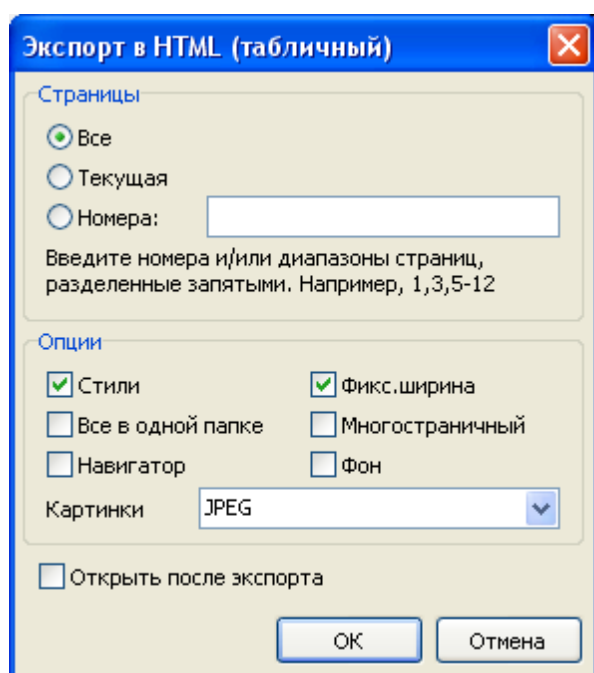
### 15.5.10

### HTML

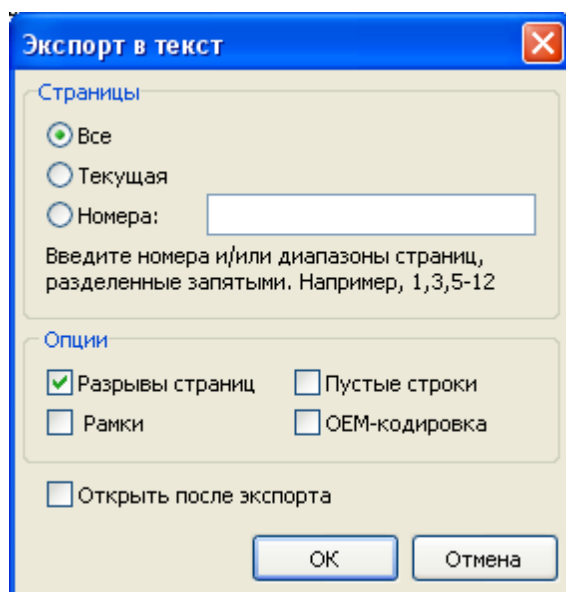
HTML (Hypertext Markup Language) –  
Internet. HTML

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HTML .





## 15.5.11



## 15.5.12

## Jpeg, BMP, Gif, Tiff

FastReport

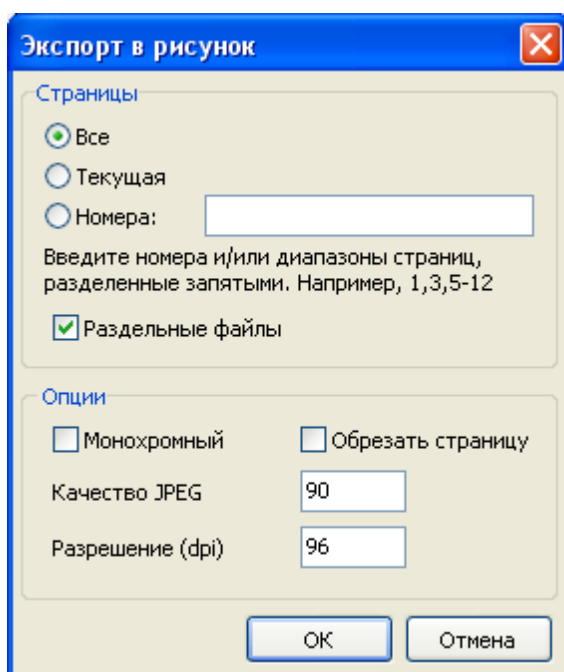
- JPEG (Joint Photographic Experts Group) –

- BMP (Windows Device Independent Bitmap) –

Windows.  
Windows.

- GIF (Graphics Interchange Format) –  
GIF

- TIFF, TIF (Target Image File Format) –



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 - JPEG — JPEG , ,  
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## 15.6

FastReport

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 e-mail

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**Отослать по E-mail**

Е-mail Ящик

**Письмо**

Автор: John Smith

Адрес: john@hotmail.com

Организация:

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

Собрать

**Подключение**

Сервер: smtp.hotmail.com Порт: 25

Имя: john Пароль: \*\*\*\*\*

☒ Запомнить настройки

OK Отмена

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- SMTP ;

- SMTP ;

- SMTP ,

- SMTP ;

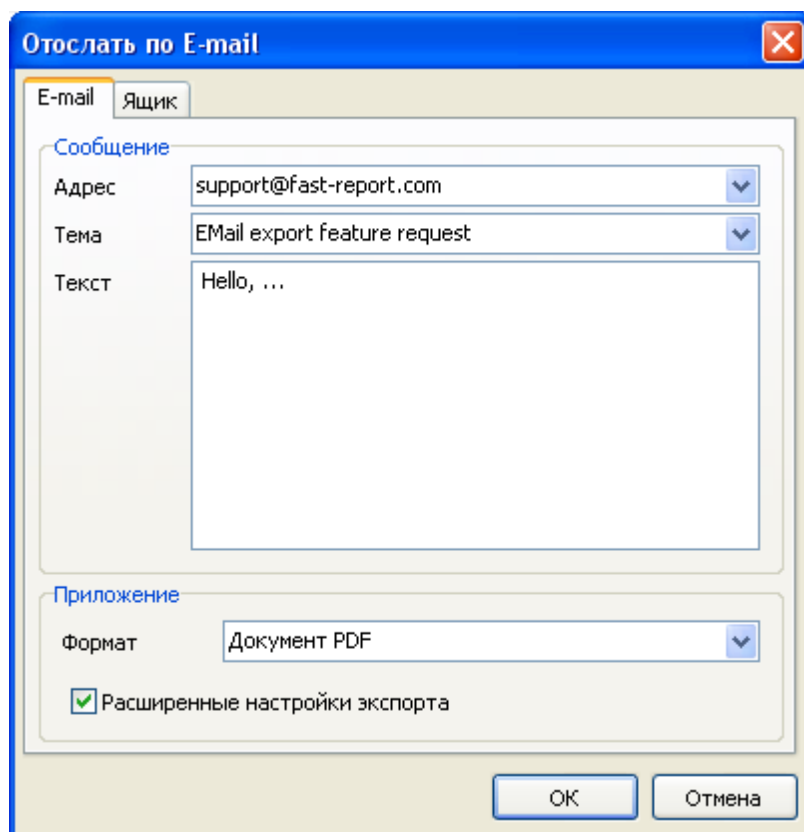
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«E-mail»:



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 SMTP , — « »  
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## 15.7

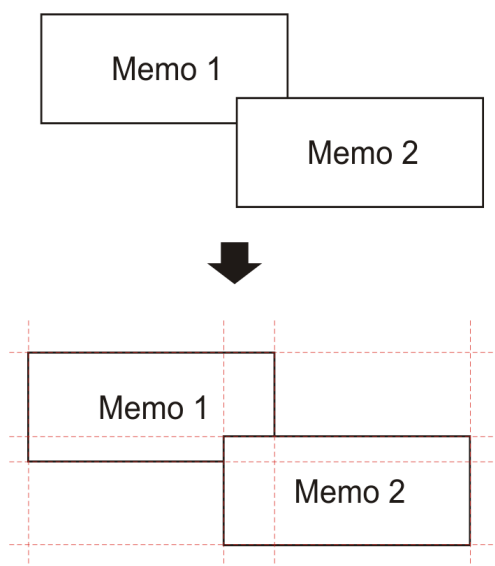
. FastReport

FastReport.

HTML, XLS, XML, RTF, CSV.  
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HTML RTF),  
FastReport.

FastReport

FastReport



RTF

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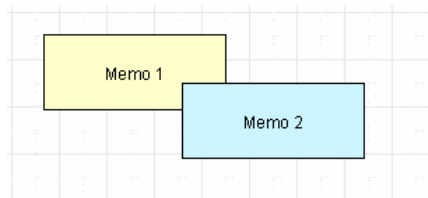
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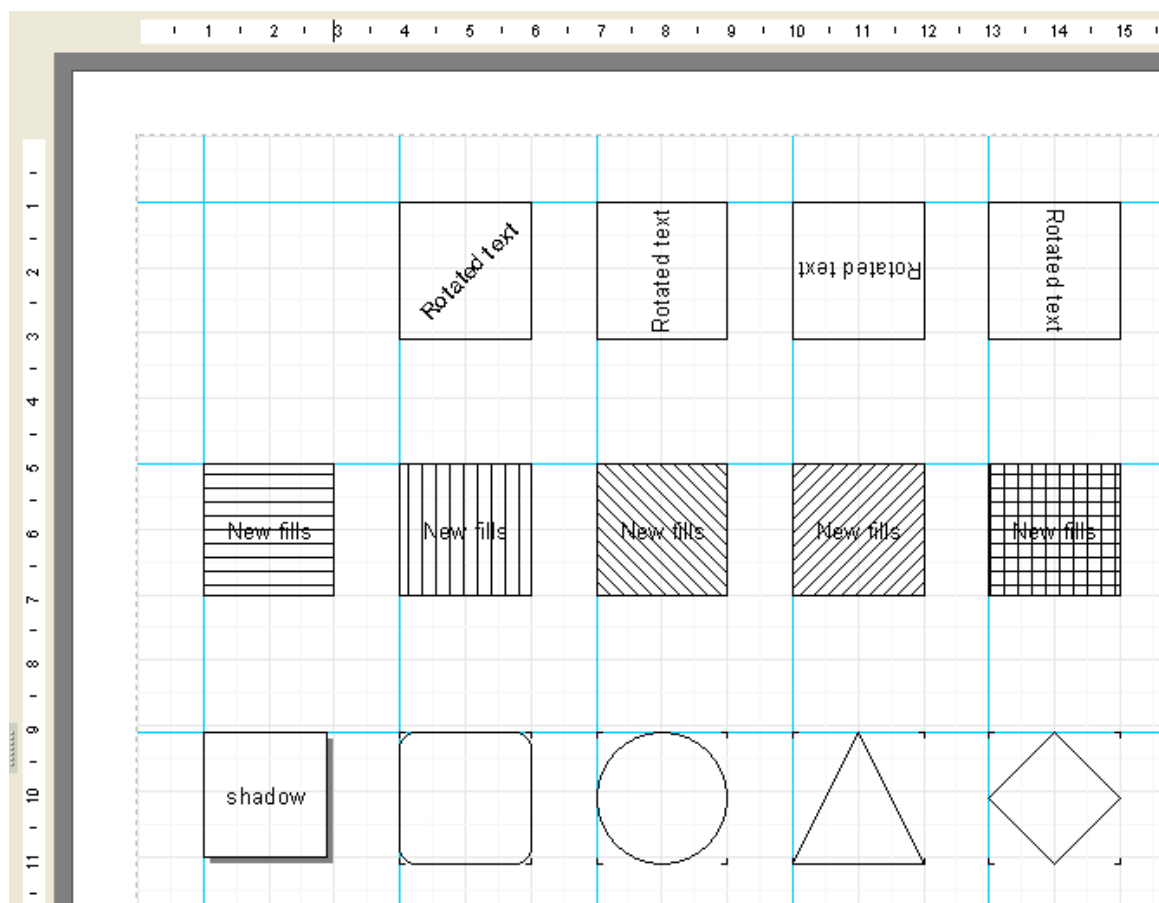
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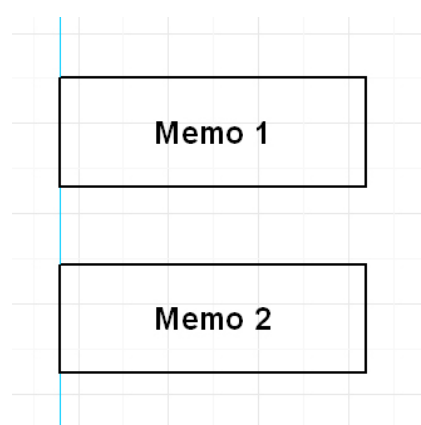
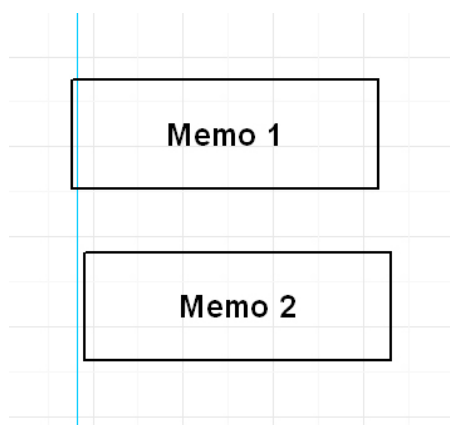
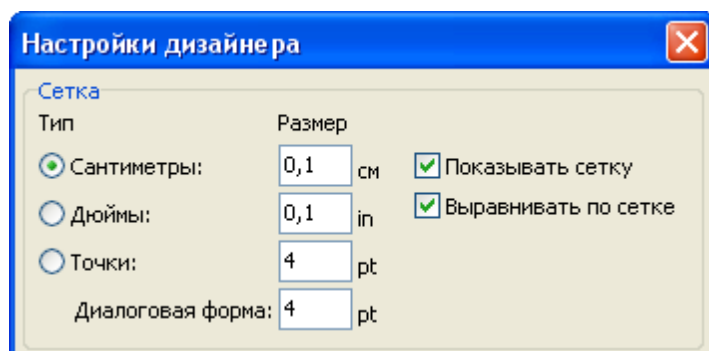


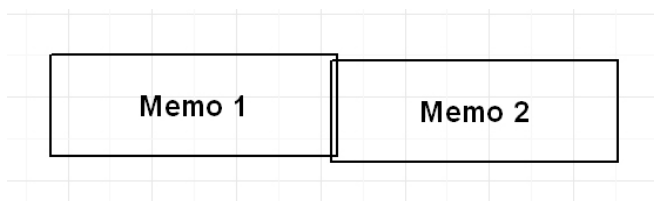


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FastReport

