

Report Design – How to do Rounding in Report Design ?

Sample Invoice with Rounding RM 0.02

**Invoice** Canceled

**Customer:** 300-A0002  
ALPHA & BETA COMPUTER  
**Address :-** 838 JALAN WORLD  
40485 RAWANG  
SELANGOR DE

**Description :-** Sales

**Inv No :** CYS2015-00449  
**Next No :-** CYS2015-00450  
**Date :-** 01/08/2015  
**Agent :-** SY  
**Terms :-** 45 Days  
**Ref 1. :-**  
**Ext. No. :-**

Item Code	Description	Qty	U/Price	UOM	Disco...	Sub Total	Tax	Tax...	Tax Amount	Sub Total (...)
ANT	ANTENNA	1.00	900.22	UNIT		900.22	SR	<input type="checkbox"/>	54.01	954.23
RTN5Cents	RTN5Cents	1.00	0.02	UNIT		0.02		<input type="checkbox"/>	0.00	0.02
2 records		2.00				900.24			54.01	954.25

**Deposit Amount:** 0.00  
**Local Net Total:** 954.25

**Net Total:** 954.25

1. Using Tax Invoice format 06-Tax-Invoice

**Report Builder**

GST : 00011123456

**Tax Invoice** GST No : 000123456  
Page 1 of 1

**Bill To :** ALPHA & BETA COMPUTER  
**Address :** 838 JALAN WORLD  
40485 RAWANG  
SELANGOR DE

**Bill No :** CYS2015-00449  
**Bill Date :** 01/08/2015  
**PO No :**  
**Ref. No :**  
**Terms :** 45 Days

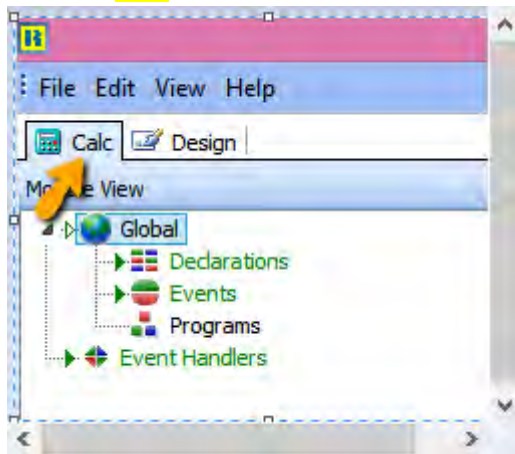
**Attn :** MR ALPHA  
**Tel. No :** 03-45573525  
**Fax No :** 03-45573520

No	Description	Qty	UOM	Price/Unit	Discount	Amount	Tax Code
1	ANTENNA	1.00	UNIT	911.24		911.24	SR
2	RTN5Cents	1.00	UNIT	0.01		(0.01)	

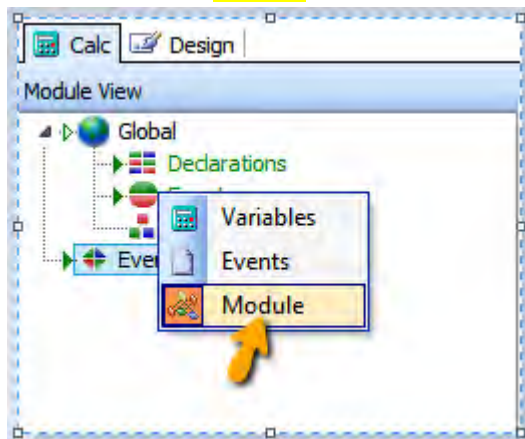
Page 1 of 1 04.04.2015 11:36:53 [06-Tax-Invoice](#)

\* Click on blue color link - 06-Tax-Invoice

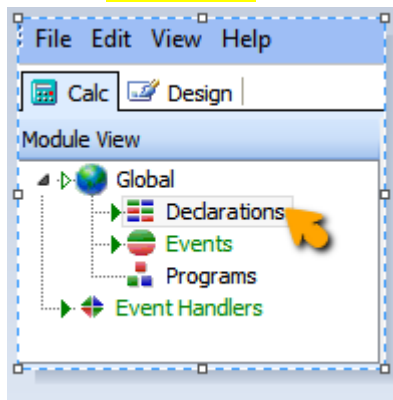
2. Click on **Calc** Tab



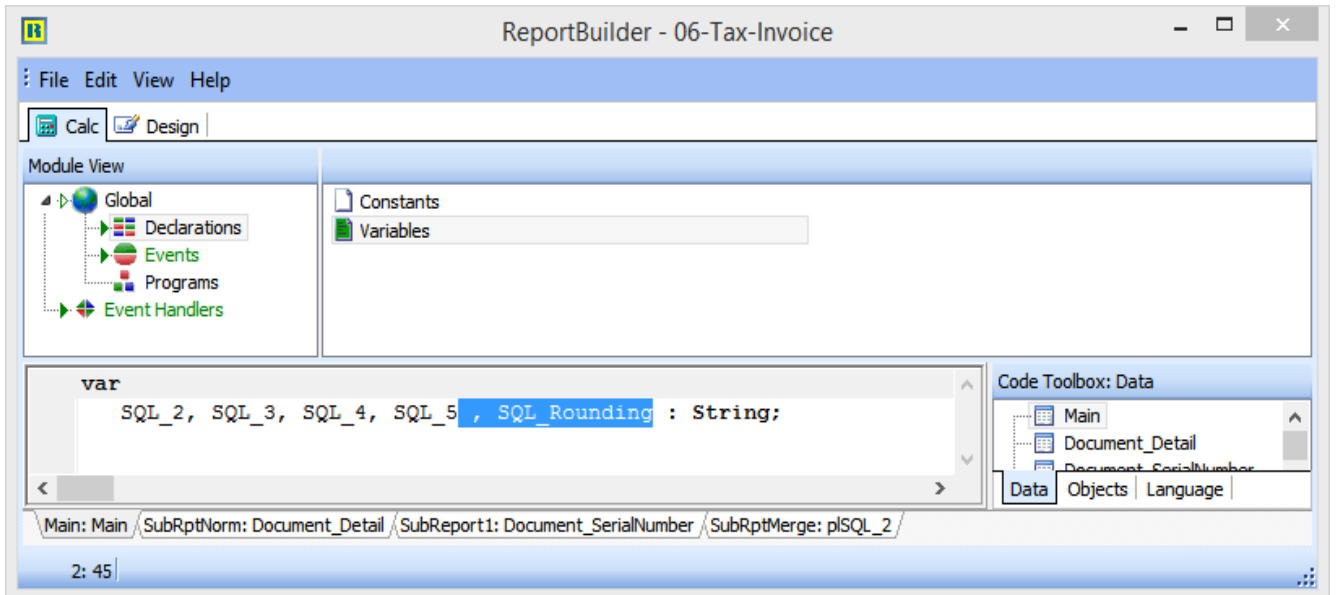
3. Right Click select **Module**



4. Click on **Declarations**



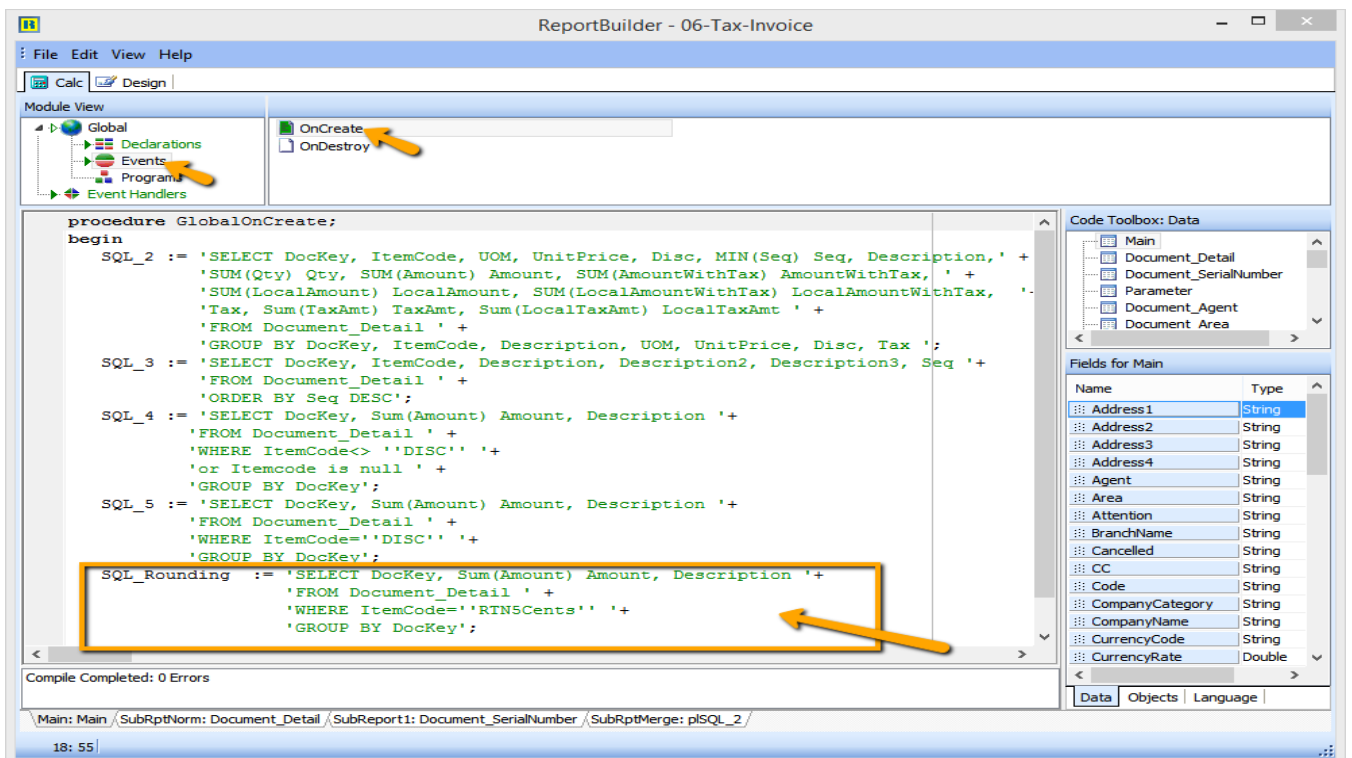
5. Declare **SQL\_Rounding** under Variable



6. Click on **Events** | On Create | Procedure GlobalOnCreate insert syntax as below :

```
SQL_Rounding := 'SELECT DocKey, Sum(Amount) Amount, Description ' +
  'FROM Document_Detail ' +
  'WHERE ItemCode="RTN5Cents" ' +
  'GROUP BY DocKey';
```

Refer Picture below :



Optional : Add additional syntax in pSQL\_4 – Refer below, only if Total Amount before GST you want to exclude rounding amount.

```

begin
  SQL_2 := 'SELECT DocKey, ItemCode, UOM, UnitPrice, Disc, MIN(Seq) Seq, Description,' +
  'SUM(Qty) Qty, SUM(Amount) Amount, SUM(AmountWithTax) AmountWithTax, ' +
  'SUM(LocalAmount) LocalAmount, SUM(LocalAmountWithTax) LocalAmountWithTax, '+
  'Tax, Sum(TaxAmt) TaxAmt, Sum(LocalTaxAmt) LocalTaxAmt ' +
  'FROM Document_Detail ' +
  'GROUP BY DocKey, ItemCode, Description, UOM, UnitPrice, Disc, Tax ';
  SQL_3 := 'SELECT DocKey, ItemCode, Description, Description2, Description3, Seq '+
  'FROM Document_Detail ' +
  'ORDER BY Seq DESC';
  SQL_4 := 'SELECT DocKey, Sum(Amount) Amount, Description '+
  'FROM Document_Detail ' +
  'WHERE ItemCode<> 'DISC' ' +
  'or Itemcode is null ' +
  'and ItemCode <> 'RTN5Cents' ' +
  'GROUP BY DocKey';
  SQL_5 := 'SELECT DocKey, Sum(Amount) Amount, Description '+
  'FROM Document_Detail ' +
  'WHERE ItemCode='DISC' ' +
  'GROUP BY DocKey';
  SQL_Rounding := 'SELECT DocKey, Sum(Amount) Amount, Description '+
  'FROM Document_Detail ' +
  'GROUP BY DocKey';

```

```

SQL_4 := 'SELECT DocKey, Sum(Amount) Amount, Description '+
  'FROM Document_Detail ' +
  'WHERE ItemCode<> "DISC" ' +
  'or Itemcode is null ' +
  'and ItemCode <> "RTN5Cents" ' +
  'GROUP BY DocKey';

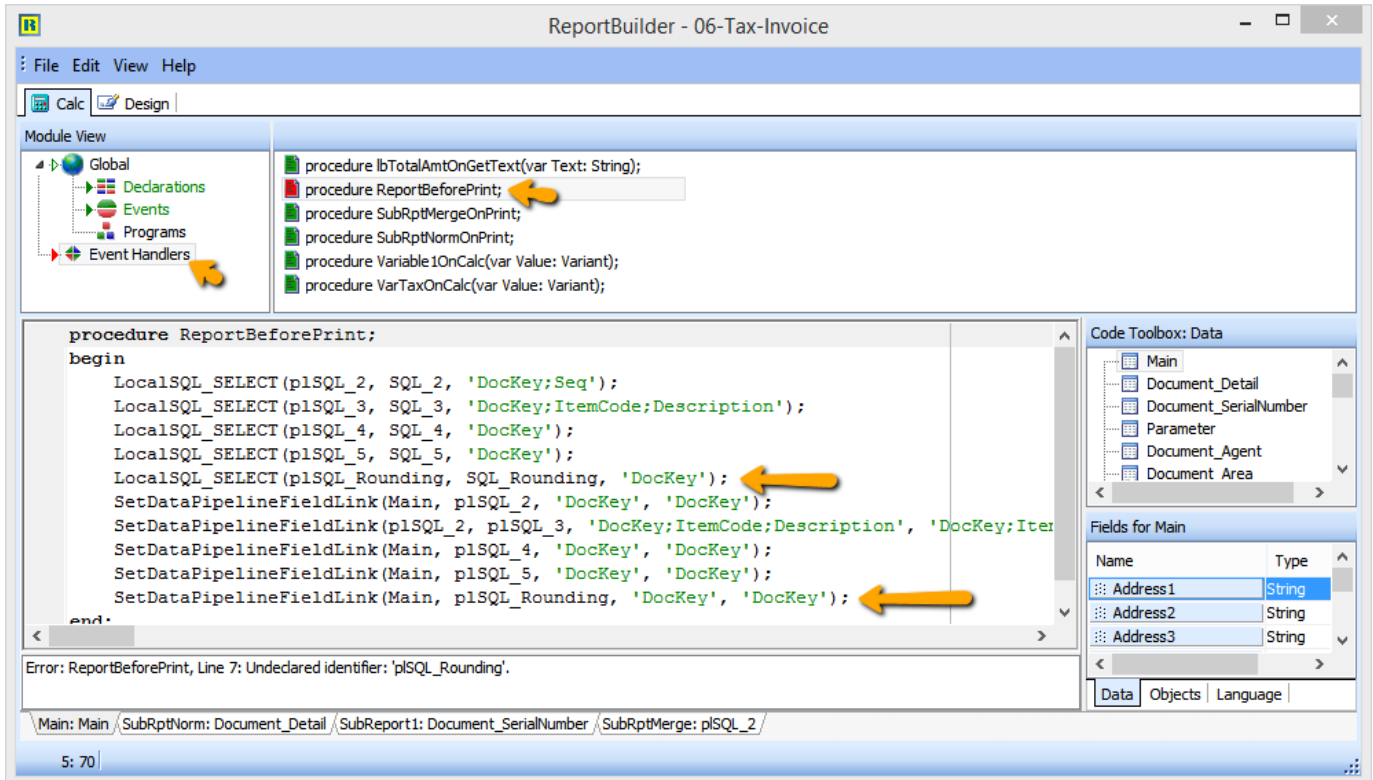
```

7. Click on Event Handlers | Click on procedure Report BeforePrint, insert syntax as below :

```

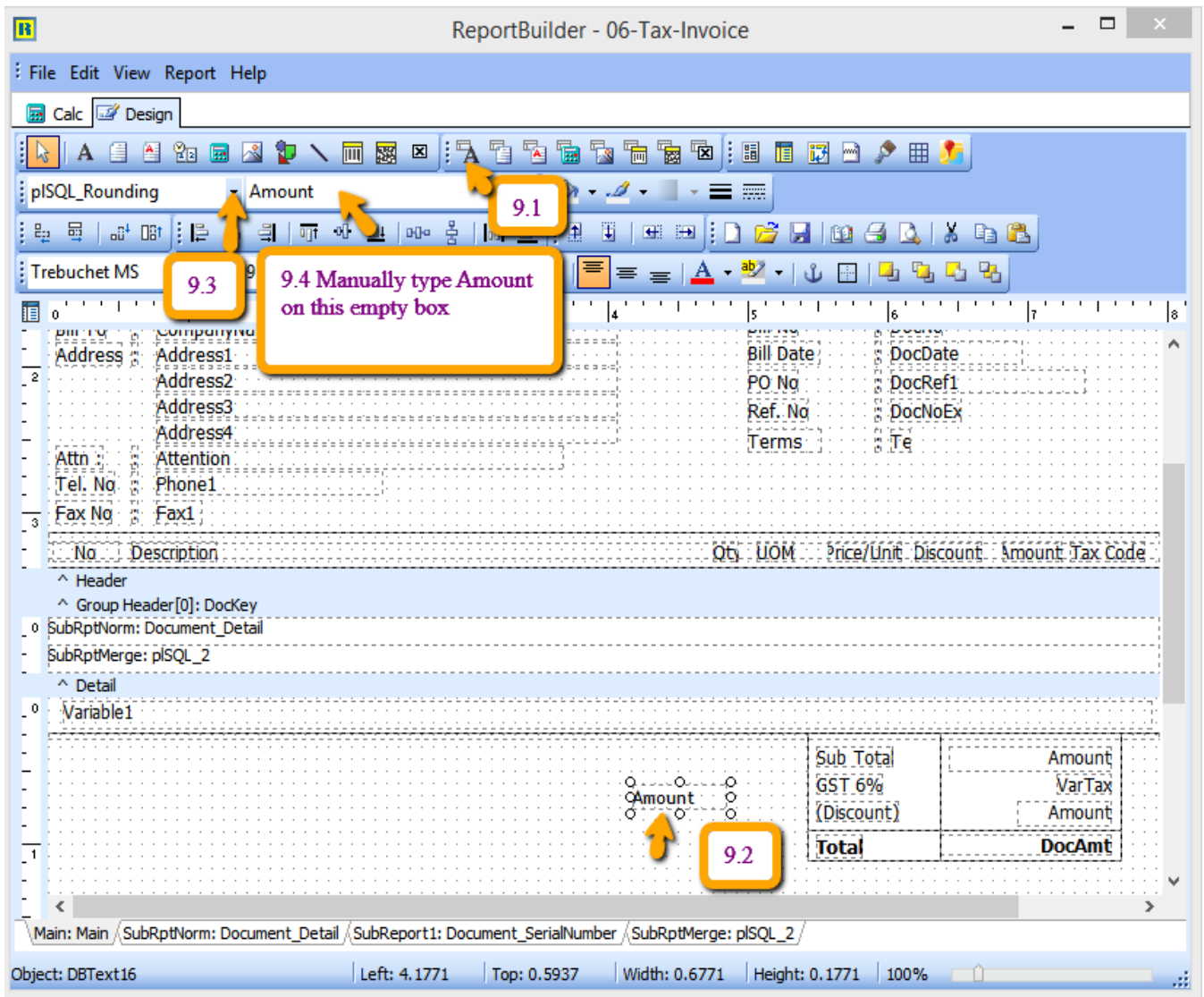
LocalSQL_SELECT(p1SQL_Rounding, SQL_Rounding, 'DocKey');
SetDataPipelineFieldLink(Main, p1SQL_Rounding, 'DocKey', 'DocKey');

```



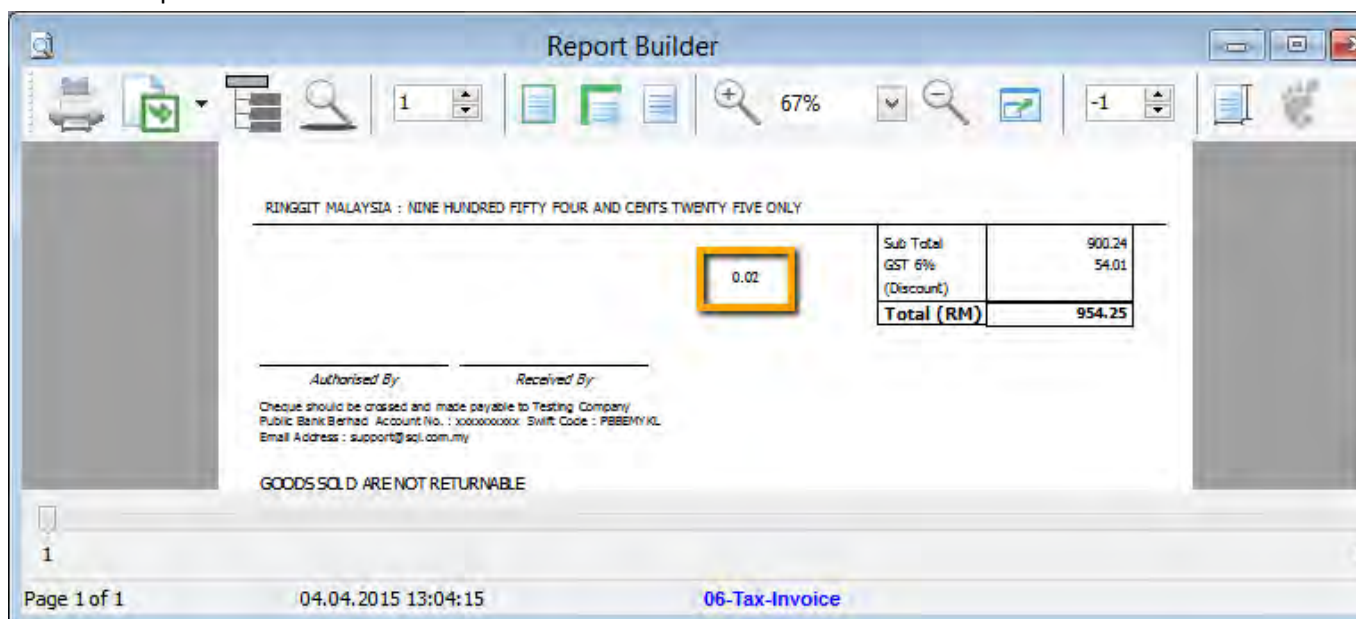
8. File | Save | Exit from report design and go in to Report Design again.

9. Insert DBText | and place at the place you want.



- 9.1 : Click on DBText
- 9.2 Place at the Group Footer area
- 9.3 : Select pISQL\_Rounding
- 9.4 : Manually type in Amount

Here the output :



After adjust the place :

Here the output :

RINGGIT MALAYSIA : NINE HUNDRED FIFTY FOUR AND CENTS TWENTY FIVE ONLY

Rounding	0.02
Sub Total	900.24
GST 6% (Discount)	54.01
<b>Total (RM)</b>	<b>954.25</b>

Authorised By \_\_\_\_\_ Received By \_\_\_\_\_

Cheque should be crossed and made payable to Testing Company  
Public Bank Berhad Account No. : xxxxxxxxxx Swift Code : PBSEMYKL  
Email Address : support@sql.com.my

GOODS SOLD ARE NOT RETURNABLE

Item Detail hide Item Code RTN5Cents to be appearing, refer step as below :

10. Click on Document\_Detail Tab as below | Click on Calc | Event Handlers | Procedure RdiscOnPrint

ReportBuilder - 06-Tax-Invoice

Calc Design

Module View

- Global
  - Declarations
  - Events
  - Programs
  - Event Handlers

procedure RdiscOnPrint;

```
begin
  RDisc.Visible := (Document_Detail.getfieldvalue('Itemcode') <> 'DISC')
                  and (Document_Detail.getfieldvalue('Itemcode') <> 'RTN5Cents');
end;
```

Code Toolbox: Data

- Main
- Document\_Detail
- Document\_SerialNumber
- Parameter
- Document\_Agent
- Document\_Area

Main: Main | SubRptNorm: Document\_Detail | SubReport1: Document\_SerialNumber | SubRptMerge: pISQL\_2

5: 45

Syntax :

```
RDisc.Visible := (Document_Detail.getfieldvalue('Itemcode') <> 'DISC')
                  and (Document_Detail.getfieldvalue('Itemcode') <> 'RTN5Cents');
```

Output :

**Testing Company**  
32 1 Floor, Jalan Tiara 4  
41200 Klang  
Phone: 03-3341 6909 Fax: 03-3341 2909  
G&T : 00011123456

**Tax Invoice** GST No : 0000123449 Page 1 of 1

Bill To : ALPHA & BETA COMPUTER  
Address : 838 JALAN WORLD  
40485 RAWANG  
SELANGOR DE

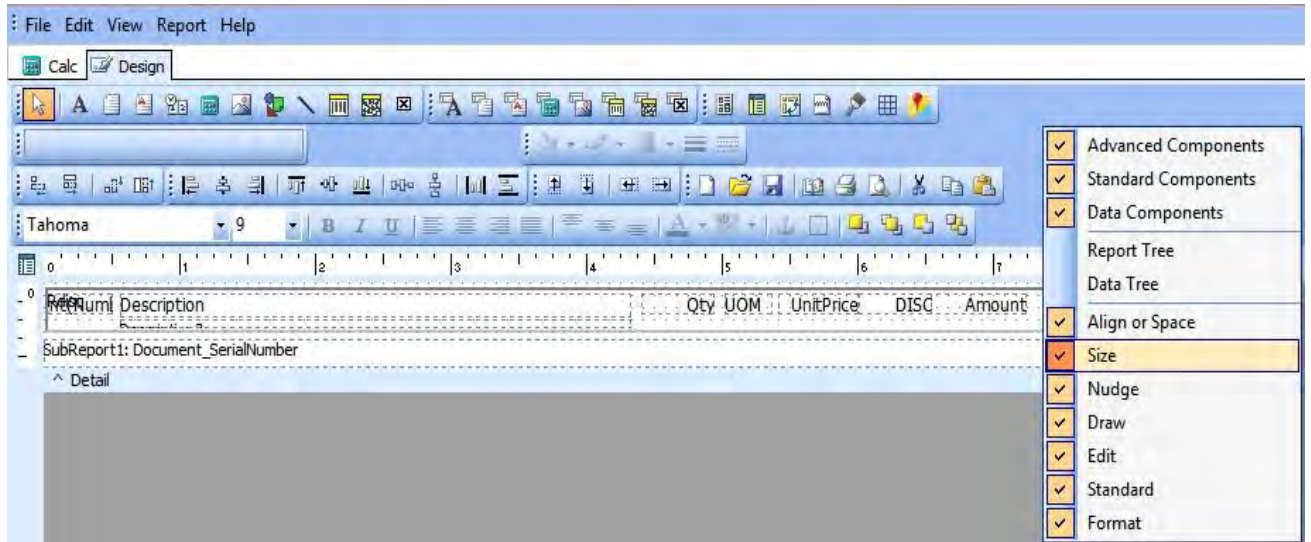
Attn : MR ALPHA  
Tel. No : 03-48573689  
Fax No : 03-48573690

Bill No : CYS2015-00449  
Bill Date : 01/08/2015  
PO No :  
Ref. No :  
Terms : 45 Days

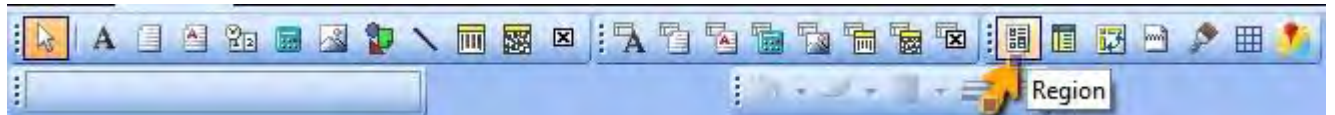
No	Description	Qty	UOM	Price/Unit	Discount	Amount	Tax Code
1	ANTENNA	1.00	UNIT	900.22		900.22	SR

How to do if the report never create the region before ?

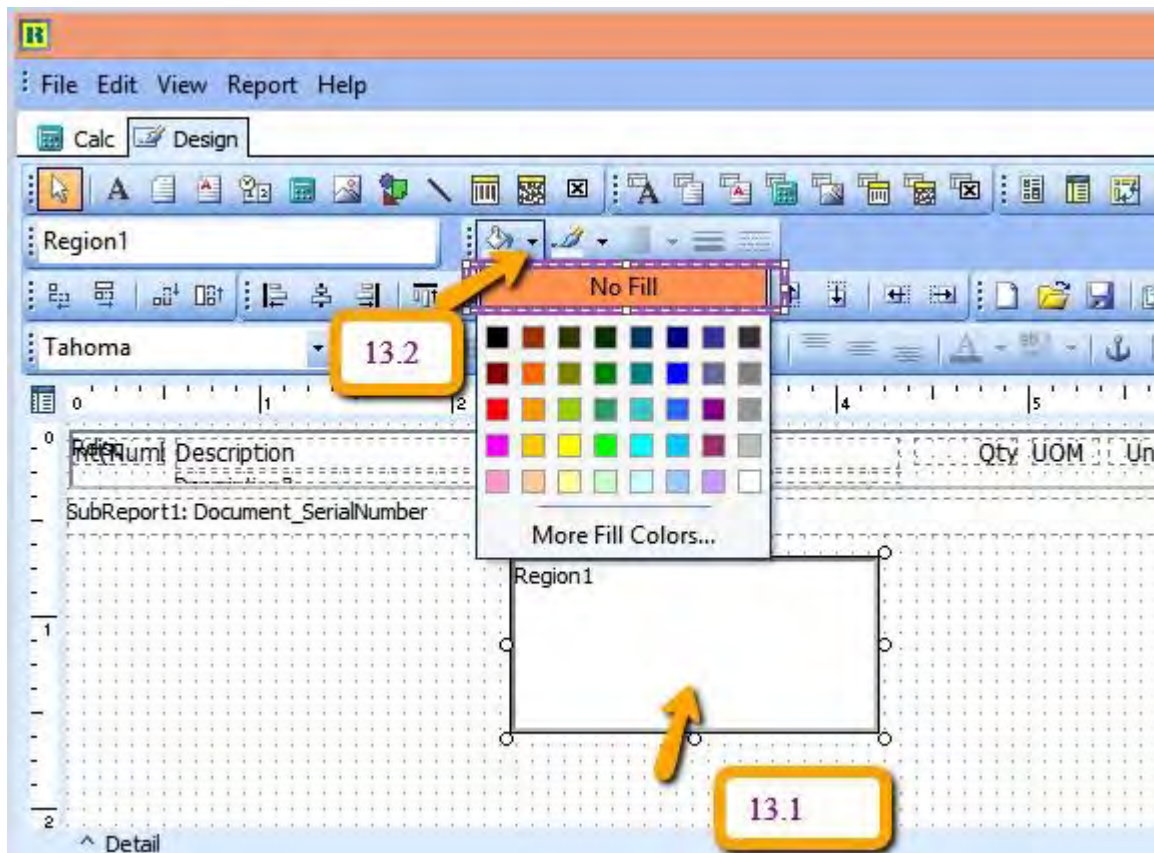
11. Right click tick all the Toolbars



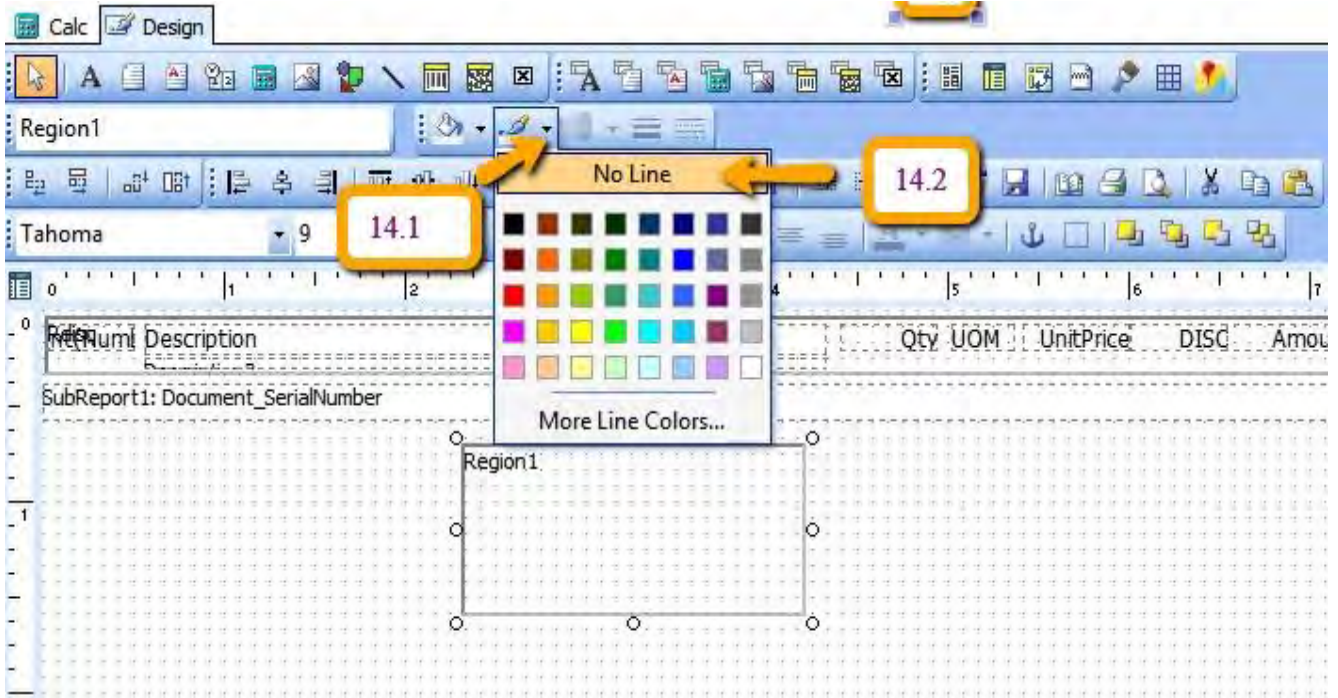
12. Click on Region component



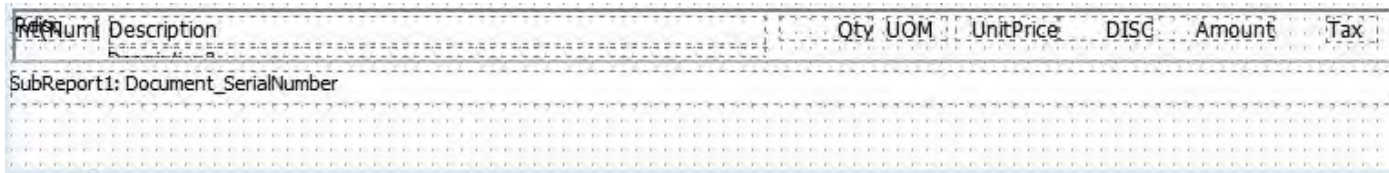
13. Place at the design grid | Click at the region | Select no Fill



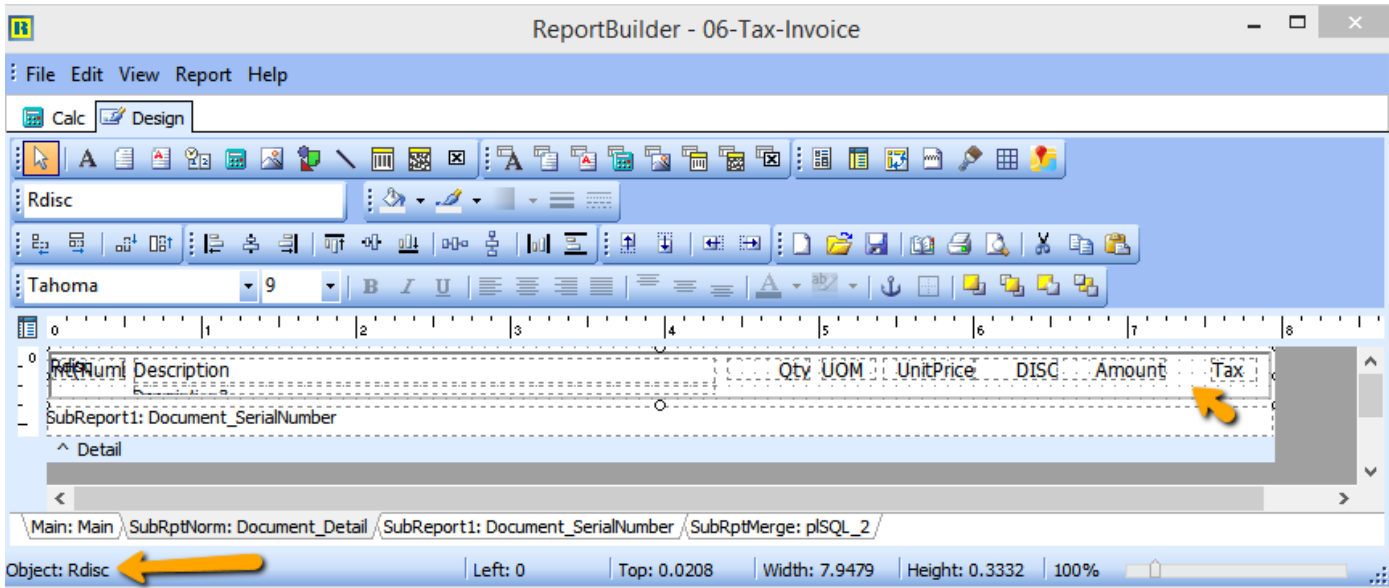
14. Select No Line



15. Place all the DBtext/DBRichText inside the Region.

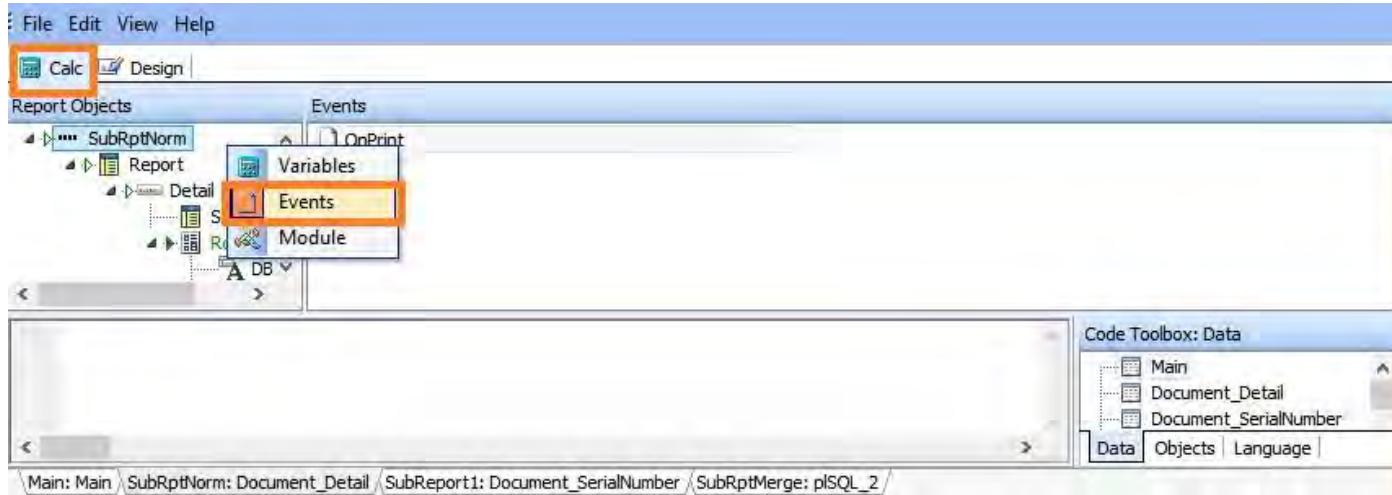


16. Click on Region to check the object name :

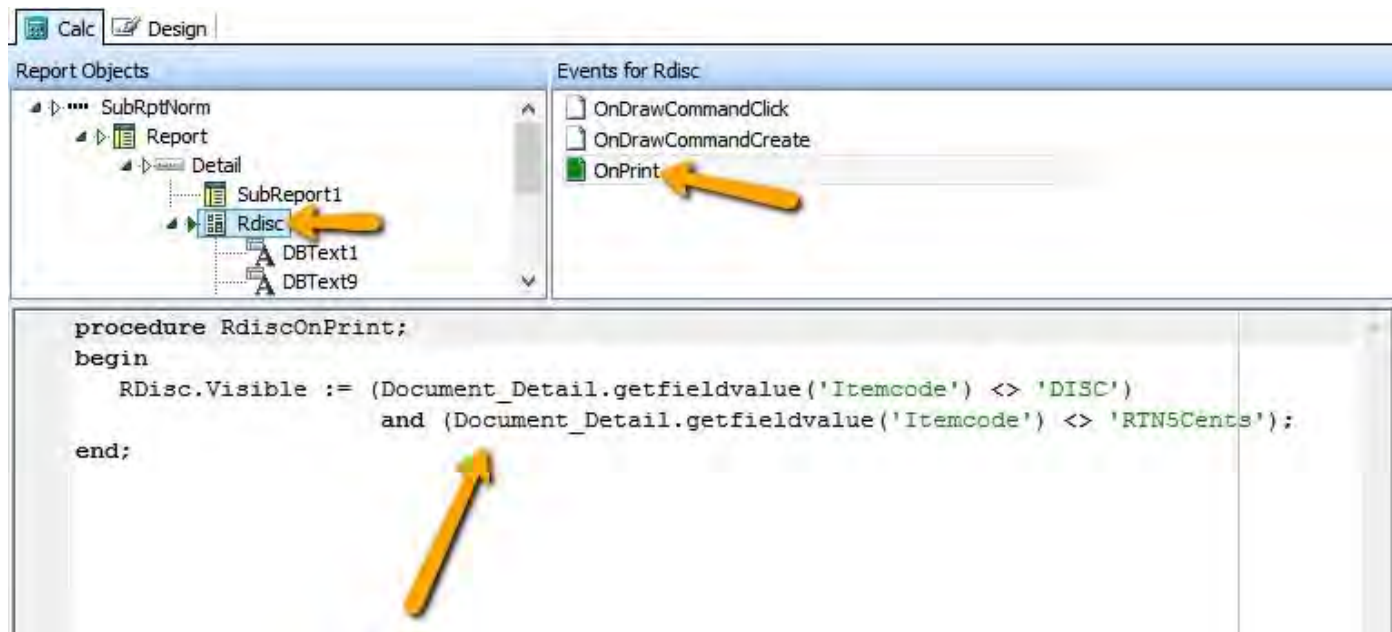




17. Click on Calc tab | Right Click select Events



18. Look for RDisc | Select OnOnPrint | Place the syntax inside bottom box



Syntax :

```
RDisc.Visible := (Document_Detail.getfieldvalue('Itemcode') <> 'DISC')  
                and (Document_Detail.getfieldvalue('Itemcode') <> 'RTN5Cents');
```

*Note : RDisc is your object name, if you object name is Region1, then have to change as below :*

```
Region1.Visible := (Document_Detail.getfieldvalue('Itemcode') <> 'DISC')  
                  and (Document_Detail.getfieldvalue('Itemcode') <> 'RTN5Cents');
```

Done.