

Report Design – How to do Rounding in Report Design ?

Sample Invoice with Rounding RM 0.02

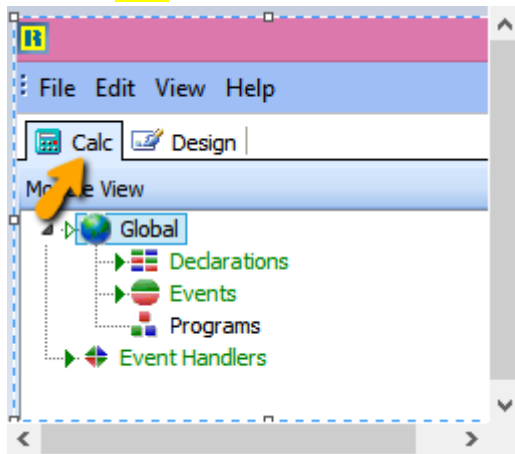
The screenshot shows an 'Invoice' application window. At the top, it says 'Invoice' and 'Cancelled' with a checkbox. The customer information is: Customer: 300-A0002, ALPHA & BETA COMPUTER, Address: 838 JALAN WORLD, 40485 RAWANG, SELANGOR DE. Description: Sales. A 'Profit Estimator' button is visible. A pop-up box shows: Inv No: CYS2015-00449, Next No: CYS2015-00450, Date: 01/08/2015, Agent: SY, Terms: 45 Days, Ref 1, Ext. No. The main table lists items: ANT (ANTENNA) with Qty 1.00, U/Price 900.22, UOM UNIT, Sub Total 900.22, Tax SR, Tax Amount 54.01, and Sub Total 954.23; and RTN5Cents (RTN5Cents) with Qty 1.00, U/Price 0.02, UOM UNIT, Sub Total 0.02, Tax, Tax Amount 0.00, and Sub Total 0.02. A summary row shows 2 records, Qty 2.00, Sub Total 900.24, Tax 54.01, and Sub Total 954.25. Totals at the bottom: Deposit Amount: 0.00, Local Net Total: 954.25, Net Total: 954.25. Buttons for New, Edit, Delete, Save, Cancel, Refresh, Browse, and Close are on the right.

1. Using Tax Invoice format 06-Tax-Invoice

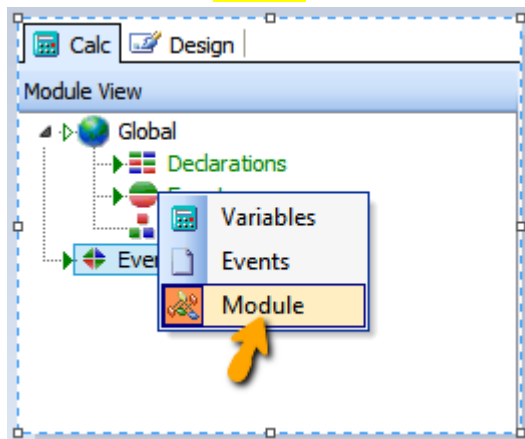
The screenshot shows the 'Report Builder' interface. It displays a 'Tax Invoice' report design. The report content includes: GST: 00011123456, GST No: 000123449, Page 1 of 1, Bill To: ALPHA & BETA COMPUTER, Address: 838 JALAN WORLD, 40485 RAWANG, SELANGOR DE, Bill No: CYS2015-00449, Bill Date: 01/08/2015, PO No, Ref. No, Terms: 45 Days, ADN: MR ALPHA, Tel. No: 03-48573889, Fax No: 03-48573890. The item list is: 1 ANTENNA (Qty 1.00, UOM UNIT, Price/Unit 911.24, Amount 911.24, Tax Code SR), 2 RTN5Cents (Qty 1.00, UOM UNIT, Price/Unit -0.01, Amount (0.01)). The footer shows 'Page 1 of 1', '04.04.2015 11:36:53', and a blue link '06-Tax-Invoice' with a yellow arrow pointing to it.

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

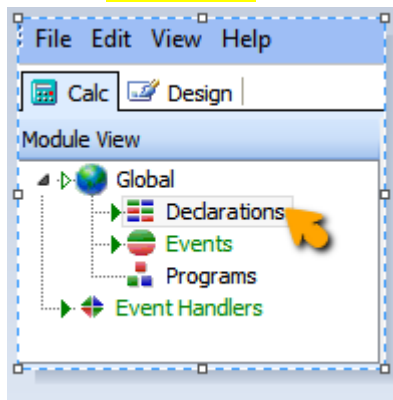
2. Click on **Calc** Tab



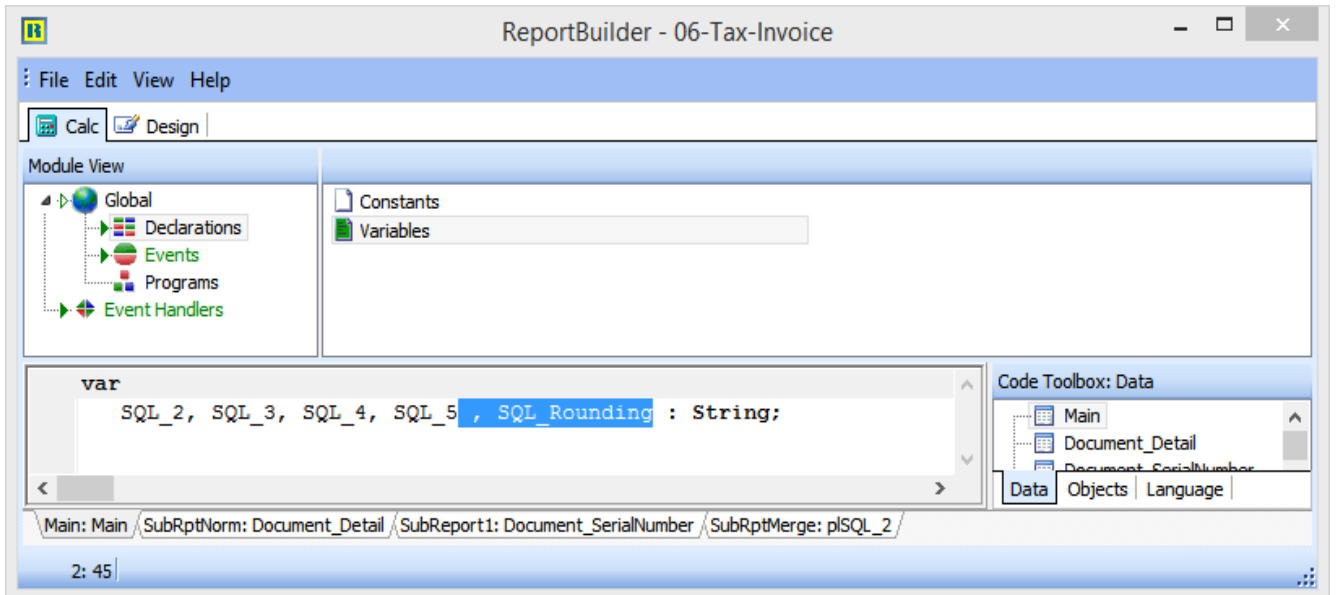
3. Right Click select **Module**



4. Click on **Declarations**



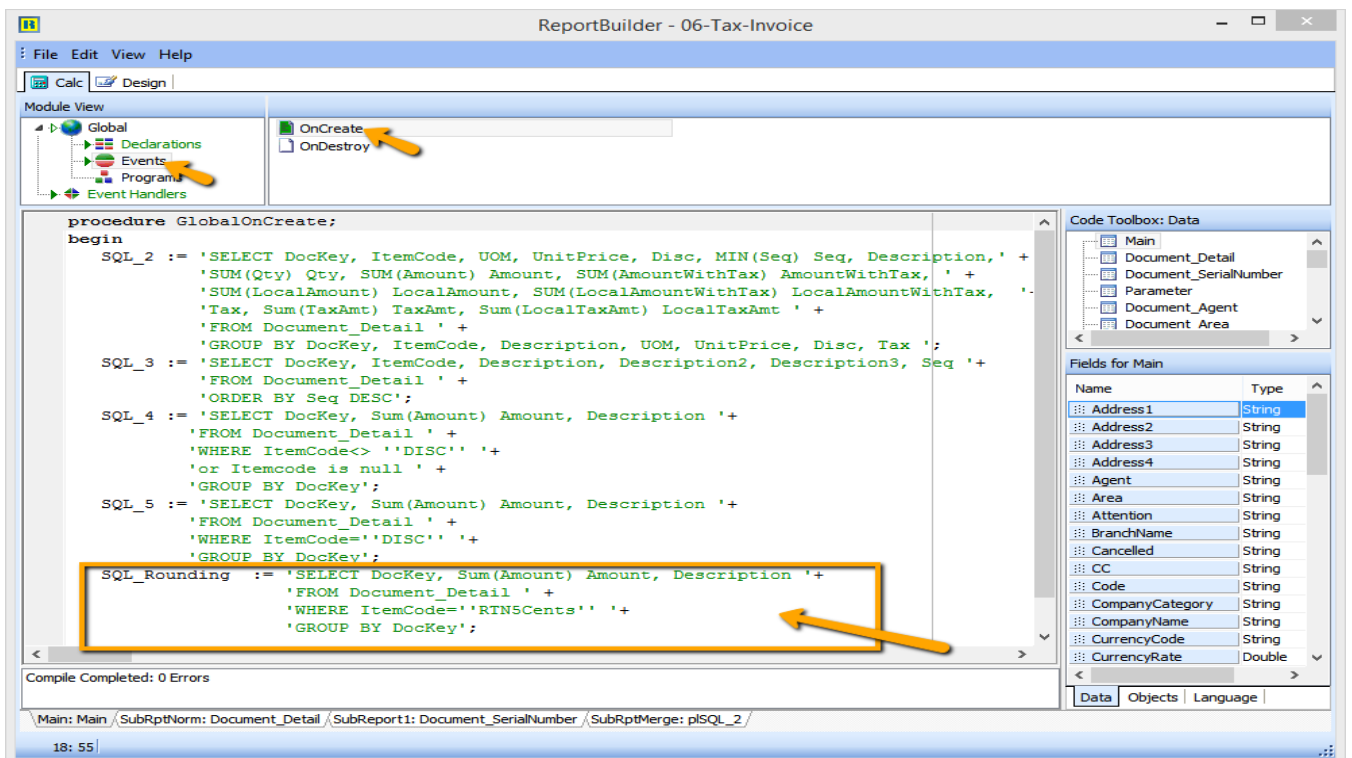
5. Declare **SQL_Rounding** under Variable



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';

```

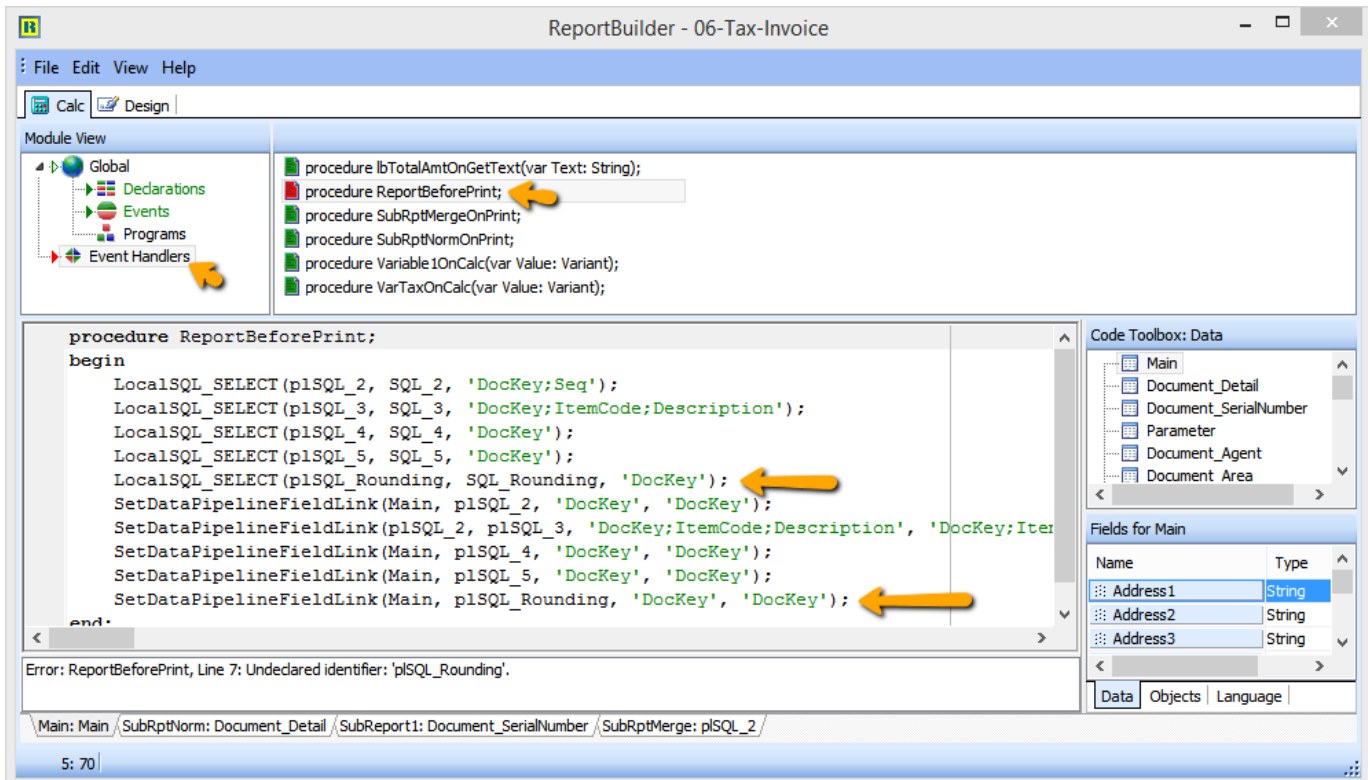
SQL_4 := 'SELECT DocKey, Sum(Amount) Amount, Description '+
 'FROM Document_Detail ' +
 'WHERE ItemCode <> "DISC" '+
 'or Itemcode is null ' +
 'and ItemCode <> "RTN5Cents" ' +
 'GROUP BY DocKey';

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

```

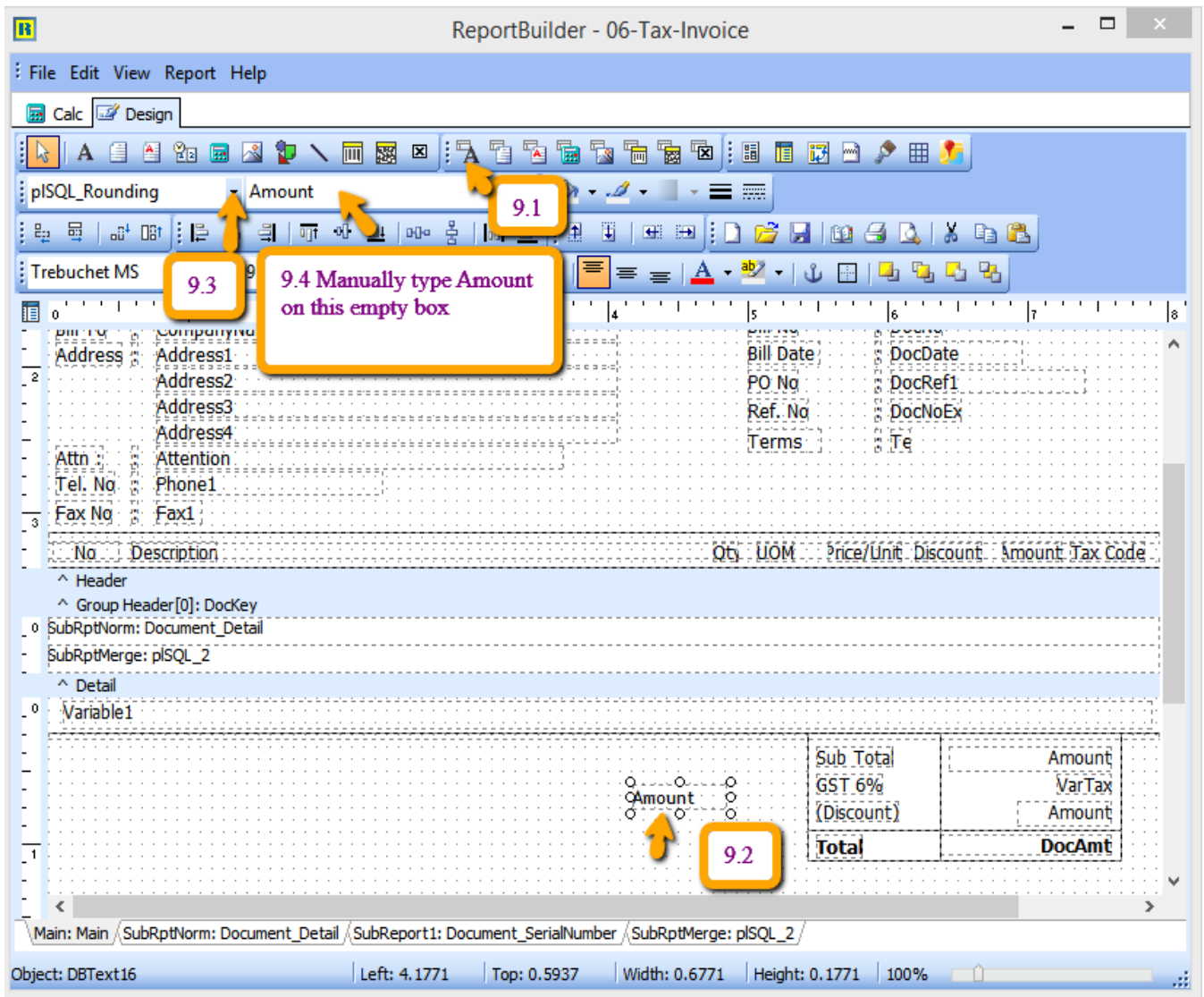
LocalSQL_SELECT(p1SQL_Rounding, SQL_Rounding, 'DocKey');
SetDataPipelineFieldLink(Main, p1SQL_Rounding, 'DocKey', 'DocKey');

```



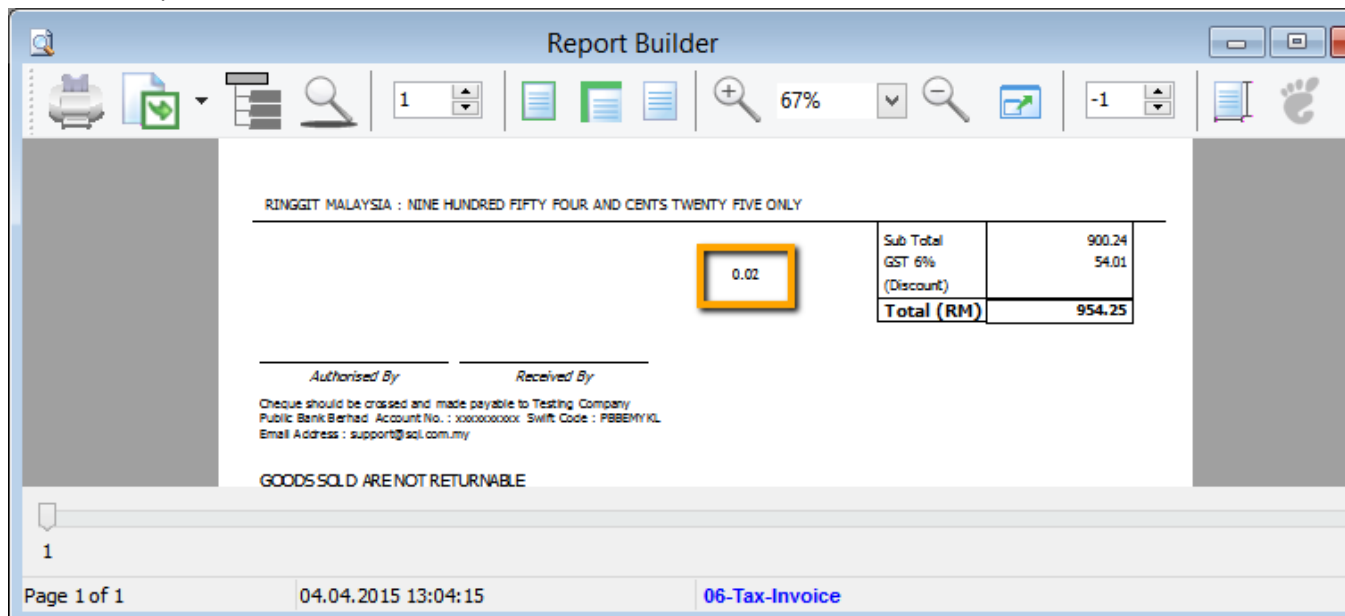
- File | Save | Exit from report design and go in to Report Design again.

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



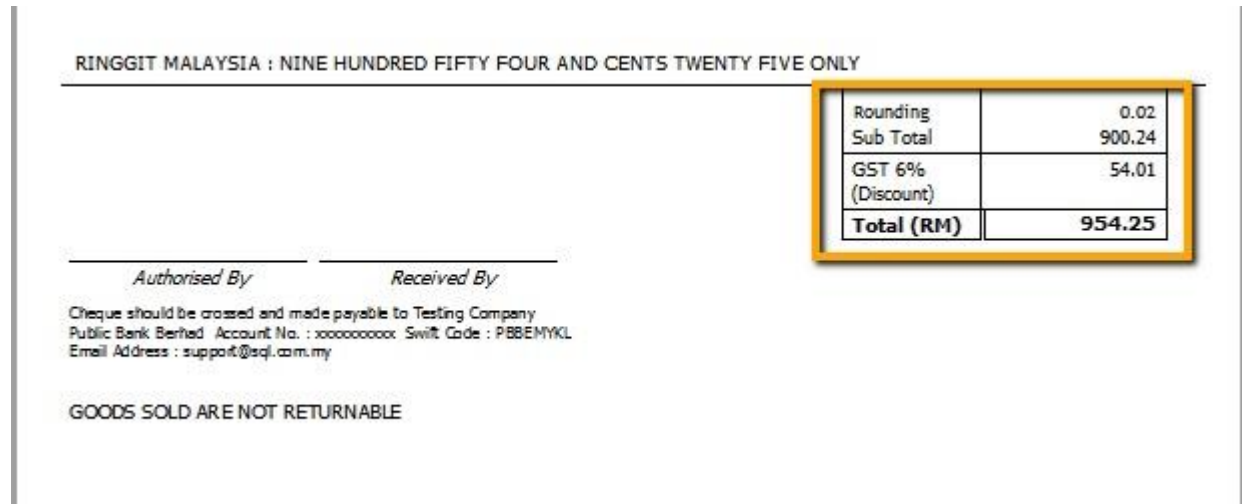
- 9.1 : Click on DBText
- 9.2 Place at the Group Footer area
- 9.3 : Select pSQL_Rounding
- 9.4 : Manually type in Amount

Here the output :



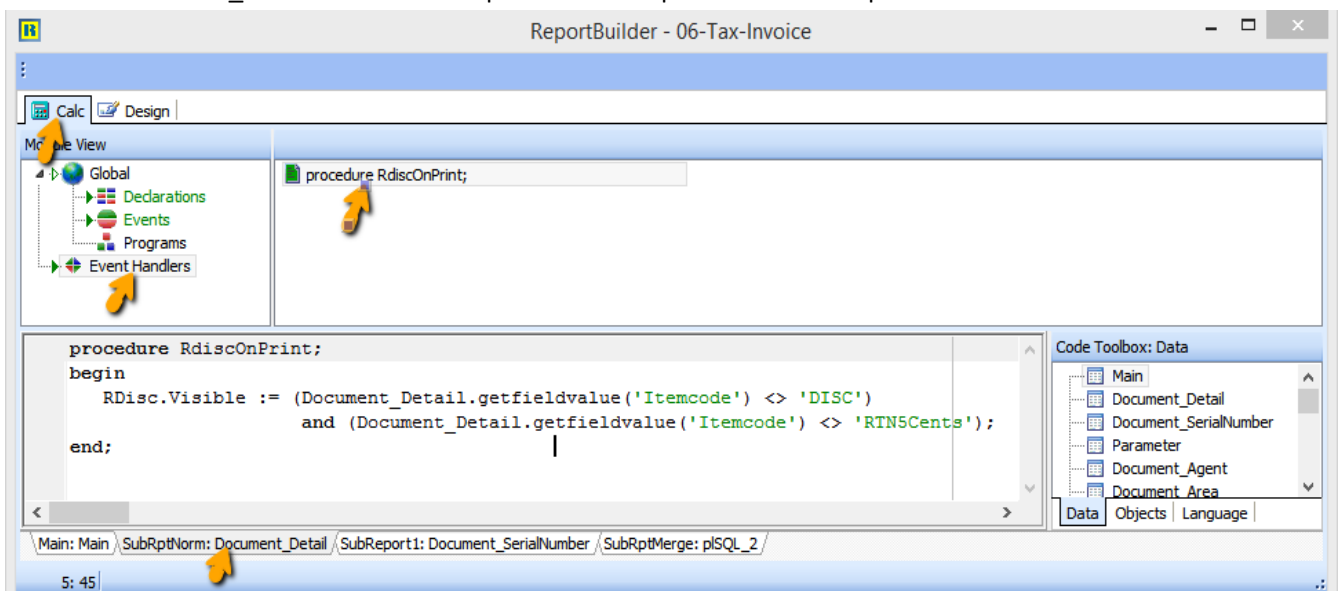
After adjust the place :

Here the output :



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

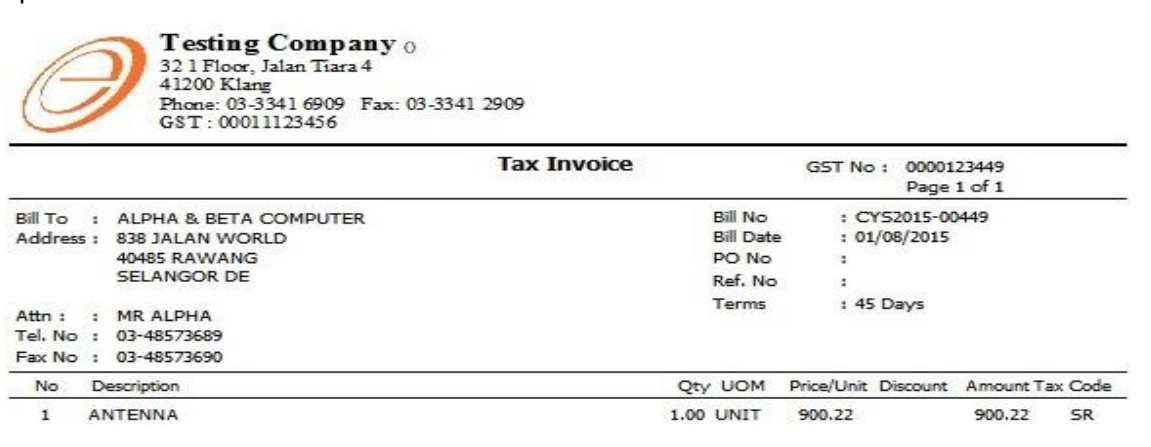


Syntax :

```

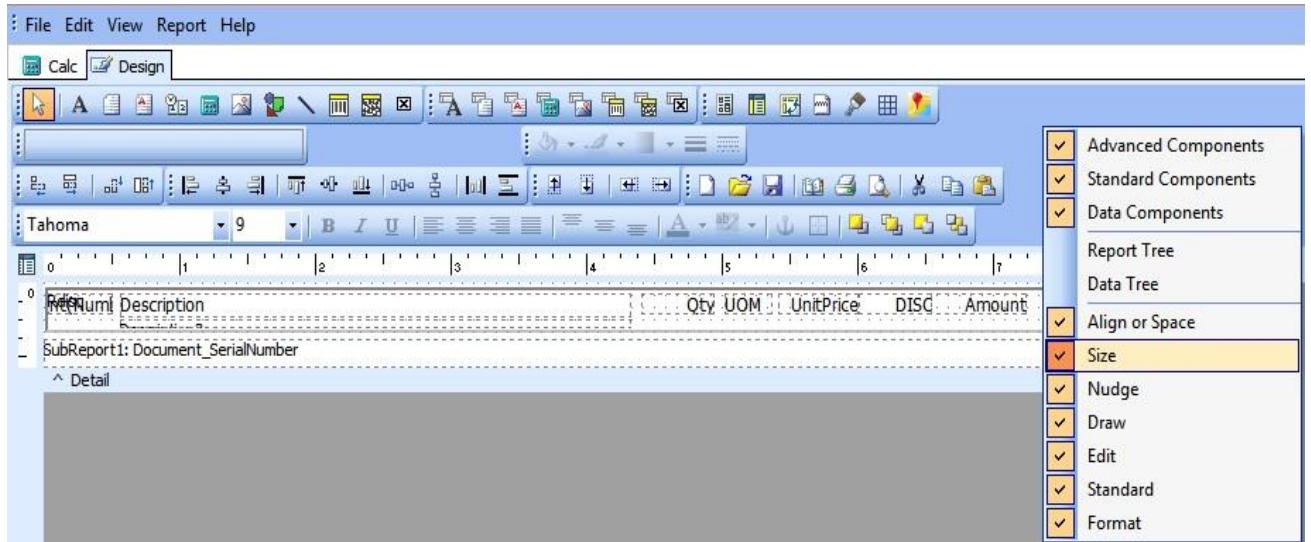
RDisc.Visible := (Document_Detail.getfieldvalue('Itemcode') <> 'DISC')
                  and (Document_Detail.getfieldvalue('Itemcode') <> 'RTN5Cents');
    
```

Output :



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

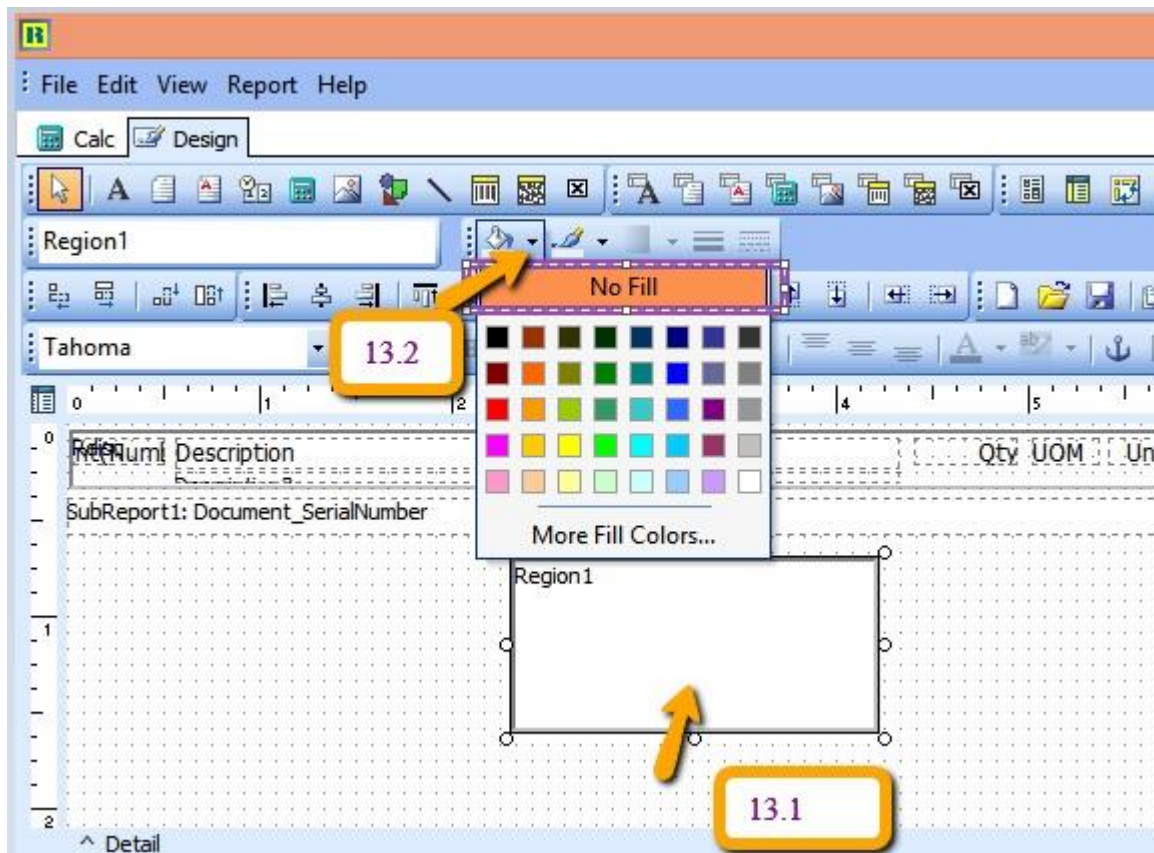
11. Right click tick all the Toolbars



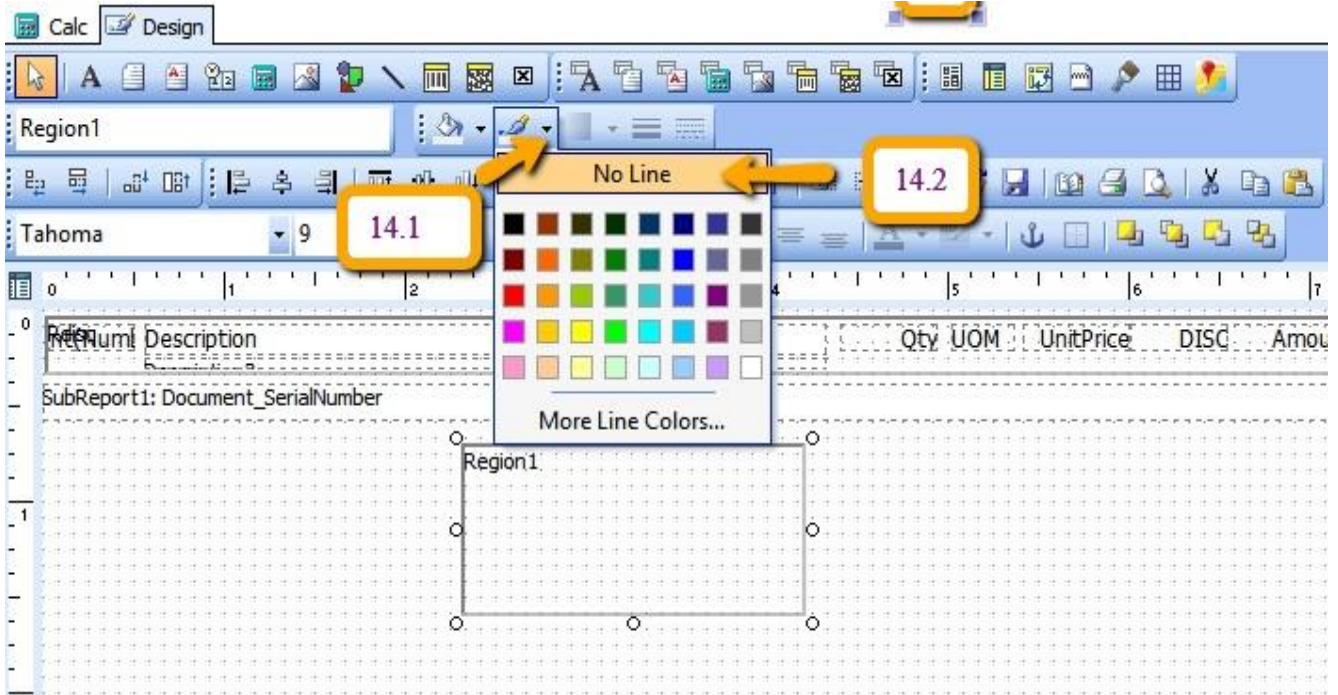
12. Click on Region component



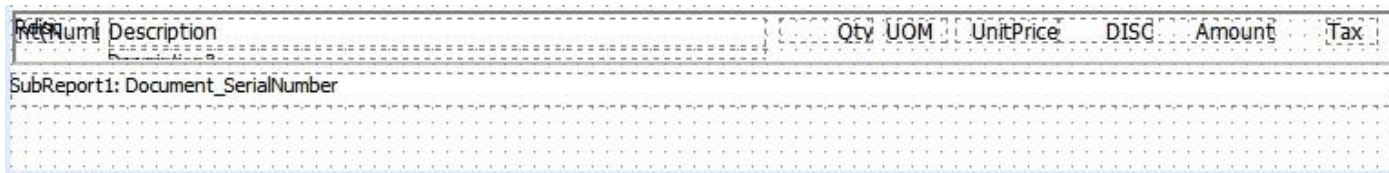
13. Place at the design grid | Click at the region | Select no Fill



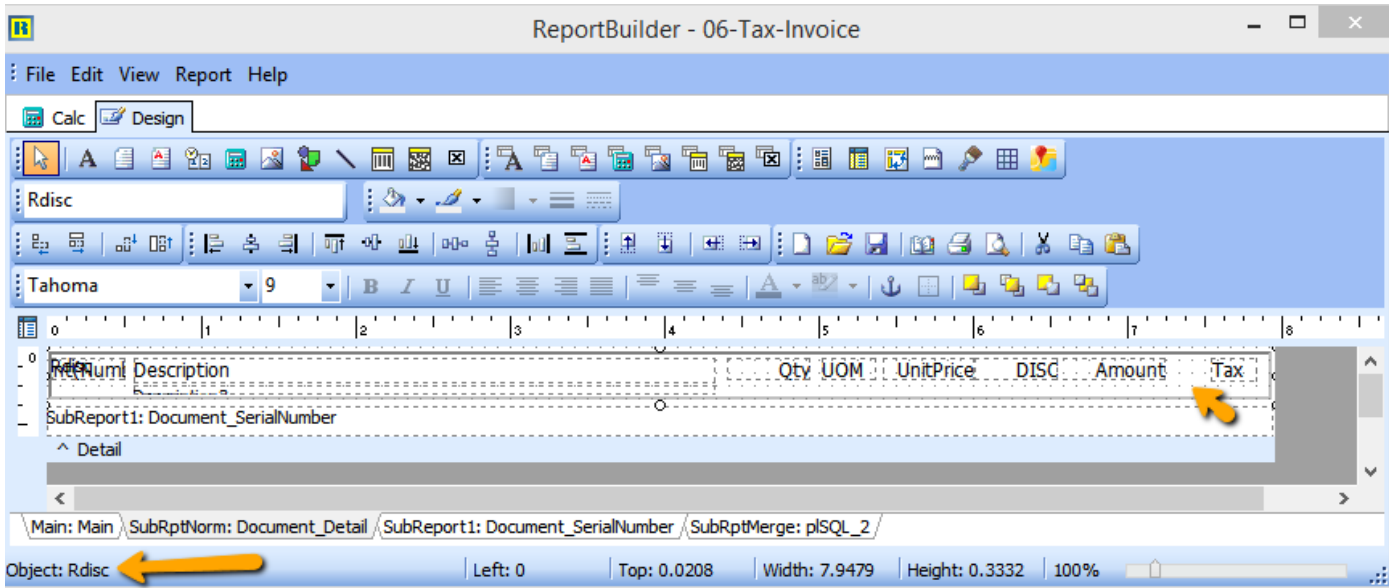
14. Select No Line



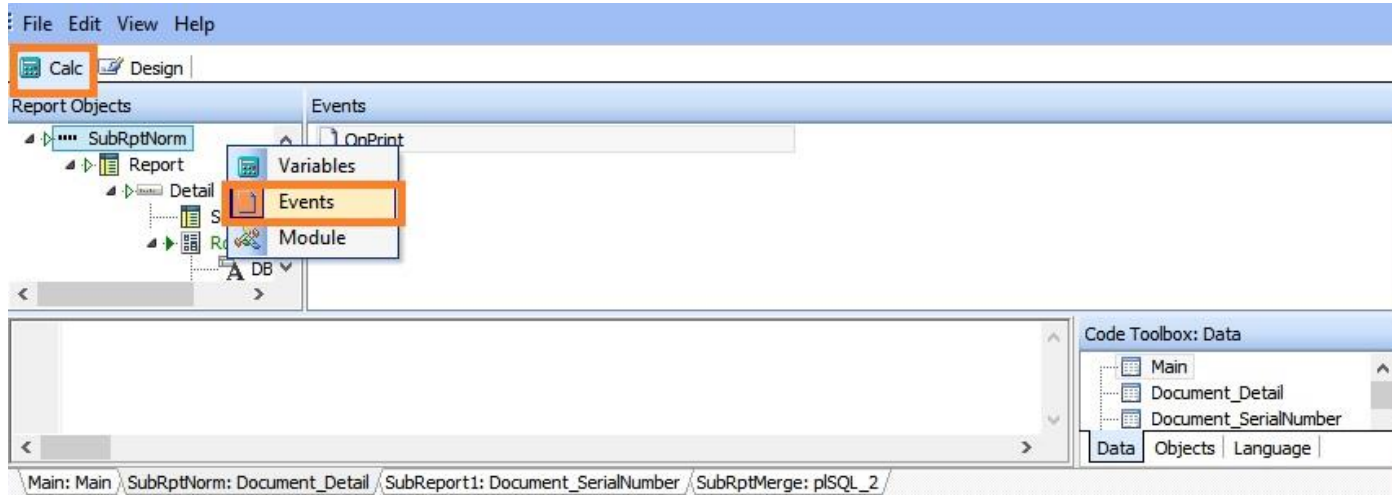
15. Place all the DBtext/DBRichText inside the Region.



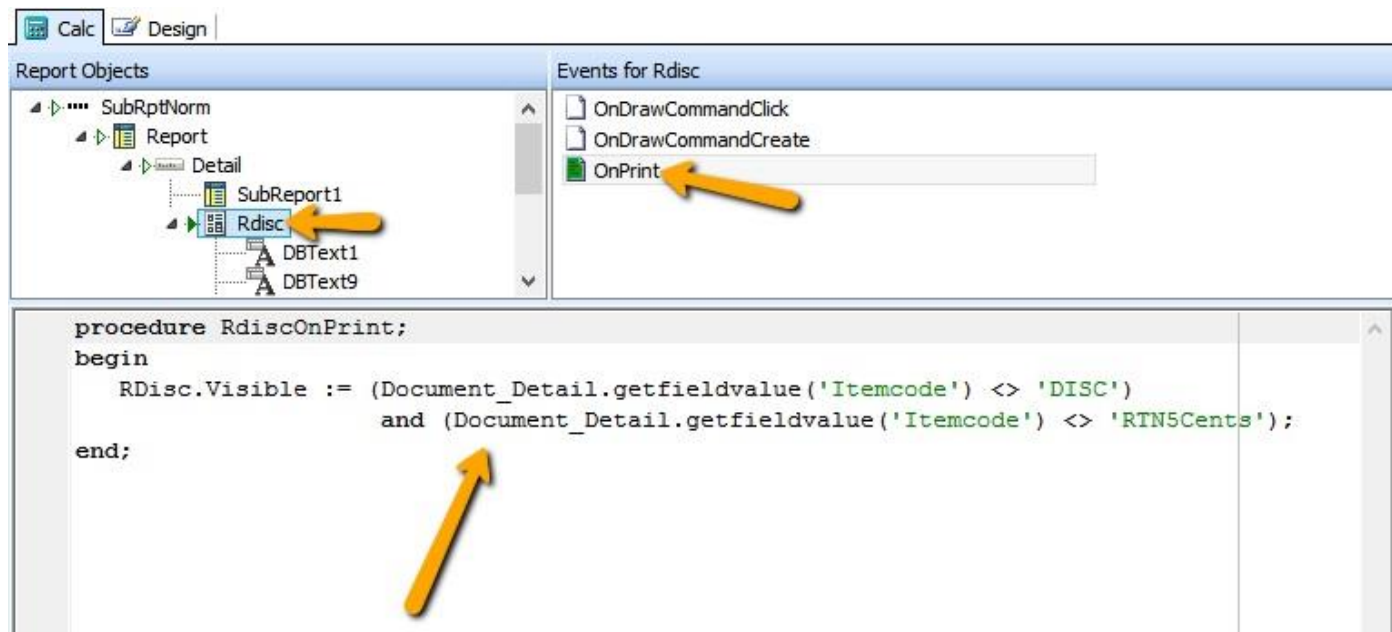
16. Click on Region to check the object name :



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.