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General View on Whole Reports

In this tutorial, we will guide on how create a Driver Commission Report for the Month in Sales Invoice Listing.

The commissions will be calculated once the invoice is created, and no payment required. It calculates based on each trip and each item have its own commission rate.

This is the sample report.

Testing Company (200301008596 (611016-M)) Page 1 of 3

Doc. No.	Doc. Date	Due Date	Name	Item Code	Qty	Amount	Comm. Rate	Total Comm.
DEFAULT LOCATION								
IV-00008	30/06/2024	29/07/2024	YA SQUARE	ER/Lamp	5	5,062.50	1.7340	8.67
IV-00010	01/07/2024	29/07/2024	WENDY DESIGN GROUP	MPCT	1	400.00	1.0500	1.05
IV-00014	08/07/2024	29/07/2024	YA SQUARE	OL/LED/Beige	10	4,920.00	2.5755	25.76
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	PF35-Sofa	3	4,500.00	1.5545	4.66
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	SS/Navy-01	10	300.00	0.1500	1.50
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	SPM-King	3	5,700.00	0.9650	2.90
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	ER/Lamp	3	2,400.00	1.7340	5.20
IV-00017	12/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	RL-Pkw	3	396.00	0.3350	1.01
Sub-Total of	DEFAULT LOCATION				38	23,678.50		50.75
ALVIN								
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	LD/White	5	4,375.00	0.9150	4.58
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	LD/Silver	5	4,375.00	0.7850	3.93
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	PF35-Sofa	10	21,000.00	1.5545	15.55
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	ER/Lamp	10	10,500.00	1.7340	17.34
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	MPCT	10	5,250.00	1.0500	10.50
Sub-Total of	ALVIN				40	45,500.00		102.65
CALEB								
IV-00001	11/06/2024	29/07/2024	THAI TEA TRADING	RFC/Blue	10	400.00	0.1500	1.50

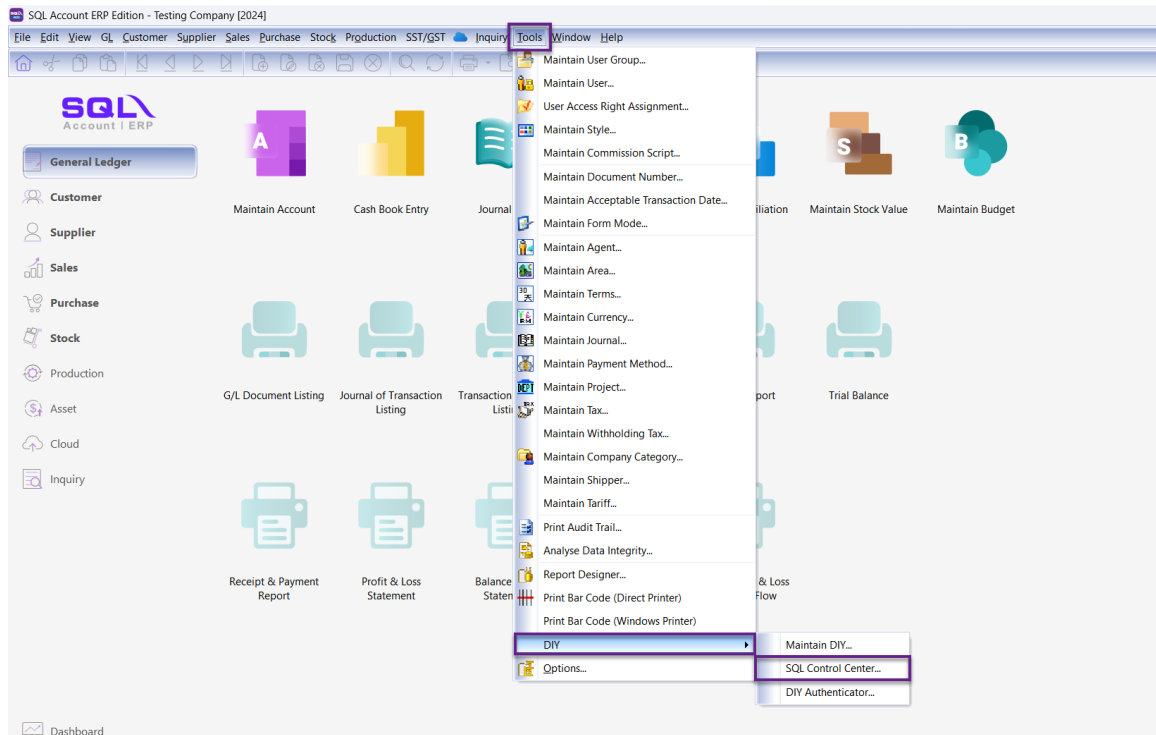
Fields below are the references:

Field Name	Description
Location	Driver Name
Commission Rate	Maintain Stock Item
Total Commission	Commission Rate (%) * Quantity

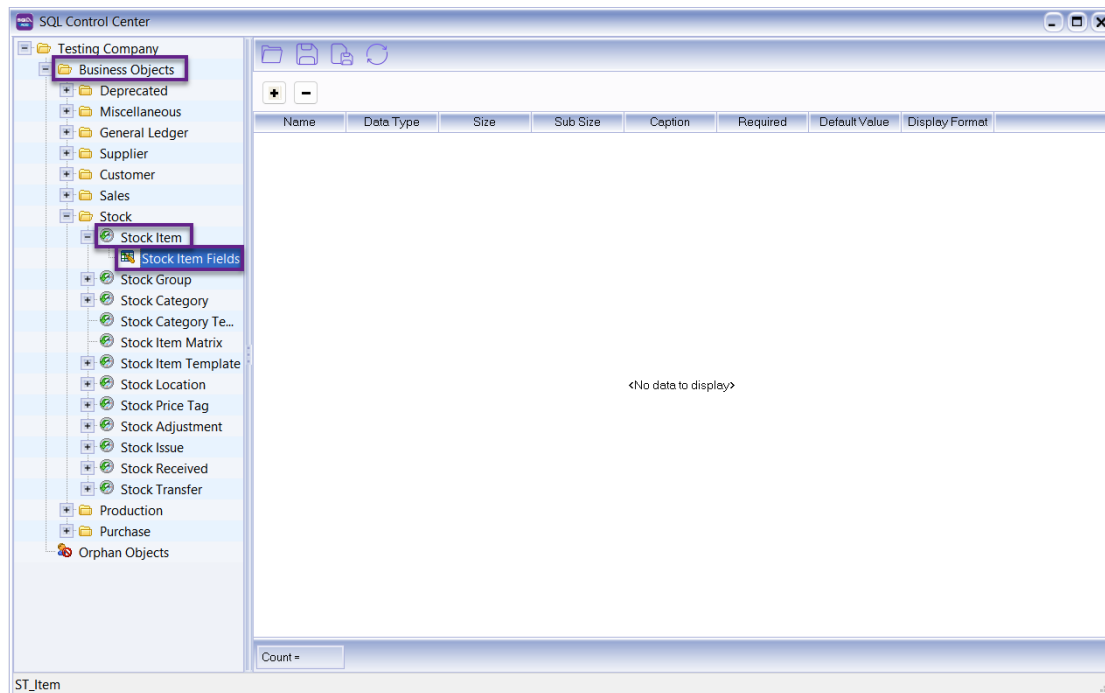
Step 1 : Create New DIY Field - CommRate (%)

Before starting with the report design, you need to create a DIY Field in the Maintain Stock Item.

1. Go to Tools, select DIY, and open the SQL Control Center

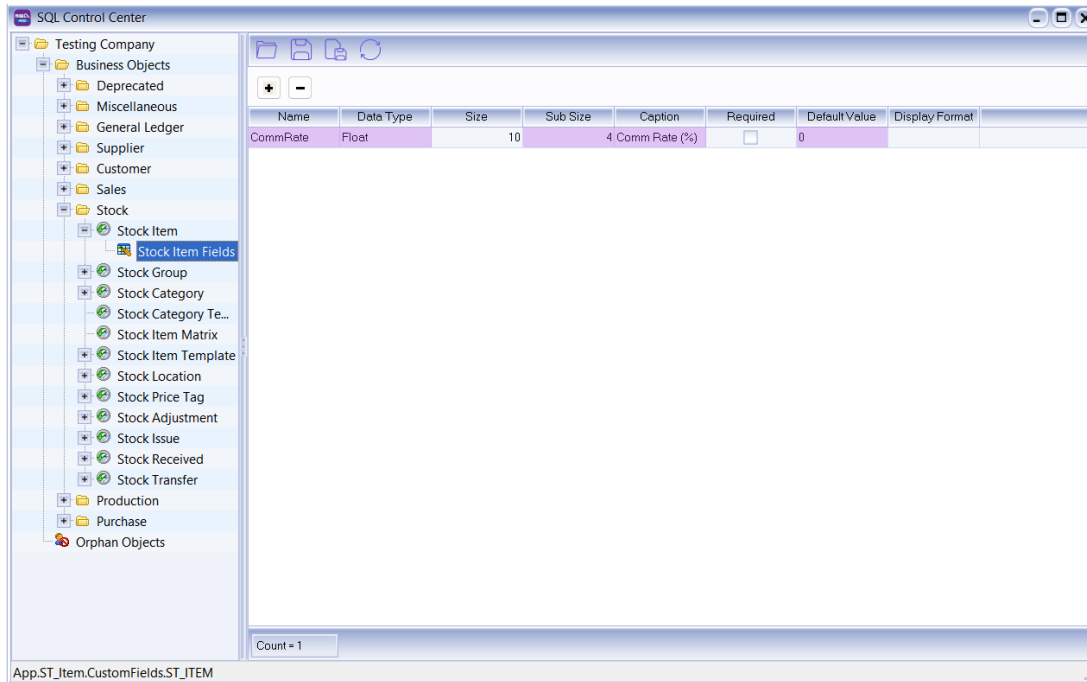


2. Under Business Objects, search for Stock Item, and click on Stock Item Field



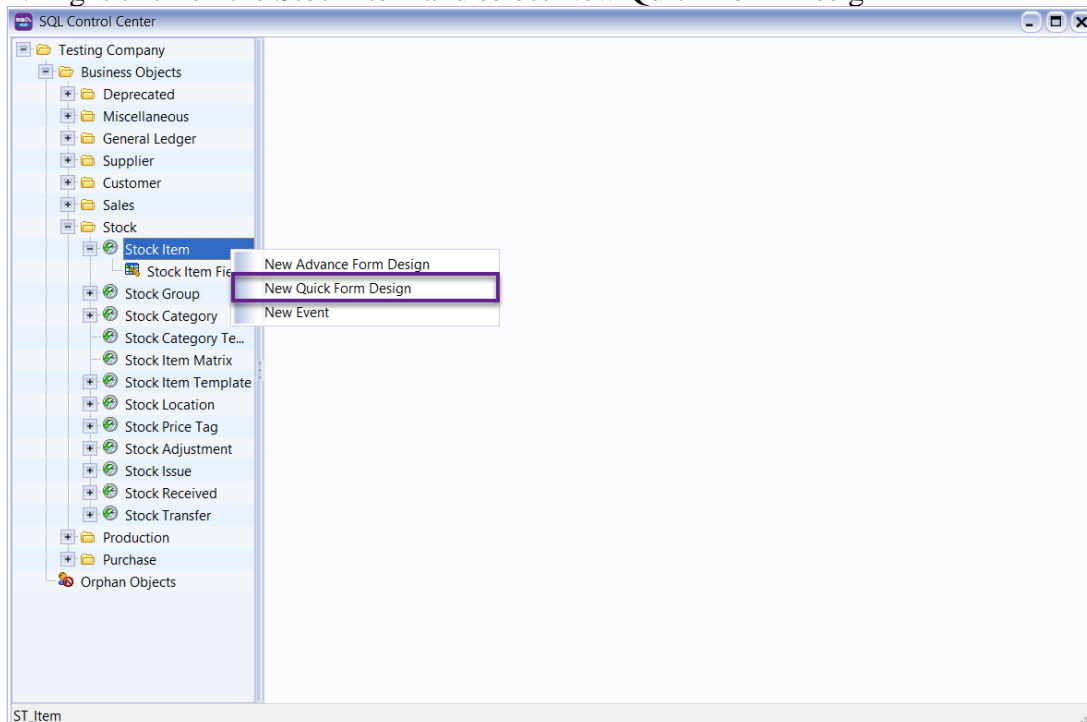
3. Add a new field and follow the following settings

Name	CommRate
Data Type	Float
Subsize (decimal places)	4
Caption	Comm Rate (%)
Default Value	0

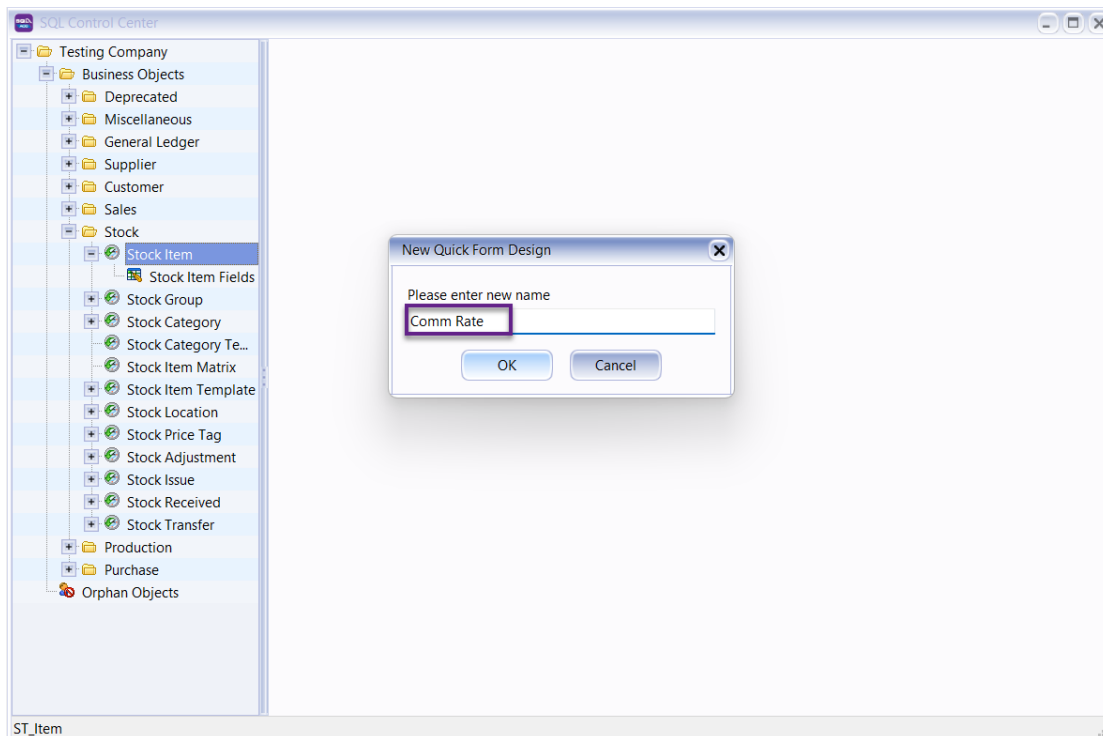


Once done, save it.

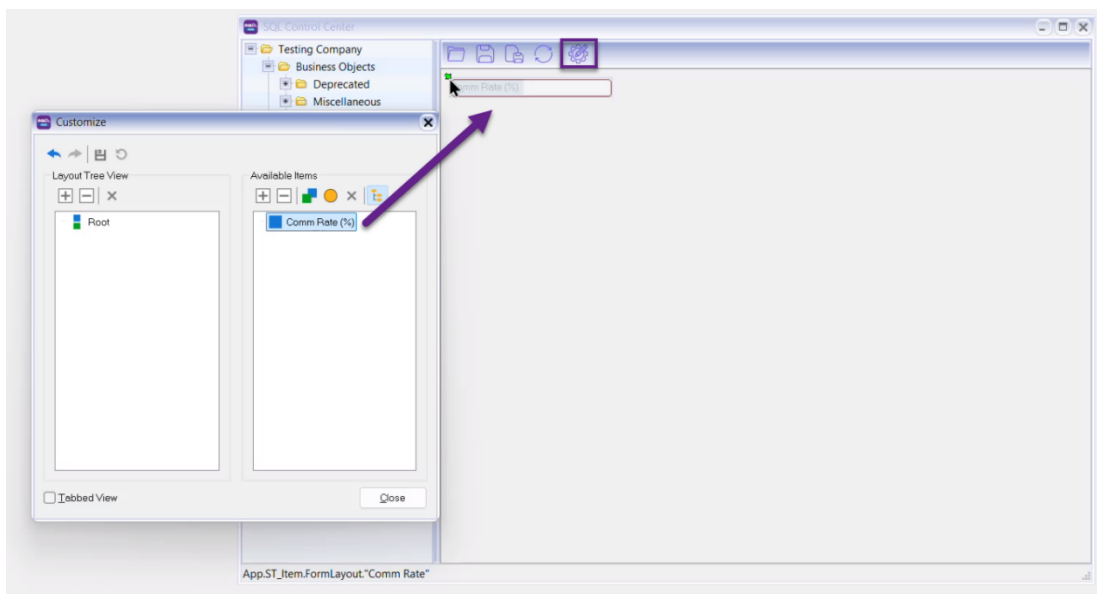
4. Right click on the Stock Item and select New Quick Form Design



5. Enter the tab name with Comm Rate (or any tab name that you preferred)



6. Click on Setting Icon and drag the Comm Rate field to the Report mode.



Save it once done.

Now, you can see the Comm Rate (%) under Maintain Stock Item.

The screenshot displays the 'Maintain Stock Item' interface. The main form contains the following data:

- Code:** BOM-01/Black
- Description:** Premium PU Leather Ultimate Gaming Chair (Black)
- Item Group:** FURNITURE
- Base UOM:** UNIT
- Ref. Cost:** 107.00
- Ref. Price:** 700.00
- Reorder Level:** 10.00
- Reorder Qty:** 20.00
- Lead Time:** 0
- Output Tax:** (dropdown)
- Input Tax:** (dropdown)
- Bal Qty:** 5.00

At the bottom, a tabbed interface is visible with the following tabs: UOM, Cust. Price, Supp. Price, BOM, More Desc., Opn Bal., Category, Alternative, Cust. Item, Supp. Item, Barcode, Note, and **Comm Rate**. The 'Comm Rate' tab is active, showing a single input field labeled 'Comm Rate (%)'.

Step 2 : Create Available Pipeline - Sort By Location

Since there is no Location grouping in Sales Invoice Listing, we need to create an available pipeline to sort the data by Location.

1. Select Sales Invoice Listing, group by Level 1 (can select any of the groupings, e.g. Customer Code)

Doc No	Date	Company Name	Agent	Area	Project	Currency Code	Net Total	Cancelled
IV-00004	29/12/2024	A HOME FURNISHING & SERVICE	Yuki	KL	----	----	1,370.00	<input type="checkbox"/>
IV-00005	29/12/2024	C ART TECHNOLOGY HUB	Gabriel	KL	----	----	1,200.00	<input type="checkbox"/>
IV-00018	01/12/2024	DREAM VILLA FURNITURE	Ashley	KL	----	----	7,900.00	<input type="checkbox"/>
IV-00012	09/12/2024	DREAM VILLA FURNITURE	Ashley	KL	----	----	1,900.00	<input type="checkbox"/>
IV-00015	09/12/2024	GOGO HOME DECOR	Ashley	KL	----	----	12,900.00	<input type="checkbox"/>
IV-00011	07/12/2024	G DELUXE HOTEL	Gabriel	KL	----	----	19,035.00	<input type="checkbox"/>
IV-00006	21/12/2024	G DELUXE HOTEL	Gabriel	KL	----	----	2,470.00	<input type="checkbox"/>
IV-00009	03/12/2024	GOHILLS INTERNATIONAL GROUP	Ashley	Singapore	----	SGD	450.00	<input type="checkbox"/>
IV-00017	05/12/2024	GOHILLS INTERNATIONAL GROUP	Ashley	Singapore	----	SGD	120.00	<input type="checkbox"/>
IV-00013	11/12/2024	GOHILLS INTERNATIONAL GROUP	Ashley	Singapore	----	SGD	28,700.00	<input type="checkbox"/>
IV-00014	08/12/2024	YA SQUARE	Ashley	US	----	USD	1,200.00	<input type="checkbox"/>
IV-00016	12/12/2024	YA SQUARE	Ashley	US	----	USD	30.00	<input type="checkbox"/>
IV-00003	19/12/2024	YA SQUARE	Ashley	US	----	USD	14,000.00	<input type="checkbox"/>
IV-00008	31/12/2024	YA SQUARE	Ashley	US	----	USD	1,250.00	<input type="checkbox"/>
IV-00001	11/12/2024	THAI TEA TRADING	Yuki	Selangor	----	----	800.00	<input type="checkbox"/>
IV-00007	30/12/2024	WOODY FURNITURE ENTERPRISE	Gabriel	Selangor	----	----	2,026.00	<input type="checkbox"/>
IV-00010	01/12/2024	WENDY DESIGN GROUP	Ashley	Selangor	----	----	400.00	<input type="checkbox"/>
IV-00002	11/12/2024	WENDY DESIGN GROUP	Ashley	Selangor	----	----	5,990.00	<input type="checkbox"/>

Use the standard report name: Sales Local - Invoice Listing - Level 1

Select Report

- Sales Local - Invoice Collection Report - Level 1
- Sales Local - Invoice Listing - Level 1**
- Sales Multi - Invoice Listing - Level 1
- Sales Multi - Invoice Listing (GST 1) - Level 1 - TaxInclusive

Select All

OK Cancel

2. Go into report designer

Sales Local - Invoice Listing - Level 1.rtm

Date : From 01/12/2024 to 31/12/2024
 Document : All
 Company : All
 Co Category : All
 Agent : All
 Area : All
 Currency : All
 Doc Project : All
 Project : All
 Branch : All
 Location : All
 Category : All
 Invl Cancelled : No
 Group By : Code
 Sort By : Code;DocDate;DocNo

15/01/25 4:49 PM

Invoice Listing As At 31/12/2024

Testing Company (200301098596 (111016-M)) Page 1 of 2

Doc. No	Doc. Date	Code	Name	Amount (MYR)
300-A0001 A HOME FURNISHING & SERVICE				
IV-00004	29/12/2024	300-A0001	A HOME FURNISHING & SERVICE	1,370.00
Sub-Total of A HOME FURNISHING & SERVICE				1,370.00
300-C0001 C ART TECHNOLOGY HUB				
IV-00005	29/12/2024	300-C0001	C ART TECHNOLOGY HUB	1,200.00
Sub-Total of C ART TECHNOLOGY HUB				1,200.00
300-D0001 DREAM VILLA FURNITURE				
IV-00018	01/12/2024	300-D0001	DREAM VILLA FURNITURE	7,900.00
IV-00012	09/12/2024	300-D0001	DREAM VILLA FURNITURE	1,900.00
Sub-Total of DREAM VILLA FURNITURE				9,800.00
300-G0001 GOGO HOME DECOR				
IV-00015	09/12/2024	300-G0001	GOGO HOME DECOR	12,900.00
Sub-Total of GOGO HOME DECOR				12,900.00
300-G0002 G DELUXE HOTEL				
IV-00011	07/12/2024	300-G0002	G DELUXE HOTEL	19,035.00
IV-00006	21/12/2024	300-G0002	G DELUXE HOTEL	2,470.00
Sub-Total of G DELUXE HOTEL				21,505.00
300-G0003 GOHILLS INTERNATIONAL GROUP				
IV-00009	03/12/2024	300-G0003	GOHILLS INTERNATIONAL GROUP	1,417.50
IV-00017	05/12/2024	300-G0003	GOHILLS INTERNATIONAL GROUP	396.00

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15/01/2025 16:49:41
Sales Local - Invoice Listing - Level 1.rtm

3. Under Calc, right click select Module

ReportBuilder - Sales Local - Invoice Listing - Level 1.rtm

File Edit View Help
 Calc Design

Report Objects

- Report
 - DBTextSortby
 - Label18
 - Label21
 - DBText16
 - Label1
 - Label20
 - DBText10
 - DBText101
 - DBText102
 - DBText104
 - DBText15
 - DBText17
 - Label10
 - Label101
 - Label12
 - Label13
 - Label15
 - Label16
 - Label19
 - Label23
 - Label24
 - Label25
- Events
 - AfterAutoSearchDialogCreate
 - AfterEmail
 - AfterOpenData/pelhes
 - AfterPrint
 - BeforeAutoSearchDialogCreate
 - BeforeEmail
 - BeforeOpenData/pelhes
 - BeforePrint
 - PreviewFormSettings
 - Variables ArchDialogClose
 - Events
 - Module
 - DialogClose
 - OnCancelDialogCreate
 - OnClickDriveError
 - OnCmdMtnor
 - OnEndColumn
 - OnEndFstPass
 - OnEndPage
 - OnEndSecondPass
 - OnEndViewCreate
 - OnGetAutoSearchValues
 - OnInitBalzParameters
 - OnNoData

Code Toolbox: Data

- Main
- Document_Detail
- Document_SerialNumber

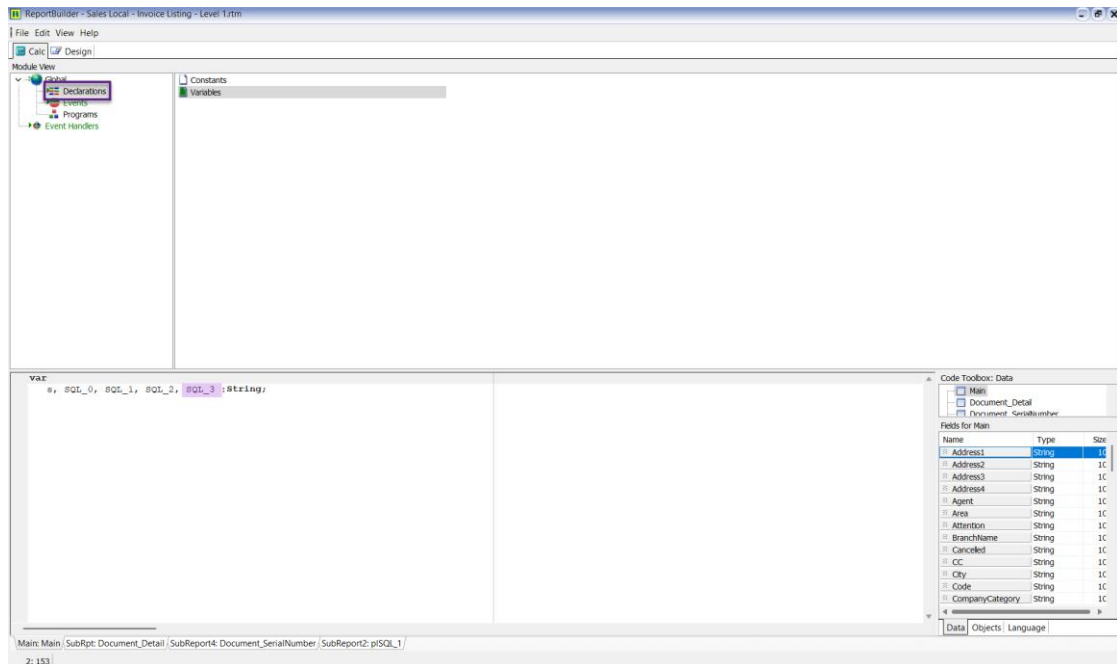
Fields for Main

Name	Type	Size
Address1	String	1C
Address2	String	1C
Address3	String	1C
Address4	String	1C
Agent	String	1C
Area	String	1C
Attention	String	1C
BranchName	String	1C
Cancelled	String	1C
CC	String	1C
City	String	1C
Code	String	1C
CompanyCategory	String	1C

Main Main | SubRpt: Document_Detail | SubReport4: Document_SerialNumber | SubReport2: piSQL_1

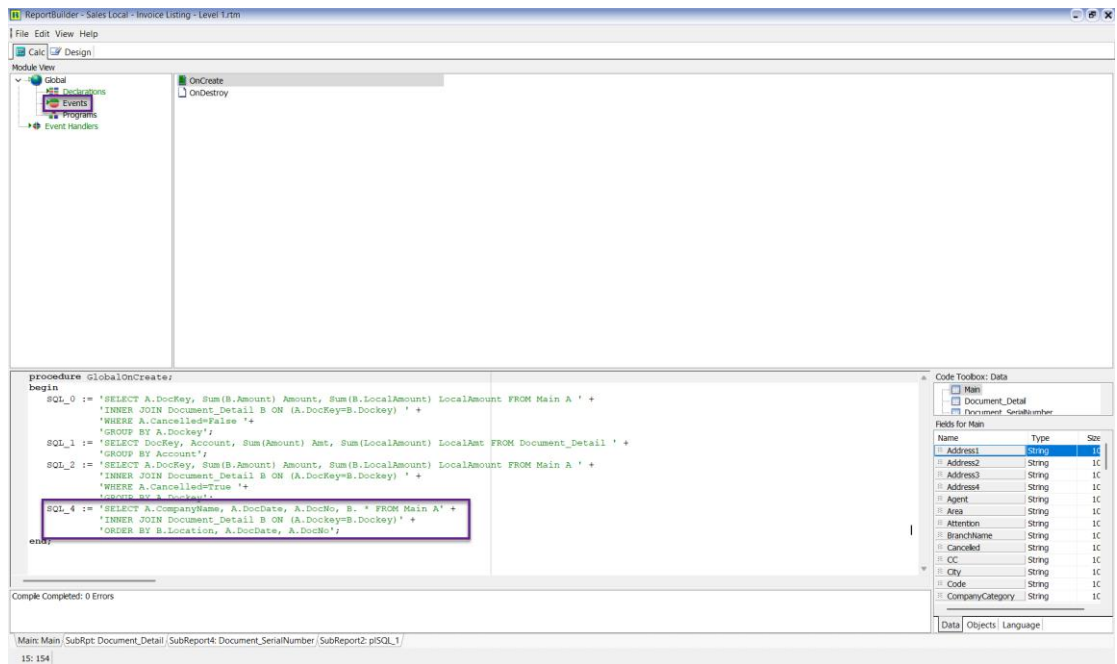
43: 53

- At Declaration, create a new data pipeline as SQL_3 (or any unique name that hasn't been used before)



More details at Youtube video : [Report Builder \(RTM\) - Get Data From Available Pipeline](#)

- In Event section, insert the following query to capture the data and sort it by Location
This step will include the columns for Main and Document_Details table



```
SQL_4 := 'SELECT A.CompanyName, A.DocDate, A.DocNo, B. * FROM Main A' +
'INNER JOIN Document_Detail B ON (A.Dockey=B.Dockey)' +
'ORDER BY B.Location, A.DocDate, A.DocNo';
```



Include Company Name, Document Date and Document Number from Main table



Include all columns from Document_Detail using Asterisk symbol (*)



Sort data by Location, Document Date and Document Number

6. Go to Event Handlers and choose the procedure ReportBeforePrint

The screenshot shows the ReportsBuilder interface for 'Sales Local - Invoice Listing - Level 1.rptm'. The 'Event Handlers' module is selected in the 'Module View' pane. The 'Code Toolbox' on the right lists various utility functions, including 'LocalSQL_SELECT'. The main code area contains the following code:

```
f1 := TStringList.Create;
pl := TStringList.Create;

LocalSQL_SELECT(p1SQL_0, SQL_0, 'DocKey');
LocalSQL_SELECT(p1SQL_1, SQL_1, 'Account');
LocalSQL_SELECT(p1SQL_2, SQL_2, 'DocKey');

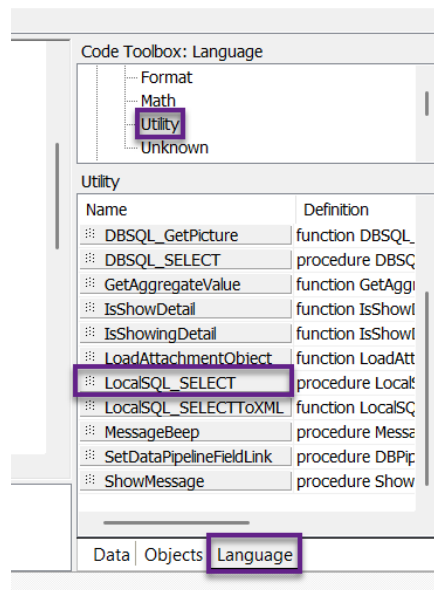
SetDataPipelineFieldLink(Main, p1SQL_0, 'DocKey', 'DocKey');
SetDataPipelineFieldLink(Main, p1SQL_2, 'DocKey', 'DocKey');

f1.Values['Agent'] := 'Agent;Description';
f1.Values['Area'] := 'Area;Description';
f1.Values['CurrencyCode'] := 'CurrencyCode;Description';
f1.Values['Project'] := 'Project;Description';
f1.Values['Code'] := 'Code;CompanyName';
f1.Values['DocDate'] := 'DocDate;DocDate';
f1.Values['CompanyName'] := 'Code;CompanyName';
#1 := f1.Values[1];
```

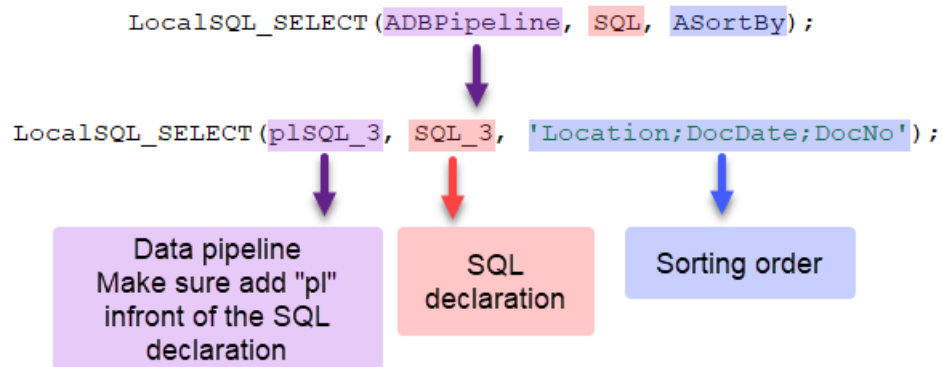
The 'Code Toolbox' shows the following utility functions:

Name	Definition
DBSQL_GetPicture	function DBSQL_
DBSQL_SELECT	procedure DBSQL_
GetAggregateValue	function GetAgg
ISShowingDetail	function ISShow
LoadAttachmentsObject	function LoadAtt
LocalSQL_SELECT	procedure Local
LocalSQL_SELECTToXML	function LocalSQ
MessageBeep	procedure Messe
SetDataPipelineFieldLink	procedure DBPp
ShowMessage	procedure Show

7. Find LocalSQL_SELECT formula from the Code ToolBox



Input the query as below



8. Stringlist code defines as the grouping based on the category selected by user.

```

ReportBuilder - Sales Local - Invoice Listing - Level 1.rtm
File Edit View Help
Calc Design
Module View
Global

LocalSQL_SELECT (p1SQL_2, SQL_2, 'DocKey');
LocalSQL_SELECT (p1SQL_3, SQL_3, 'Location;DocDate;DocNo');
SetDataPipelineFieldLink(Main, p1SQL_0, 'DocKey', 'DocKey');
SetDataPipelineFieldLink(Main, p1SQL_2, 'DocKey', 'DocKey');

f1.Values['Agent'] := 'Agent;Description';
f1.Values['Area'] := 'Area;Description';
f1.Values['CurrencyCode'] := 'CurrencyCode;Description';
f1.Values['Project'] := 'Project;Description';
f1.Values['Code'] := 'Code;CompanyName';
f1.Values['DocDate'] := 'DocDate;DocDate';
f1.Values['CompanyName'] := 'Code;CompanyName';
f1.Values['DocNo'] := 'DocNo;DocNo';
f1.Values['CompanyCategory'] := 'CompanyCategory;Description';
f1.Values['Shipper'] := 'Shipper;Description';

pl.AddObject('Agent', Document_Agent);
pl.AddObject('Area', Document_Area);
pl.AddObject('CurrencyCode', Document_Currency);
pl.AddObject('Project', Document_DocProject);
pl.AddObject('Code', Main);
pl.AddObject('DocDate', Main);
pl.AddObject('CompanyName', Main);
pl.AddObject('DocNo', Main);
pl.AddObject('CompanyCategory', Document_CompanyCategory);
pl.AddObject('Shipper', Document_Shipper);

IGroupBy := ValueOfSemiColonStr(Parameter.GetFieldValue('GroupBy'), 0);
i := f1.IndexOfName(IGroupBy);
if i <> -1 then begin
edCode1.DataField := ValueOfSemiColonStr(f1.Values[iGroupBy], 0);
edCode1.DataPipeline := Main;
edDesc1.DataField := ValueOfSemiColonStr(f1.Values[iGroupBy], 1);
edDesc1.DataPipeline := pl.Object(i);
OBDesc1.DataField := ValueOfSemiColonStr(f1.Values[iGroupBy], 1);
OBDesc1.DataPipeline := pl.Object(i);
Report.Groups[0].BreakName := IGroupBy;
end;
f1.Free;
pl.Free;
end;
    
```

SQL Account ERP Edition - Testing Company [2024]

File Edit View GL Customer Supplier Sales Purchase Stock Production SST/GST Inquiry Tools Window Help

Sales Document Listing

Documents: Invoice Listing

Date: 01/12/2024 to 31/12/2024

Item Project: []

Stk Group: []

Document: []

Customer: []

Agent: []

Area: []

Currency: []

Co. Category: []

Doc Project: []

Category: []

Category Tpl: []

Include Cancelled Documents []

Print Document Style []

Group/Sort By:

- Customer Code
- Date
- Document No
- Customer Name
- Agent
- Area
- Currency
- Doc Project
- Company Category
- Shipper

Apply

Drag a column header here to group by that column or pressing CTRL key with dragged column to merge grouping columns

Doc No	Date	Company Name	Agent	Area
IV-0004	29/12/2024	A HOME FURNISHING & SERVICE	Yuki	KL
IV-0005	29/12/2024	C ART TECHNOLOGY HUB	Gabriel	KL
IV-0018	01/12/2024	DREAM VILLA FURNITURE	Ashley	KL
IV-0012	09/12/2024	DREAM VILLA FURNITURE	Ashley	KL
IV-0015	09/12/2024	GOGO HOME DECOR	Ashley	KL
IV-0011	07/12/2024	G DELUXE HOTEL	Gabriel	KL

Use brace symbols {} to disable this Group By function, and ensure the data is solely grouped by Location

ReportBuilder - Sales Local - Invoice Listing - Level 1.rtm

```

procedure DBTSortByOnGetText(var Text: String);
LocalSQL_SELECT (p1SQL_1, SQL_1, 'Account');
LocalSQL_SELECT (p1SQL_2, SQL_2, 'DocKey');
LocalSQL_SELECT (p1SQL_3, SQL_3, 'Locations;DocDate;DocNo');

SetDataPipelineFieldLink(Main, p1SQL_0, 'DocKey', 'DocKey');
SetDataPipelineFieldLink(Main, p1SQL_2, 'DocKey', 'DocKey');

i f1.Values['Agent'] := 'Agent;Description';
f1.Values['Area'] := 'Area;Description';
f1.Values['CurrencyCode'] := 'CurrencyCode;Description';
f1.Values['Project'] := 'Project;Description';
f1.Values['Code'] := 'Code;CompanyName';
f1.Values['DocDate'] := 'DocDate;DocDate';
f1.Values['CompanyName'] := 'Code;CompanyName';
f1.Values['DocNo'] := 'DocNo;DocNo';
f1.Values['CompanyCategory'] := 'CompanyCategory;Description';
f1.Values['Shipper'] := 'Shipper;Description';

p1.AddObject('Agent', Document_Agent);
p1.AddObject('Area', Document_Area);
p1.AddObject('CurrencyCode', Document_Currency);
p1.AddObject('Project', Document_DocProject);
p1.AddObject('Code', Main);
p1.AddObject('DocDate', Main);
p1.AddObject('CompanyName', Main);
p1.AddObject('DocNo', Main);
p1.AddObject('CompanyCategory', Document_CompanyCategory);
p1.AddObject('Shipper', Document_Shipper);

IGroupBy := ValueOfSemiColonStr(Parameter.GetFieldValue('GroupBy'), 0);
i := f1.IndexOfName(IGroupBy);
if i <> -1 then begin
edCode1.DataField := ValueOfSemiColonStr(f1.Values[IGroupBy], 0);
edCode1.DataPipeline := Main;
edDesc1.DataField := ValueOfSemiColonStr(f1.Values[IGroupBy], 1);
edDesc1.DataPipeline := p1.Objects[i];
DBDesc1.DataField := ValueOfSemiColonStr(f1.Values[IGroupBy], 1);
DBDesc1.DataPipeline := p1.Objects[i];
Report.Groups[0].BreakName := IGroupBy;
end;
f1.Free;
p1.Free;
end;
    
```

Code Toolbox: Data

Name	Type	Size
Address1	String	1C
Address2	String	1C
Address3	String	1C
Address4	String	1C
Agent	String	1C
Area	String	1C
Attention	String	1C
BranchName	String	1C
Cancelled	String	1C
CC	String	1C
City	String	1C
Code	String	1C
CompanyCategory	String	1C
CompanyName	String	1C
Country	String	1C
CurrencyCode	String	1C
CurrencyRate	Double	1C
D_Amount	Double	1C
DAddress1	String	1C
DAddress2	String	1C
DAddress3	String	1C
DAddress4	String	1C
DAttention	String	1C
DCity	String	1C
DCountry	String	1C
DeliveryTerm	String	1C
Description	String	1C
DDate1	String	1C
DMobile	String	1C
DocAmt	Double	1C
DocDate	String	1C
DocKey	String	1C
DocNo	String	1C
DocNoEx	String	1C
DocRef1	String	1C
DocRef2	String	1C
DocRef3	String	1C

Compile Completed: 0 Errors

Main.Main | SubRpt: Document_Detail | SubReport4: Document_SerialNumber | SubReport2: p1SQL_1

99: 14

Right click select Compile

- If you see an error indicating an undeclared identifier, don't worry—this is just a reminder to save your changes. Simply save the report as a new one to resolve the alert

ReportBuilder - Sales Local - Invoice Listing - Level 1.rtm

File Edit View Help

Save As... Ctrl+S

Close

Import...

Export...

Event Handlers

```

procedure DBTSortByOnGetText(var Text: String);
procedure bAmetCancelOnGetText(var Text: String);
procedure bAmetCancelOnPrint;
procedure bAmetOnGetText(var Text: String);
procedure bCName1OnGetText(var Text: String);
procedure bCName2OnGetText(var Text: String);
procedure bGTotalOnGetText(var Text: String);
procedure bTReDateOnGetText(var Text: String);
procedure bTReTOnGetText(var Text: String);
procedure ReportBeforePrint;
    
```

LocalSQL_SELECT (p1SQL_1, SQL_1, 'Account');
LocalSQL_SELECT (p1SQL_2, SQL_2, 'DocKey');
LocalSQL_SELECT (p1SQL_3, SQL_3, 'Locations;DocDate;DocNo');

SetDataPipelineFieldLink(Main, p1SQL_0, 'DocKey', 'DocKey');
SetDataPipelineFieldLink(Main, p1SQL_2, 'DocKey', 'DocKey');

i f1.Values['Agent'] := 'Agent;Description';
f1.Values['Area'] := 'Area;Description';
f1.Values['CurrencyCode'] := 'CurrencyCode;Description';
f1.Values['Project'] := 'Project;Description';
f1.Values['Code'] := 'Code;CompanyName';
f1.Values['DocDate'] := 'DocDate;DocDate';
f1.Values['CompanyName'] := 'Code;CompanyName';
f1.Values['DocNo'] := 'DocNo;DocNo';
f1.Values['CompanyCategory'] := 'CompanyCategory;Description';
f1.Values['Shipper'] := 'Shipper;Description';

Error: ReportBeforePrint, Line 20: Undeclared identifier: 'pSQL_3'

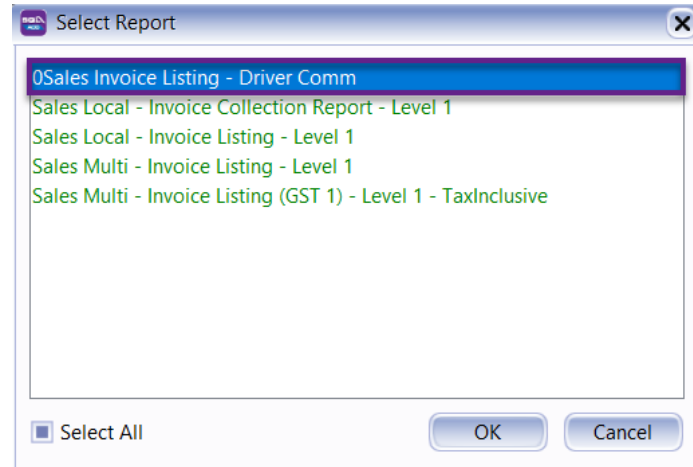
Main.Main | SubRpt: Document_Detail | SubReport4: Document_SerialNumber | SubReport2: p1SQL_1

99: 14

Step 3 : Change Report Data Pipeline to Newly Created Pipeline

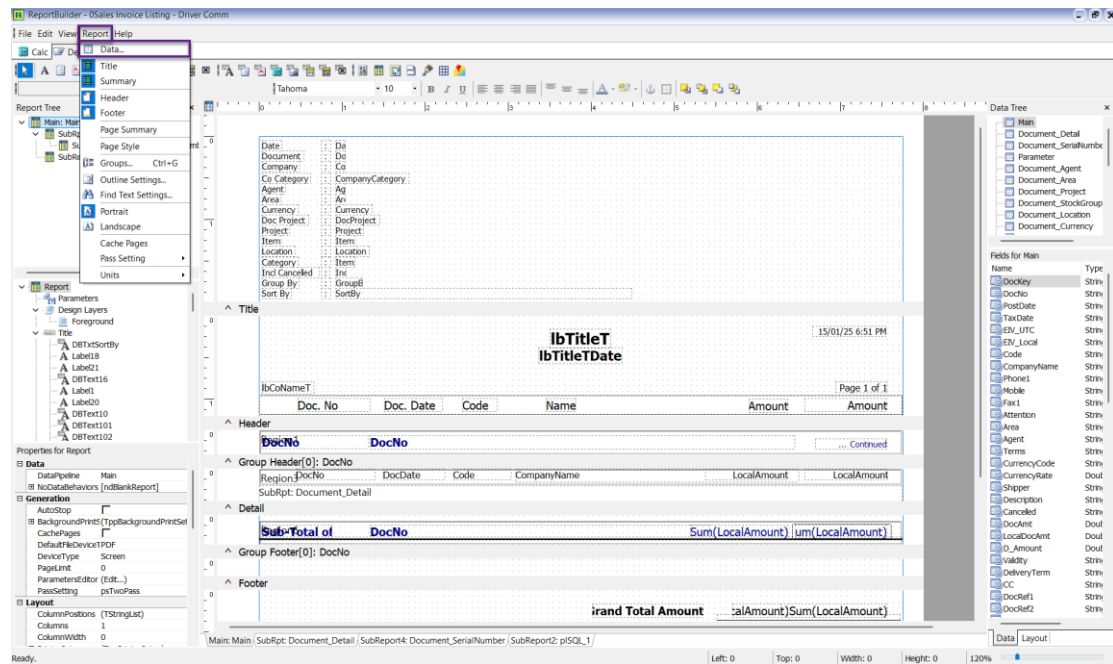
In this step, we'll guide on how to change the data pipeline for whole report.

1. Select the report just saved, click into report designer.

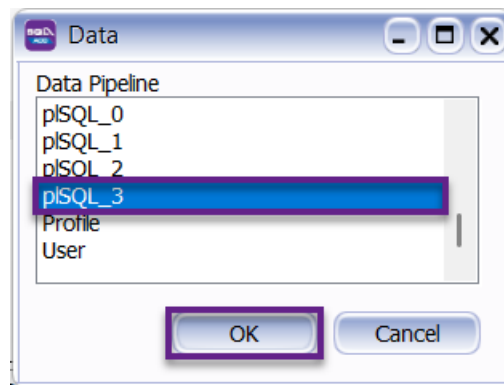


Doc. No	Doc. Date	Code	Name	Amount (MYR)
IV-0004	IV-0004			
IV-0004	29/12/2024	300-A0001	A HOME FURNISHING & SERVICE	1,370.00
Sub-Total of	IV-0004			1,370.00
IV-0005	IV-0005			
IV-0005	29/12/2024	300-C0001	C ART TECHNOLOGY HUB	1,200.00
Sub-Total of	IV-0005			1,200.00
IV-0018	IV-0018			
IV-0018	01/12/2024	300-D0001	DREAM VILLA FURNITURE	7,900.00
Sub-Total of	IV-0018			7,900.00
IV-0012	IV-0012			
IV-0012	09/12/2024	300-D0001	DREAM VILLA FURNITURE	1,900.00
Sub-Total of	IV-0012			1,900.00
IV-0015	IV-0015			
IV-0015	09/12/2024	300-G0001	GOGO HOME DECOR	12,900.00
Sub-Total of	IV-0015			12,900.00
IV-0011	IV-0011			
IV-0011	07/12/2024	300-G0002	G DELUXE HOTEL	19,035.00
Sub-Total of	IV-0011			19,035.00
IV-0006	IV-0006			
0Sales Invoice Listing - Driver Comm				

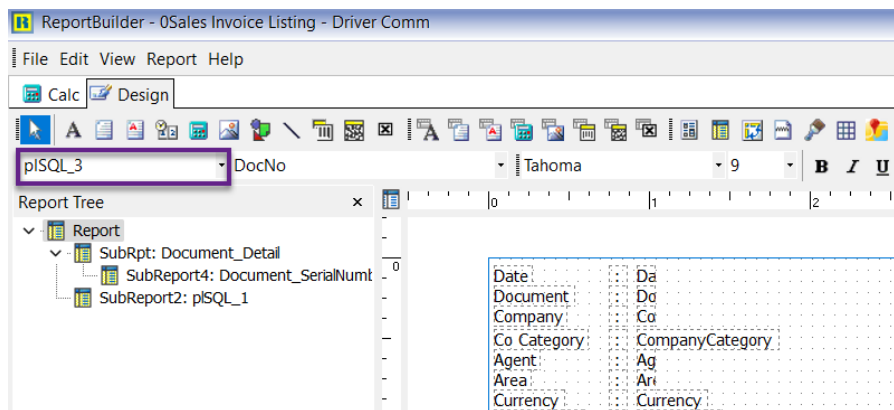
2. Under Report, navigate to Data



Change the data pipeline from Main to pSQL_3



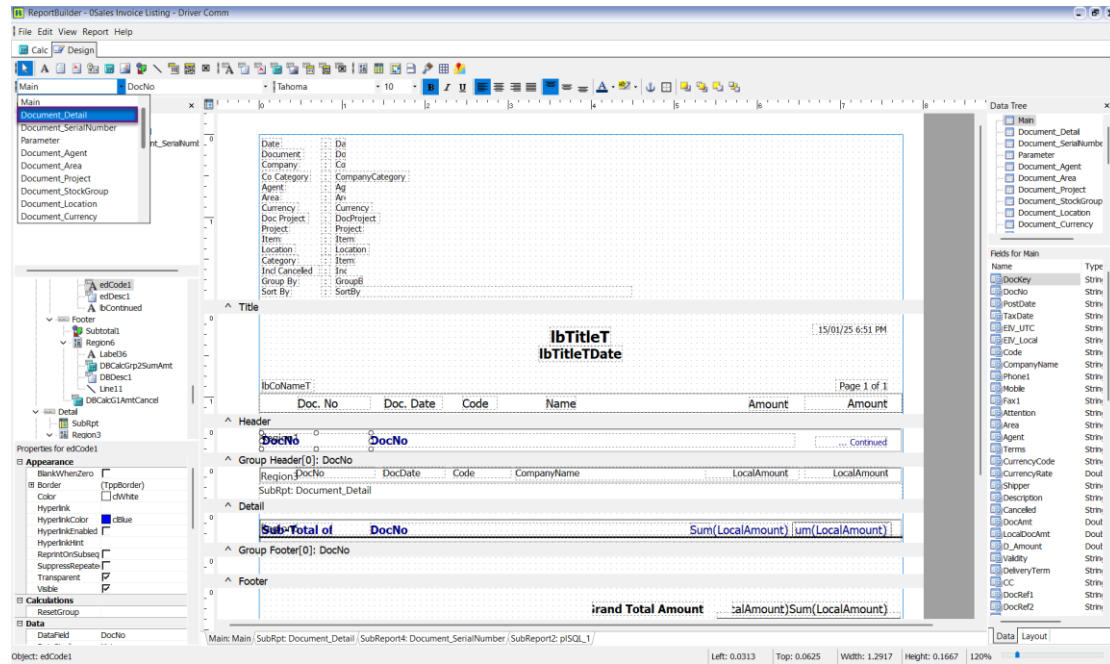
As displayed, most of the fields have updated to pSQL_3



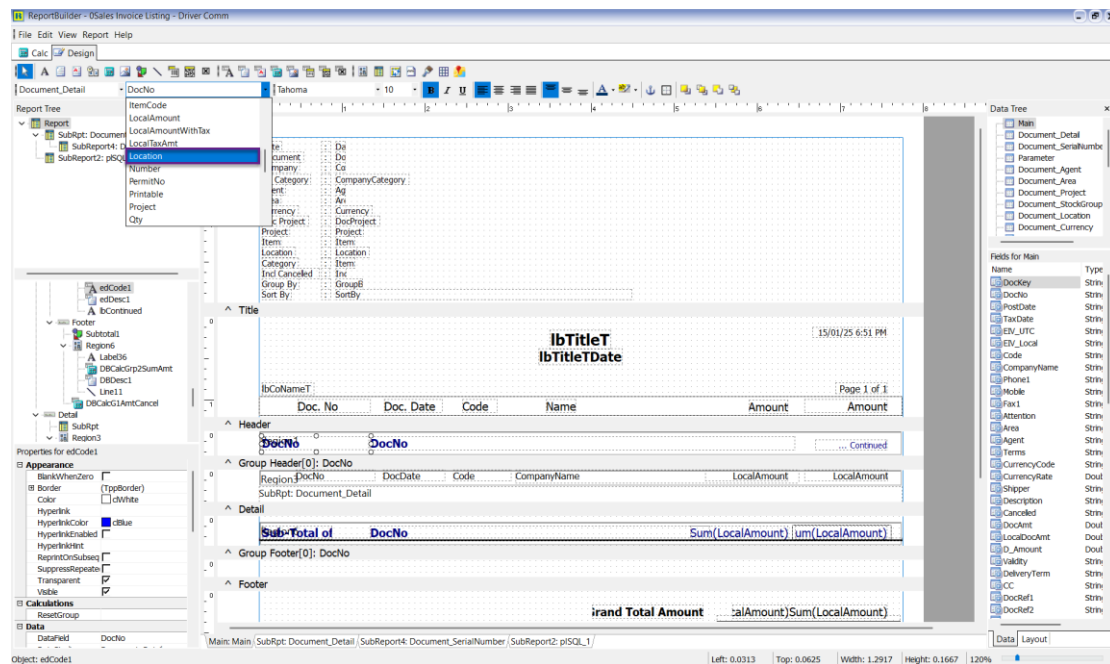
However, for any fields that are not automatically updated, you will need to change them manually. You may change the data pipeline in 2 ways. Let's use Location as an example.

First method : Update New Data Pipeline from Original Pipeline

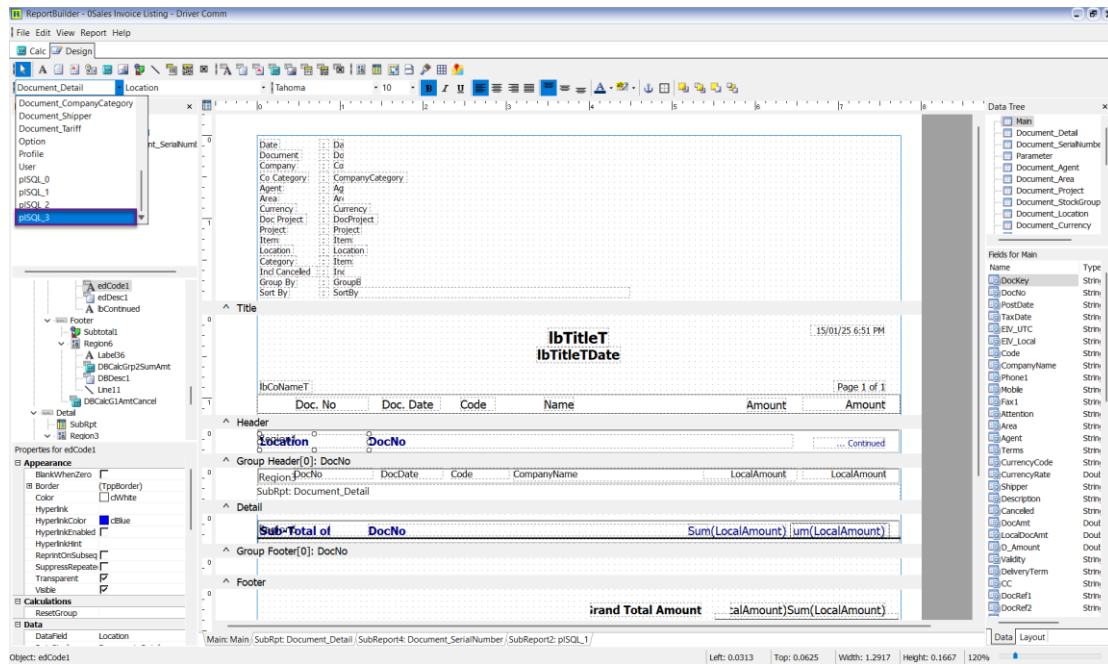
1. Locate DBText to link with the original data pipeline for Location, which is Document_Detail



2. Search the Location field

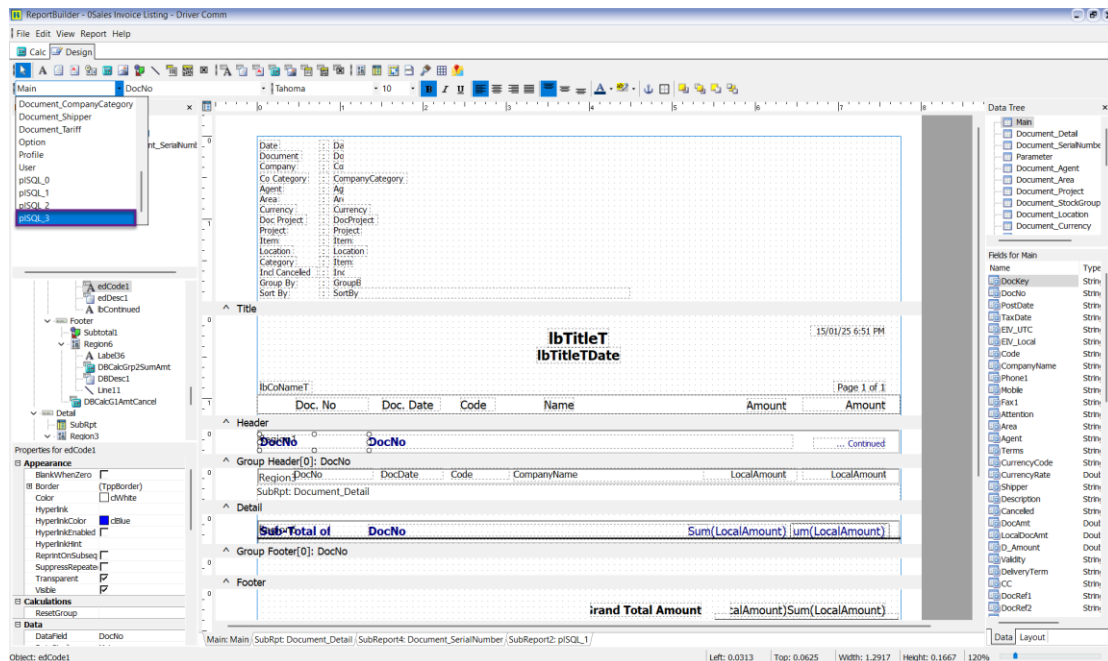


3. Update the pipeline by changing Document_Detail to p1SQL_3



Second method :

1. Set the data pipeline to p1SQL_3



- Use the Data Tree to locate the field name to capture. For Location, the field is named Location in Document_Detail

The screenshot shows the ReportBuilder interface. On the right, the Data Tree is expanded to show 'Document_Detail'. Underneath, the 'Fields for Document_Detail' list contains various fields. The 'Location' field is highlighted with a red box. A red arrow points from this field to the 'Location' field in the report design area, which is currently empty.

- Enter this field name into the appropriate field

The screenshot shows the ReportBuilder interface. The 'Location' field name has been entered into the 'DocNo' field in the report design area. The Data Tree on the right remains the same, with 'Location' still highlighted.

Step 4 : Set Group by Location Custom Field

Next, move on to setting the data grouping as Location.

1. Identify the component name for the Location field, e.g. edCode1

The screenshot shows the ReportBuilder interface with the 'Properties for edCode1' window open. The 'Data' tab is selected, and the 'DataField' is set to 'Location'. The 'ParentDataField' is 'pSQL_3'. The 'Layout' tab is also visible, showing the field's position and size. A purple arrow points from the 'Object: edCode1' label at the bottom left to the 'DataField' property in the Properties window.

2. Go to Report and select Groups

The screenshot shows the ReportBuilder interface with the 'Report' menu open. The 'Groups...' option is highlighted, indicating the user is navigating to the report design to set data grouping. The main report preview shows a table with columns for Doc. No, Doc. Date, Code, Name, and Amount. The report is grouped by 'DocNo'.

3. Set Custom Field for Break On, and choose the Location field name (which is edCode1)

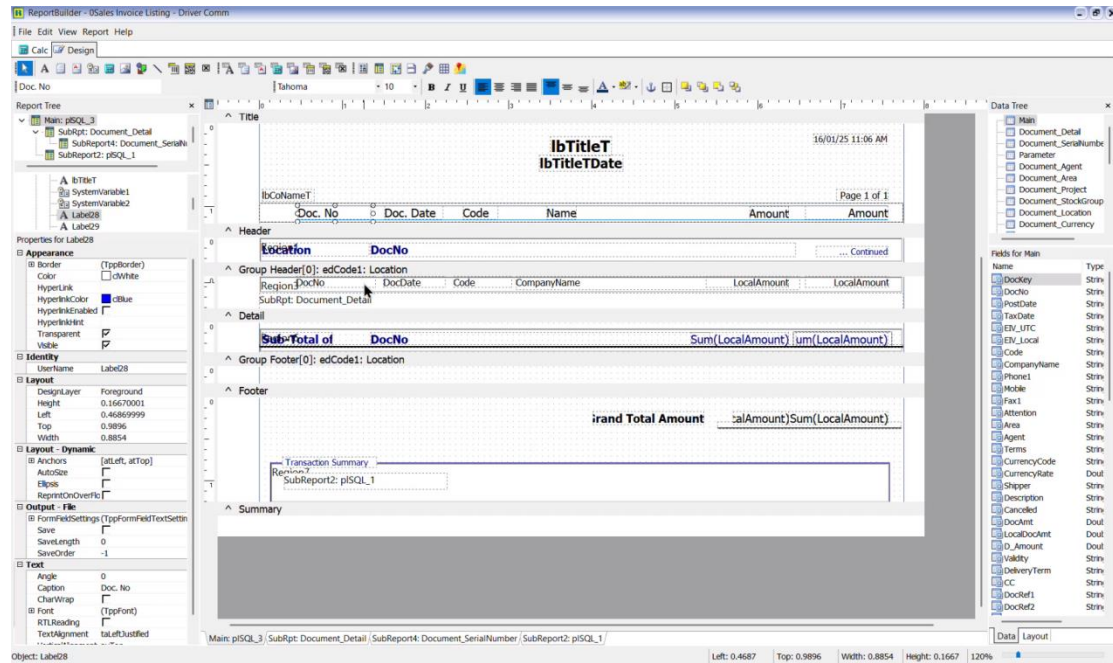
The screenshot shows the 'Groups' dialog box. The 'Break On' section has 'Custom Field' selected. A dropdown menu is open, showing 'edCode1: Location' as the selected option. Other options include 'DBCalcAmtCancel: Sum(LocalAmount)', 'DBTxtAmt: LocalAmount', 'DBTxtAmtCancel: LocalAmount', 'DBTxtSortBy: SortBy', 'Label1: Group By', 'Label10: Date', 'Label101: Area', and 'Label12: Company'. The 'Reprint group headers on subsequent pages' checkbox is checked. The 'OK' and 'Cancel' buttons are at the bottom.

4. Press OK to save

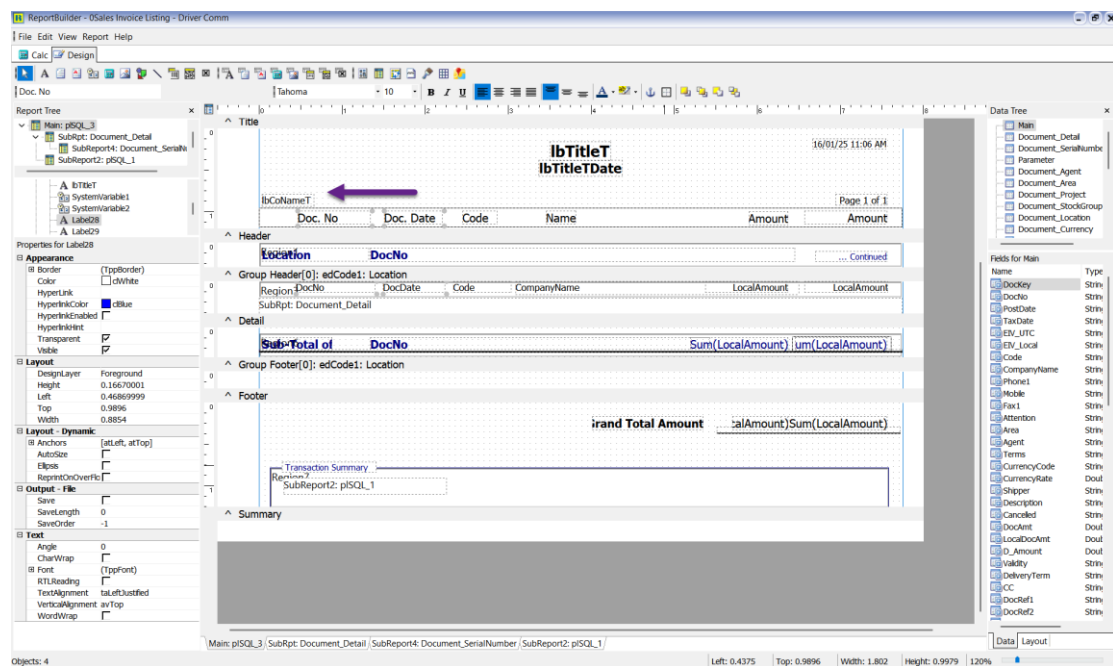
Step 5: Adjust Component Positions and Add a New Label

Now, we'll start adjusting the report objects to match the customer's sample format.

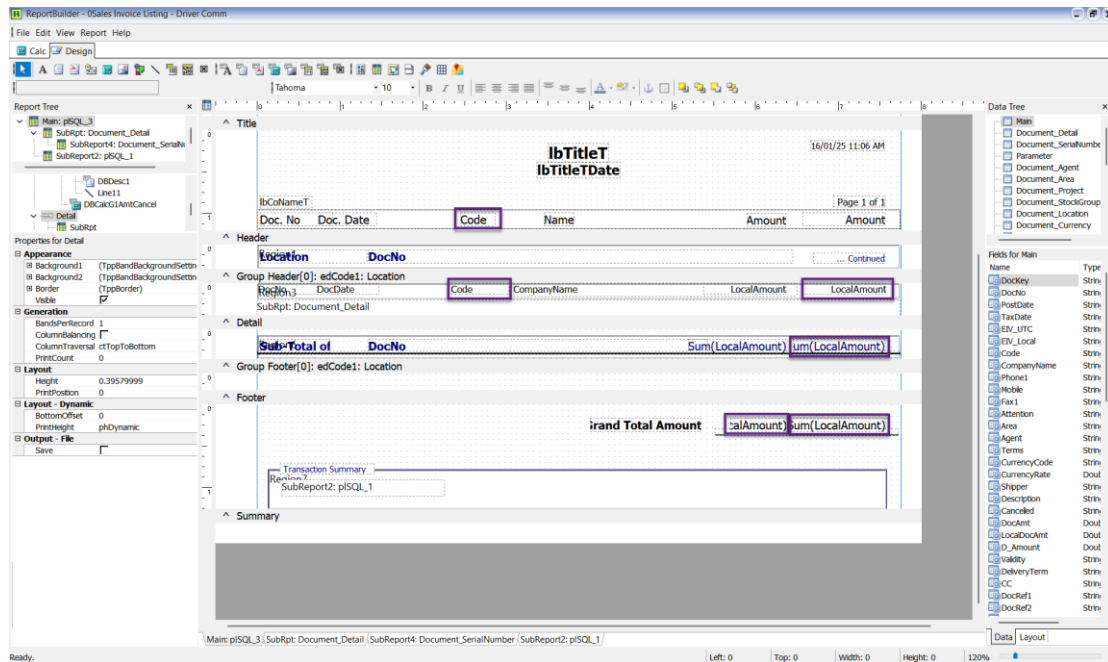
1. Move the fields - click on the first object (e.g. DocNo label), press and hold the Shift key, then select the other objects you want to move together



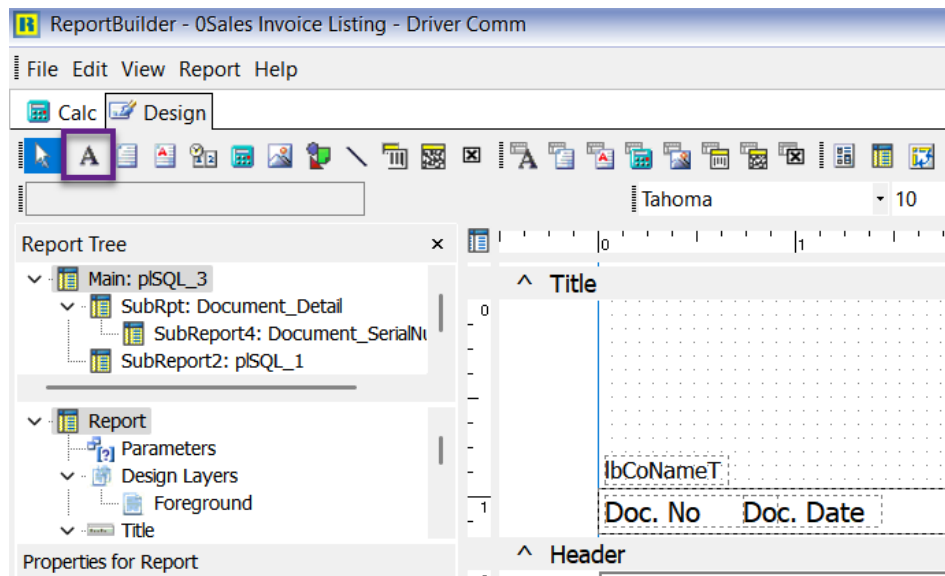
Drag the objects to your desired location by drag it or use Ctrl + Left



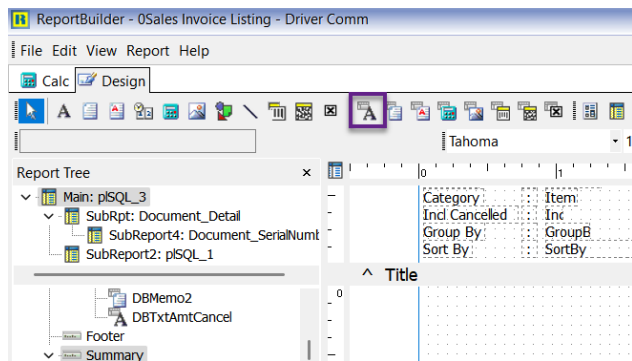
- Remove those unused components, such as Code, Local Amount, Group Total Amount and Summary Total Amount



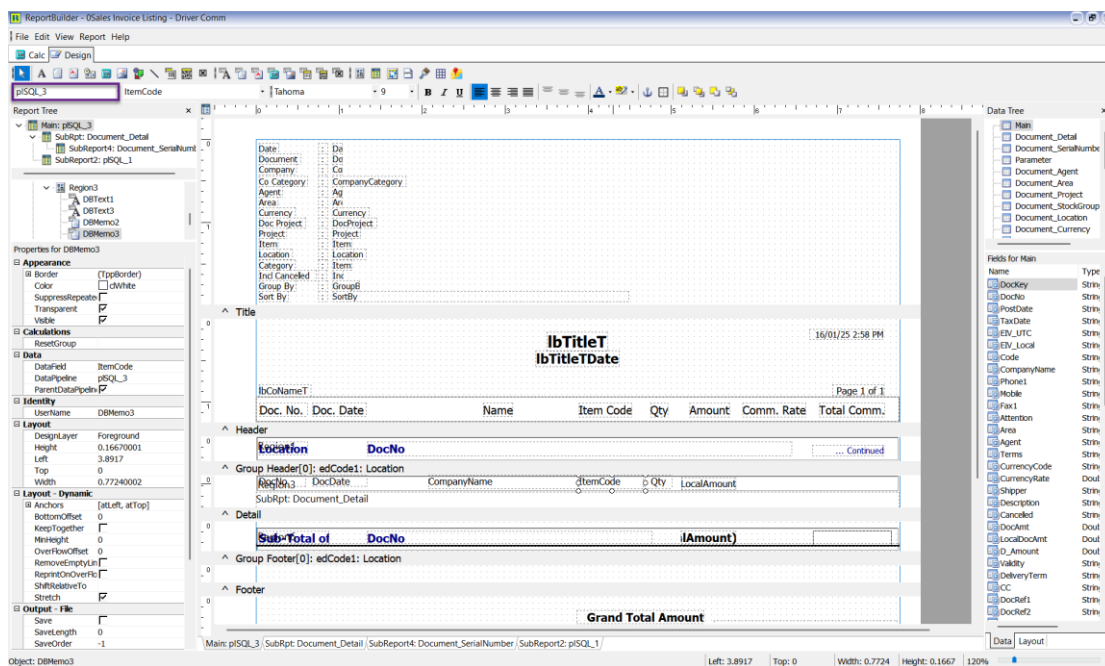
- Click the A icon to add new labels: Item Code, Quantity, Comm. Rate, and Total Comm.



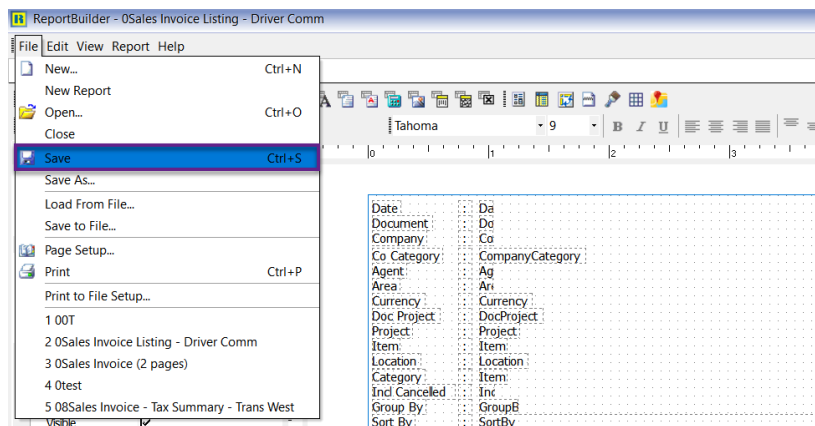
4. Insert DBText components to capture the corresponding data fields



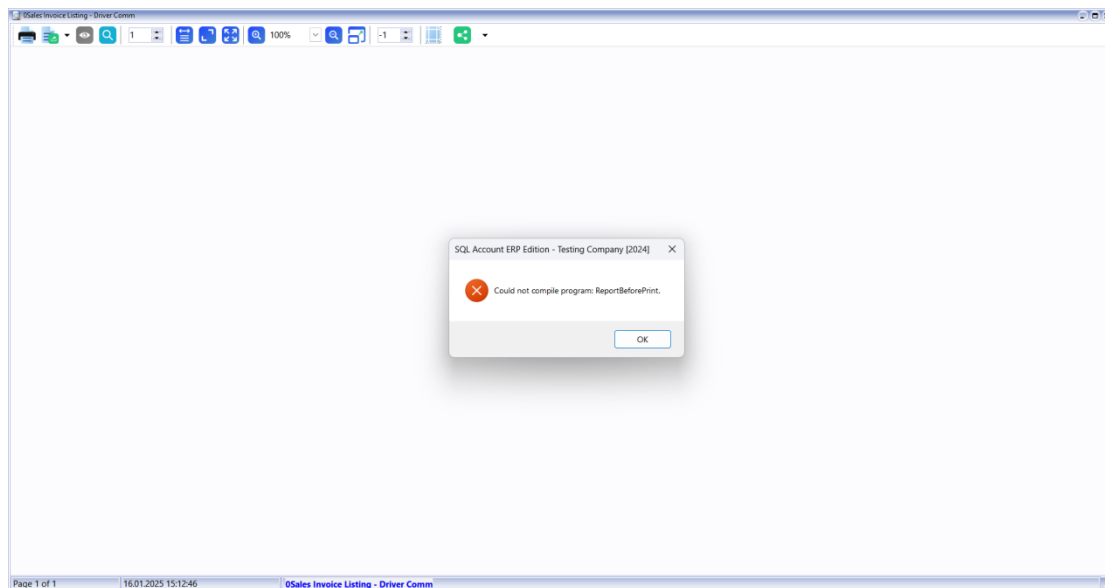
Make sure that the data pipeline is set to pSQL_3 for all fields.



Once everything is in place, save the report.

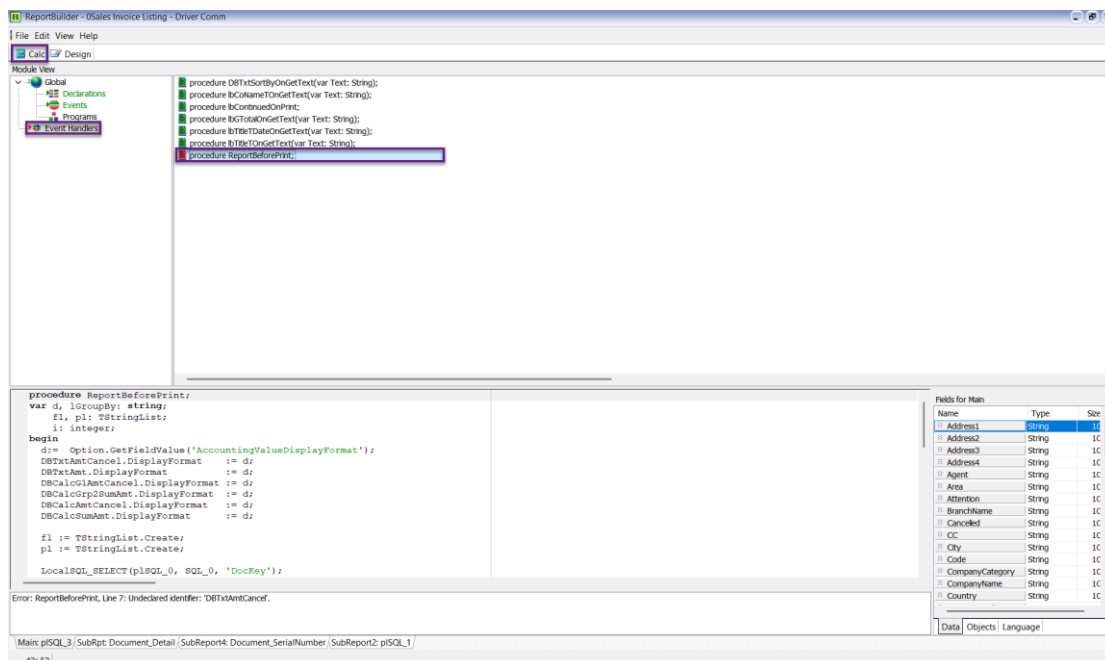


When previewing the report, you may encounter an error.



This happens because certain components were removed, but their associated queries still remain. To fix this issue, follow these steps:

1. Go to the Calc tab, select Event Handlers, and choose the ReportBeforePrint procedure



2. Double click the error message to identify which queries are invalid

The screenshot shows the ReportBuilder interface. The code editor contains the following procedure definition:

```

procedure ReportBeforePrint;
var d, l:GroupBy; string;
    f1, p1: TStringList;
    i: integer;
begin
    d:= Option.GetFieldValue('AccountingValueDisplayFormat');
    DBTxtAmtCancel.DisplayFormat := d;
    DBTxtAmt.DisplayFormat := d;
    DBCalcAmtCancel.DisplayFormat := d;
    DBCalcGrp2SumAmt.DisplayFormat := d;
    DBCalcAmtCancel.DisplayFormat := d;
    DBCalcSumAmt.DisplayFormat := d;

    f1 := TStringList.Create;
    p1 := TStringList.Create;

    LocalSQL_SELECT(p1SQL_0, SQL_0, 'DocKey');
    
```

An error message is displayed at the bottom: **Error: ReportBeforePrint, Line 8: Undeclared identifier: 'DBTxtAmt'.**

The status bar shows: **Main: piSQL_3 | SubRpt: Document_Detail | SubReport4: Document_SerialNumber | SubReport2: piSQL_1 | 9: 150**

3. Comment out the problematic code using the double slash (//) symbol

The screenshot shows the ReportBuilder interface after the problematic line has been commented out. The code editor now contains:

```

procedure ReportBeforePrint;
var d, l:GroupBy; string;
    f1, p1: TStringList;
    i: integer;
begin
    d:= Option.GetFieldValue('AccountingValueDisplayFormat');
    DBTxtAmtCancel.DisplayFormat := d;
    //DBTxtAmt.DisplayFormat := d;
    DBCalcAmtCancel.DisplayFormat := d;
    DBCalcGrp2SumAmt.DisplayFormat := d;
    DBCalcAmtCancel.DisplayFormat := d;
    DBCalcSumAmt.DisplayFormat := d;

    f1 := TStringList.Create;
    p1 := TStringList.Create;

    LocalSQL_SELECT(p1SQL_0, SQL_0, 'DocKey');
    
```

The error message is still present: **Error: ReportBeforePrint, Line 8: Undeclared identifier: 'DBTxtAmt'.**

The status bar shows: **Main: piSQL_3 | SubRpt: Document_Detail | SubReport4: Document_SerialNumber | SubReport2: piSQL_1 | 10: 152**

4. Right click and select Compile to check for errors

The screenshot shows the ReportBuilder interface with the 'ReportBeforePrint' procedure selected in the Module View. A context menu is open, and the 'Compile' option is highlighted. The code editor shows the following procedure:

```

procedure ReportBeforePrint;
var d, l:GroupBy; string;
    f1, p1: TStringList;
    i: integer;
begin
    d:= Option.GetFieldValue('AccountingValueDisplayFormat');
    DBTxtAmtCancel.DisplayFormat := d;
    //DBTxtAmt.DisplayFormat := d;
    //DBCalcAmtCancel.DisplayFormat := d;
    //DBCalcGrp2SumAmt.DisplayFormat := d;
    //DBCalcAmtCancel.DisplayFormat := d;
    //DBCalcSumAmt.DisplayFormat := d;
    f1 := TStringList.Create;
    p1 := TStringList.Create;
    LocalSQL_SELECT(p1SQL_0, SQL_0, 'DocKey');
    
```

The Fields for Main table is also visible on the right:

Name	Type	Size
Address1	String	1C
Address2	String	1C
Address3	String	1C
Address4	String	1C
Agent	String	1C
Area	String	1C
Attention	String	1C
BranchName	String	1C
Cancelled	String	1C
CC	String	1C
City	String	1C
Code	String	1C
CompanyCategory	String	1C
CompanyName	String	1C
Country	String	1C

5. Repeat these steps until all errors are resolved

The screenshot shows the ReportBuilder interface after the 'Compile' action. The status bar at the bottom indicates 'Compile Completed: 0 Errors'. The code editor shows the same procedure as in the previous screenshot:

```

procedure ReportBeforePrint;
var d, l:GroupBy; string;
    f1, p1: TStringList;
    i: integer;
begin
    d:= Option.GetFieldValue('AccountingValueDisplayFormat');
    DBTxtAmtCancel.DisplayFormat := d;
    //DBTxtAmt.DisplayFormat := d;
    //DBCalcAmtCancel.DisplayFormat := d;
    //DBCalcGrp2SumAmt.DisplayFormat := d;
    //DBCalcAmtCancel.DisplayFormat := d;
    //DBCalcSumAmt.DisplayFormat := d;
    f1 := TStringList.Create;
    p1 := TStringList.Create;
    LocalSQL_SELECT(p1SQL_0, SQL_0, 'DocKey');
    
```

6. Save the report

Step 6 : Capture Due Date from Customer Invoice

Next, we're going to capture the due date from the customer invoice. It is available on the Customer Invoice.

Invoice No.	Date	Due Date	Customer	Project	Currency	Amount	Outstanding
IV-0001	11/06/2024	10/08/2024	THAI TEA TRADING			800.00	0.00
IV-0002	11/06/2024	11/07/2024	WENDY DESIGN GROUP			5,990.00	5,990.00
CS-0001	15/06/2024	15/07/2024	CASH SALES			240.00	0.00
CS-0002	16/06/2024	16/07/2024	CASH SALES			135.00	0.00
IV-0002	17/06/2024	17/07/2024	G DELUXE HOTEL			756.00	0.00
CS-0003	20/06/2024	20/07/2024	C ART TECHNOLOGY HUB			160.00	0.00
IV-0003	29/06/2024	29/07/2024	YA SQUARE		USD	14,000.00	0.00
IV-0004	29/06/2024	29/07/2024	A HOME FURNISHING & SERVICE			1,370.00	1,370.00
IV-0005	29/06/2024	29/07/2024	C ART TECHNOLOGY HUB			1,200.00	0.00
IV-0006	29/06/2024	29/07/2024	G DELUXE HOTEL			2,470.00	2,470.00
IV-0007	30/06/2024	30/07/2024	WOODY FURNITURE ENTERPRISE			2,070.00	1,940.00
IV-0008	30/06/2024	30/07/2024	YA SQUARE		USD	1,250.00	0.00
IV-0009	30/06/2024	30/07/2024	GOHILLS INTERNATIONAL GROUP		SGD	450.00	0.00
IV-0010	01/07/2024	31/07/2024	WENDY DESIGN GROUP			400.00	400.00
IV-0018	01/07/2024	31/07/2024	TESTING SDN BHD			15,000.00	15,000.00
IV-0011	07/07/2024	06/08/2024	G DELUXE HOTEL			19,035.00	19,035.00
IV-0012	07/07/2024	06/08/2024	DREAM VILLA FURNITURE			1,900.00	1,800.00
IV-0013	08/07/2024	07/08/2024	GOHILLS INTERNATIONAL GROUP		SGD	28,700.00	0.00
IV-0014	08/07/2024	07/08/2024	YA SQUARE		USD	1,200.00	0.00
IV-0015	09/07/2024	08/08/2024	GOGO HOME DECOR			12,898.50	12,898.50
IV-0016	11/07/2024	10/08/2024	YA SQUARE		USD	30.00	0.00
IV-0017	12/07/2024	11/08/2024	GOHILLS INTERNATIONAL GROUP		SGD	120.00	120.00
IV-0021	19/08/2024	18/09/2024	DREAM VILLA FURNITURE			1,080.00	0.00
IV-0020	17/09/2024	17/10/2024	GOGO HOME DECOR			1,080.00	0.00
IV-0019	18/10/2024	17/11/2024	TESTING SDN BHD			800.00	800.00
IV-0023	17/12/2024	16/01/2025	WOODY FURNITURE ENTERPRISE			1,080.00	1,080.00
IV-0024	17/12/2024	16/01/2025	EIGHT INFINITE CONCEPT			1,080.00	0.00
IV-0025	17/12/2024	16/01/2025	GOGO HOME DECOR			216.00	216.00
						119,910.50	67,519.50

1. In report designer, add a new Label for Due Date to the report

The screenshot shows the Report Designer interface. The main area displays a report design with a header section containing a table with columns: Doc. No., Doc. Date, Due Date, Name, Item Code, Qty, Amount, Comm. Rate, and Total Comm. The 'Due Date' column is highlighted with a red box. The report tree on the left shows the structure of the report, and the data tree on the right shows the fields available for the report.

2. Put in variable to capture Due Date and rename as vDueDate

ReportBuilder - OSales Invoice Listing - Driver Comm

File Edit View Report Help

Calc Design

Report Tree

- Main: pISQL_3
 - SubRpt: Document_Detail
 - SubReport4: Document_SerialNumber
 - SubReport2: pISQL_1
 - DBMemo2
 - DBMemo3
 - DBMemo4
 - DBTextItemCancel
 - vDueDate

Properties for vDueDate

- HyperlinkInt:
- RepeatOnSubseq:
- SuppressRepeat:
- Transparent:
- Visible:

Calculations

- CalcComponent:
- CalcOrder: 0
- CalcType: veTraverse
- LockHead:
- ResetComponent:
- ResetType: veReportEnd

Data

- DBType: dString
- Identity:
 - UserName
 - vDueDate

Design Layer

- DesignLayer: Foreground
- Height: 0.1500001
- Left: 1.3917
- Top: 0
- Width: 0.54170001

Layout - Dynamic

- Anchors: [atLeft, atTop]
- AutoSize:
- Ellipsis:
- RepeatOnOverflow:

Output - File

- Save:
- SaveLength: 0
- SaveOrder: -1

Text

- Angle: 0
- CharWrap:

Report Preview

Title: IbTitleT, IbTitleDate, 16/01/25 3:44 PM

Page 1 of 1

Doc. No. Doc. Date: Due Date Name Item Code Qty Amount Comm. Rate Total Comm.

Header: DocNo, DocDate, DueDate, CompanyName, ItemCode, Qty, LocalAmount

Detail: Sub-Total of DocNo (Amount)

Footer: Grand Total Amount

Fields for Main

Name	Type
DocKey	String
DocNo	String
PostDate	String
TaxDate	String
EV_LTRC	String
EV_Local	String
Code	String
CompanyName	String
Phone1	String
Mobile	String
Attention	String
Area	String
Agent	String
Terms	String
CurrencyCode	String
CurrencyRate	Double
Shipper	String
Description	String
Cancelled	String
DocRef1	Double
LocalDocAmt	Double
D_Amount	Double
Validity	String
DeliveryTerm	String
CC	String
DocRef1	String
DocRef2	String

Object: vDueDate

Left: 1.3917 | Top: 0 | Width: 0.5417 | Height: 0.15 | 120%

3. Go to Calc and search for vDueDate

ReportBuilder - OSales Invoice Listing - Driver Comm

File Edit View Help

Calc Design

Report Objects

- Footer
 - Subtotal1
 - Region6
 - Label36
 - DBDec1
 - Line11
 - DBCalc1
- Detail
 - SubRpt
 - Region3
 - DBText1
 - DBText3
 - DBMemo2
 - DBMemo3
 - DBMemo4
 - DBTextItemCancel
 - vDueDate
- Footer
 - Summary
 - Line5
 - Region7
 - SubReport2
 - Label53

Events for vDueDate

- OnCalc
- OnDrawCommandClick
- OnDrawCommandCreate
- OnGetText
- OnPrint
- OnReset

Fields for Main

Name	Type	Size
Address1	String	1C
Address2	String	1C
Address3	String	1C
Address4	String	1C
Agent	String	1C
Area	String	1C
Attention	String	1C
BranchName	String	1C
Cancelled	String	1C
CC	String	1C
City	String	1C
Code	String	1C
CompanyCategory	String	1C
CompanyName	String	1C
Country	String	1C

Main: pISQL_3 | SubRpt: Document_Detail | SubReport4: Document_SerialNumber | SubReport2: pISQL_1

4. Use the following query to capture the Due Date

The screenshot shows the ReportBuilder interface with a VBA procedure named `DueDateOnCalc` for the `vDueDate` event. The procedure is as follows:

```

procedure DueDateOnCalc(VAC Value: Variant);
var s : String;
begin
  s := 'SELECT DueDate FROM AR_IV ' +
    ' WHERE DocNo = ' + Quotedstr(Main["DocNo"]);
  if DBSQL_GetFieldValue(s) <> null then
    Value := DBSQL_GetFieldValue(s)
  else
    Value := '';
end;

```

The interface also shows a tree view of report objects and a list of fields for the main report.

```

var s : String;
begin
  s := 'SELECT DueDate FROM AR_IV ' +
    ' WHERE DocNo = ' + Quotedstr(pSQL_3['DocNo']);

  if DBSQL_GetFieldValue(s) <> null then
    Value := DBSQL_GetFieldValue(s)
  else
    Value := '';
end;

```

AR = Customer

IV = Invoice table

DueDate = Due Date column

5. After done, right click Compile to check the accuracy

Step 7 : Commission Calculations

Now, we move on to capture the Commission Rate from the Maintain Stock Item table.

1. Insert a variable to the desired position, rename it to vCommRate, and change the variable type to Double

The screenshot shows the ReportBuilder interface with the Design tab selected. A variable declaration box is open, showing the following details:

- Name:** vCommRate
- Data Type:** dtDouble
- Identity:** Checked
- Layout - Dynamic:** Anchors (at, left, atTop) checked; AutoSize checked; Ellipsis checked; DisplayOverFlow checked.

The background shows a report design with a table header containing columns: Doc. No., Doc. Date, Due Date, Name, Item Code, Qty, Amount, Comm. Rate, and Total Comm. The variable vCommRate is being added to the Comm. Rate column.

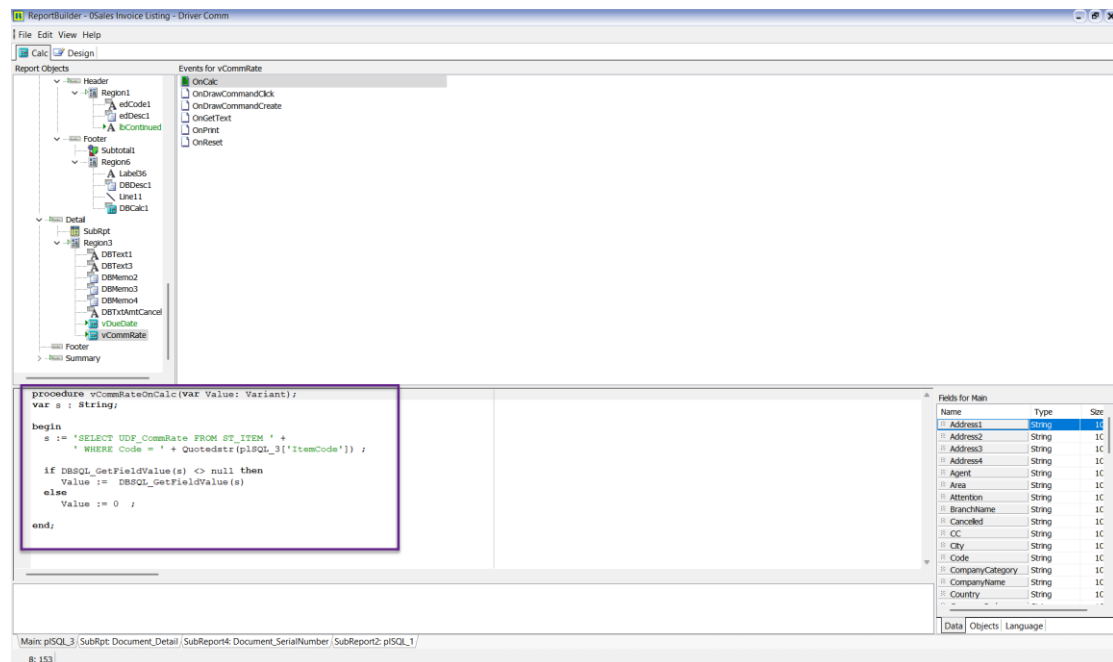
2. Open the Calc tab, search for vCommRate

The screenshot shows the ReportBuilder interface with the Calc tab selected. The search results for vCommRate are displayed in the Events for vCommRate section:

- OnCalc:** Checked
- OnDrawCommandClick:** Checked
- OnDrawCommandCreate:** Checked
- OnGetText:** Checked
- OnPrint:** Checked
- OnReset:** Checked

The Report Objects tree on the left shows the variable vCommRate located under the Detail section, specifically under the SubRpt: Document_Detail.

3. Use the following SQL Query to capture the CommRate from Maintain Stock Item



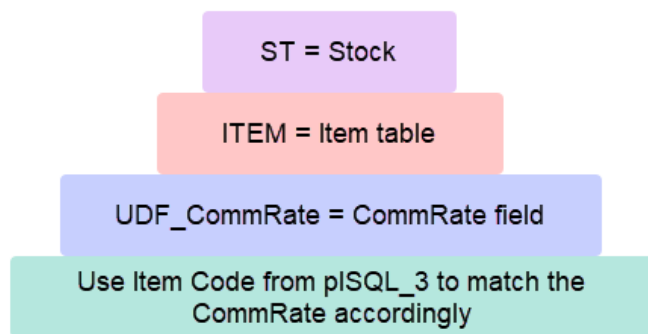
```

var s : String;

begin
  s := 'SELECT UDF_CommRate FROM ST_ITEM ' +
    ' WHERE Code = ' + Quotedstr(pISQL_3['ItemCode']) ;

  if DBSQL_GetFieldValue(s) <> null then
    Value := DBSQL_GetFieldValue(s)
  else
    Value := 0 ;
end;

```

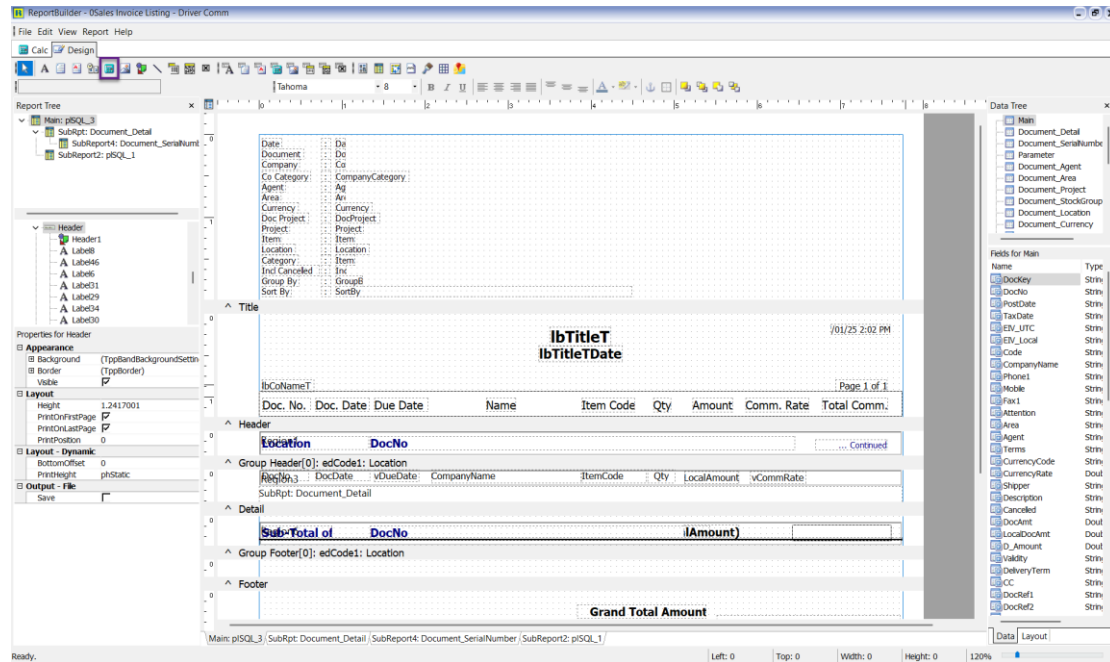


More details at Youtube video : [Report Builder \(RTM\) - Get Column From Database Using Variable](#)

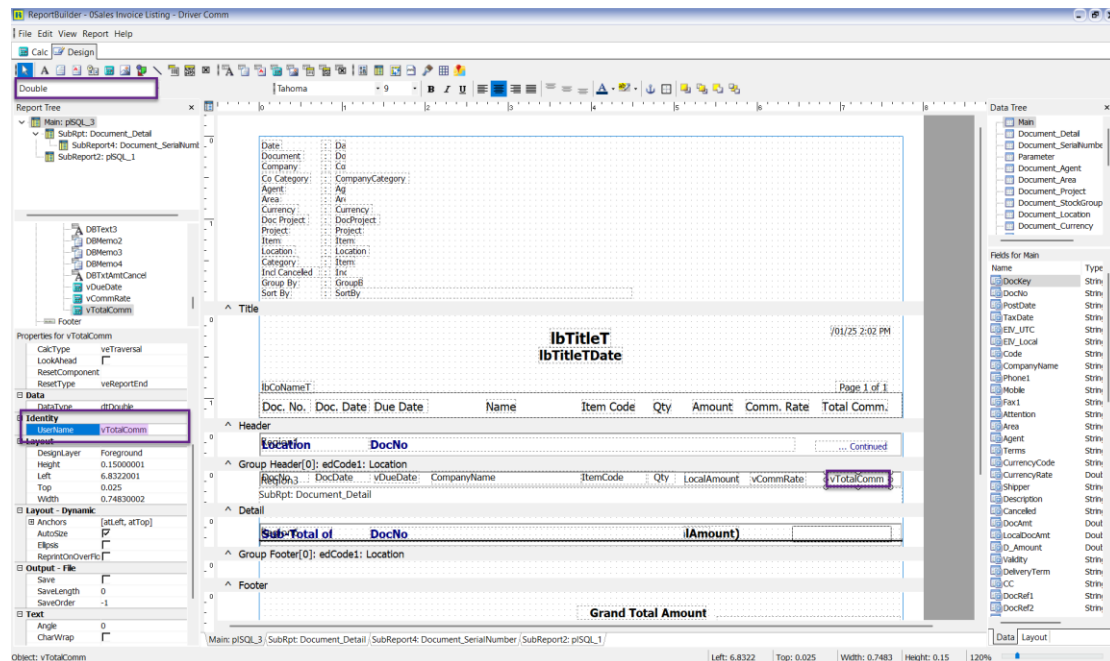
4. Right click and select Compile to check the accuracy

Let's proceed to the Total Commission calculation.

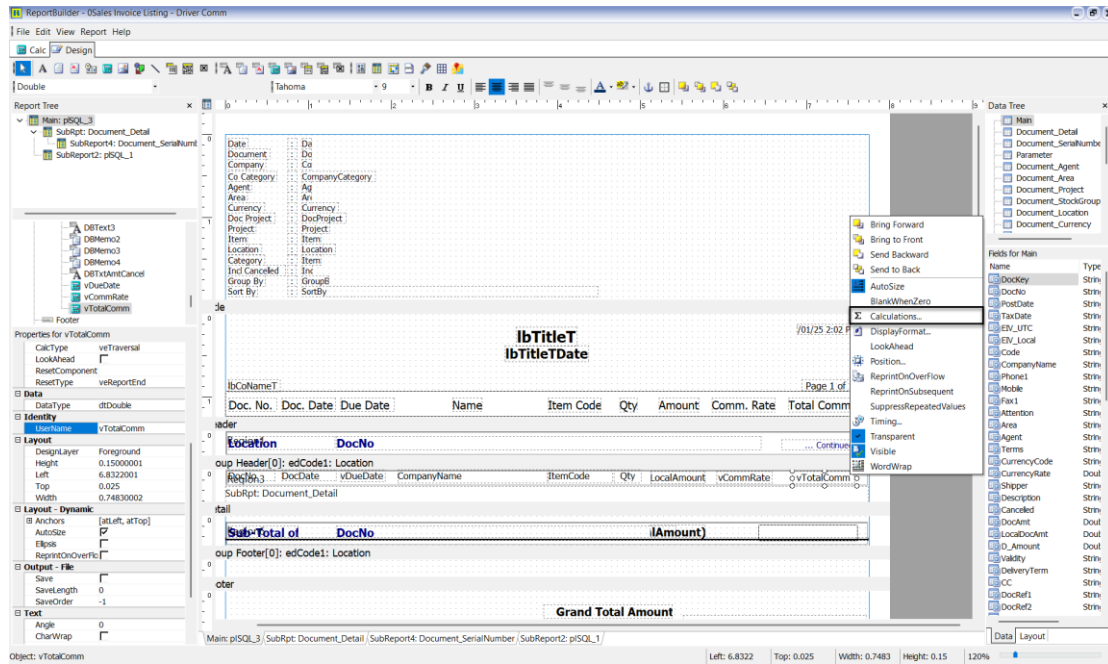
1. Next, add a new variable for the total commission calculation.



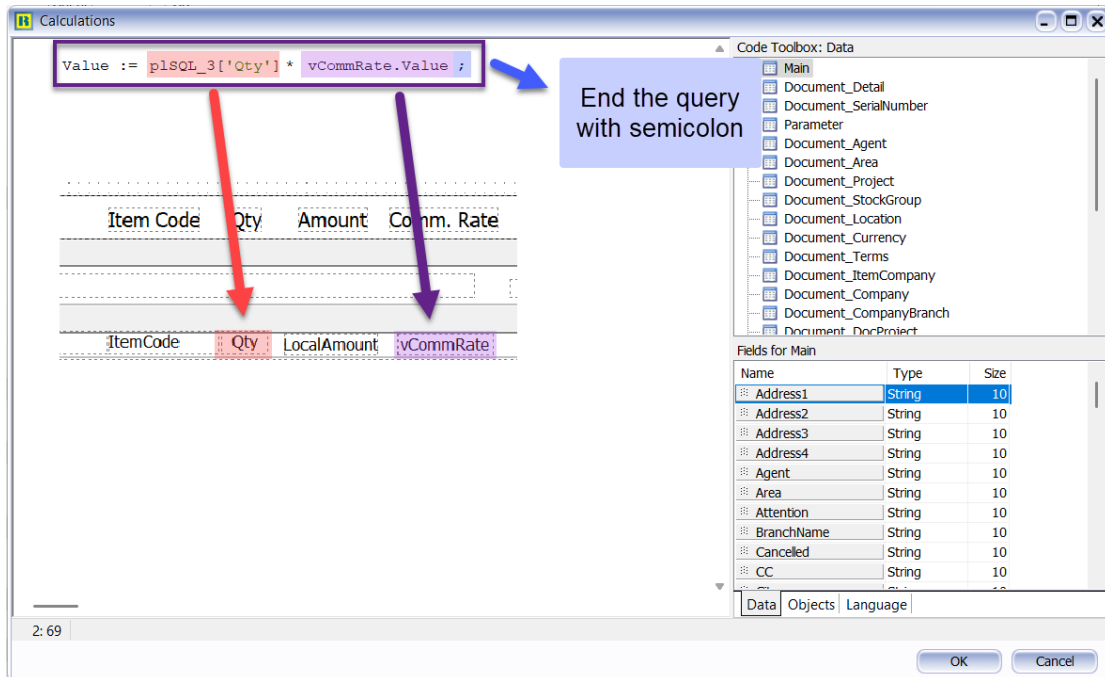
2. Change the type to Double and name it vTotalComm



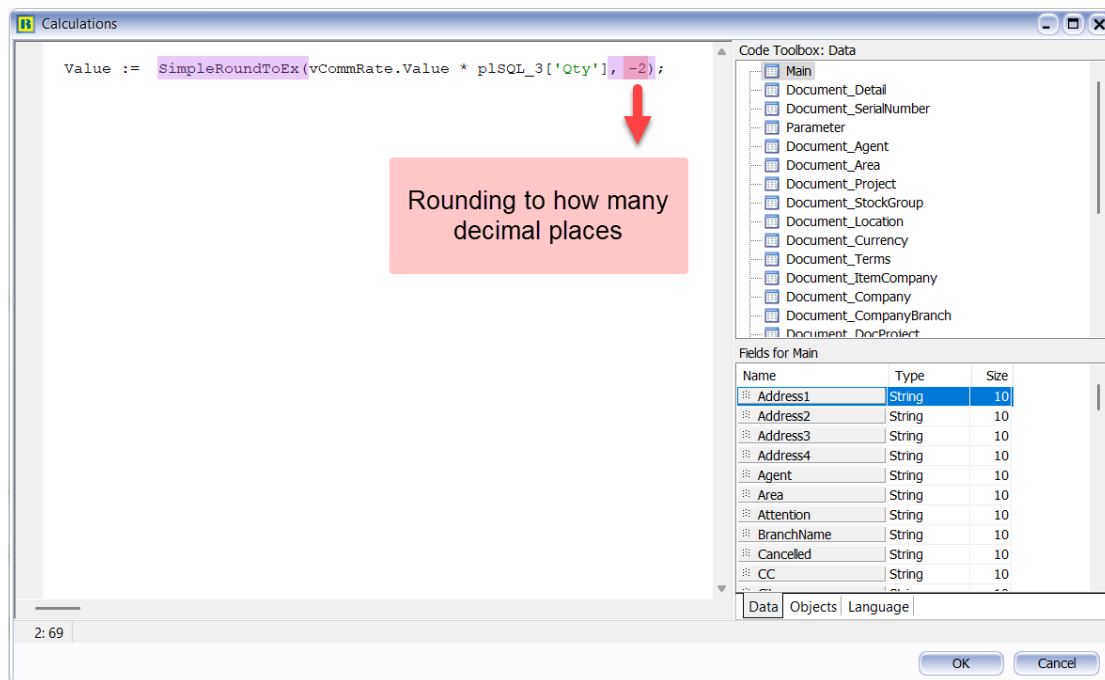
3. Right click on vTotalComm, select Calculations



4. The commission calculation will be CommRate times with Quantity



5. Use the SimpleRoundToEx formula to round the value to 2 decimal points



6. Right click Compile to check the error

7. Press OK to save

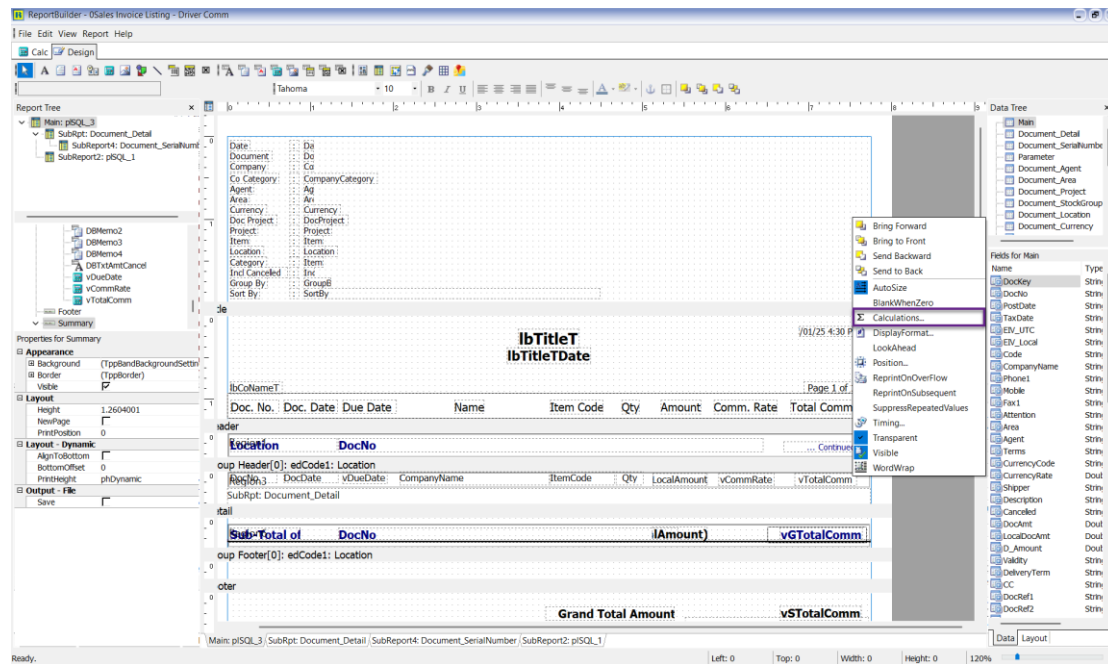
Next, we'll create the Group Total Commission and Summary Total Commission.

1. Add 2 variables, rename them to vGTTotalComm and vSTotalComm, set variable type as Double

The screenshot shows the ReportBuilder interface for a report titled "OSales Invoice Listing - Driver Comm". The report is in design mode, showing a table with columns: Doc. No., Doc. Date, Due Date, Name, Item Code, Qty, Amount, Comm. Rate, and Total Comm. The report includes a header section with fields for Location and DocNo, and a footer section with a "Grand Total Amount" field. A variable named "vGTTotalComm" is highlighted in the Properties window, indicating it is being used in the report design.

The screenshot shows the ReportBuilder interface for the same report, but with a variable named "vSTotalComm" highlighted in the Properties window. The report design is similar to the previous screenshot, but the variable name has been updated to reflect the new requirement for a Summary Total Commission.

2. Back to Calculation on vTotalComm



3. Use the following formula to calculate for group and summary total commissions

```
VariableName.Value := VariableName.Value + Value;
```



Works by taking the current value and adding the same formula for each subsequent row

For example : Driver A sold 2 items

1st item : get RM 10 commission

Total = RM 0 + RM 10

Total = RM 10

2nd item : get RM 13 commission

Total = RM 10 + RM 13

Total = RM 23

Apply it in real scenario

The screenshot shows the 'Calculations' window with the following code:

```
Value := SimpleRoundToEx(vCommRate.Value * pSQL_3['Qty'], -2);
vGTotalComm.Value := vGTotalComm.Value + Value;
vSTotalComm.Value := vSTotalComm.Value + Value;
```

A diagram illustrates the flow of data: a purple arrow labeled 'Amount' points from the 'Value' variable to the 'vGTotalComm' variable, and a red arrow labeled 'd Total Amount' points from the 'Value' variable to the 'vSTotalComm' variable. The 'Code Toolbox: Data' on the right lists various data fields, and the 'Fields for Main' table is shown below.

Name	Type	Size
Address1	String	10
Address2	String	10
Address3	String	10
Address4	String	10
Agent	String	10
Area	String	10
Attention	String	10
BranchName	String	10
Cancelled	String	10
CC	String	10
City	String	10
Code	String	10
CompanyCategory	String	10
CompanyName	String	10
Country	String	10
CurrencyCode	String	10
CurrencyRate	Double	10
D_Amount	Double	10

4. Right click and select Compile to check for errors

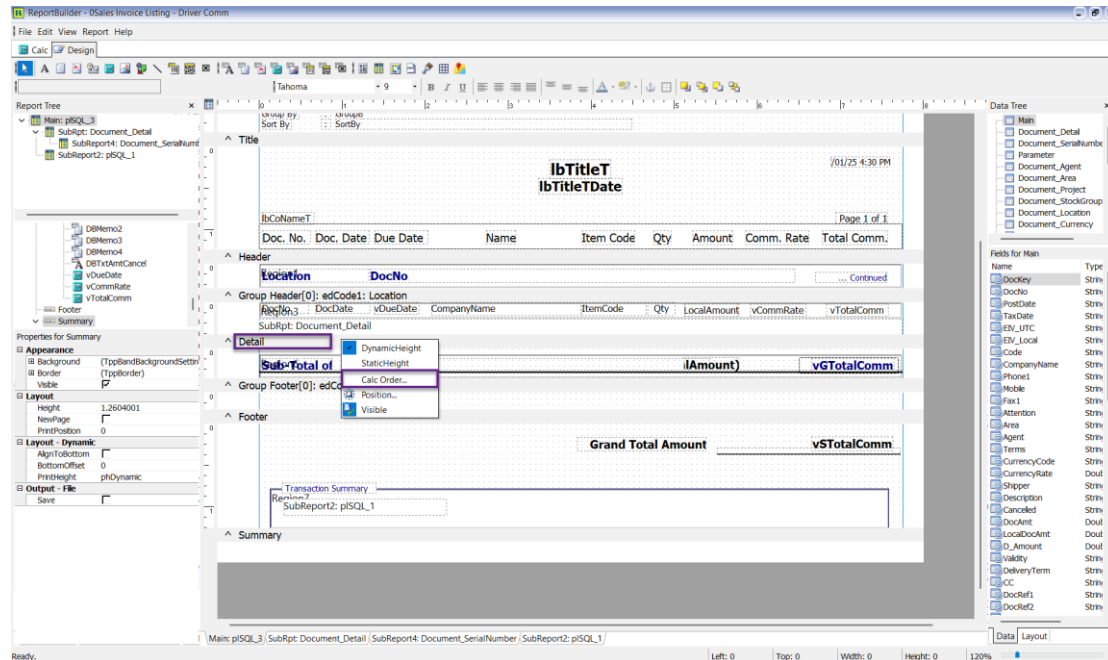
The screenshot shows the 'Calculations' window with the same code as above. A context menu is open over the code, with the 'Compile' option selected. The 'Code Toolbox: Data' and 'Fields for Main' table are also visible.

Name	Type	Size
Address1	String	10
Address2	String	10
Address3	String	10
Address4	String	10
Agent	String	10
Area	String	10
Attention	String	10
BranchName	String	10
Cancelled	String	10
CC	String	10
City	String	10
Code	String	10
CompanyCategory	String	10
CompanyName	String	10
Country	String	10
CurrencyCode	String	10
CurrencyRate	Double	10
D_Amount	Double	10

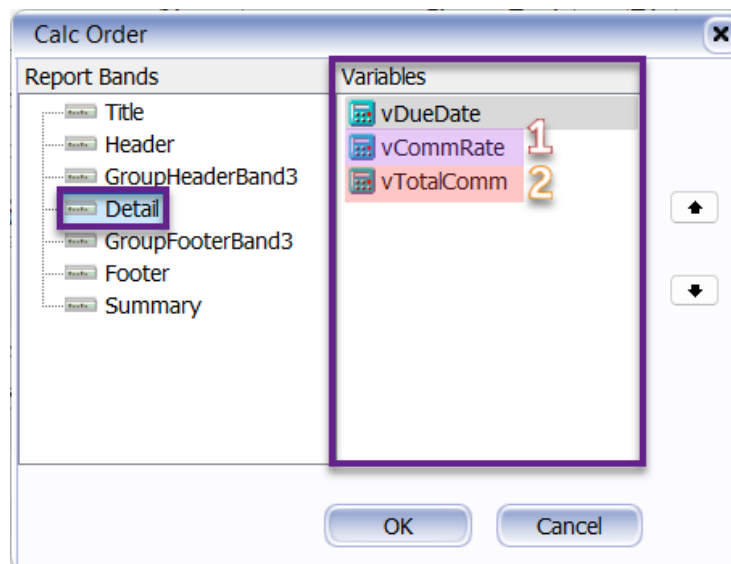
Step 8 : Variable Calculation Sequence

Next, you need to ensure that the variable calculations follow the correct order.

1. Right click on the Detail row and select Calc Order



2. Select Detail Report Bands and verify that the variable order matches what's shown on the screen



The system will calculate vCommRate first, and then move to vTotalComm to get the correct amount

3. Press OK to save

Step 9 : Use DBCalc to Sum Up Field

Moving forward, you'll need to add DBCalc to calculate the sum up for the Quantity.

1. Add DBCalc

2. Point the field to pSQL_3, and type in Qty

3. Save the report

Step 10 : Create Available Pipeline - Capture Description from Document_Location

When previewing the report, you may notice that the description does not match the location description.

Testing Company (200301008596 (611016-H)) Page 1 of 3

Doc. No.	Doc. Date	Due Date	Name	Item Code	Qty	Amount	Comm. Rate	Total Comm.
IV-00008	30/06/2024	29/07/2024	YA SQUARE	ER/Lamp	5	5,062.50	1.7340	8.67
IV-00010	01/07/2024	29/07/2024	WENDY DESIGN GROUP	MPCT	1	400.00	1.0500	1.05
IV-00014	08/07/2024	29/07/2024	YA SQUARE	OU(LED)Beige	10	4,930.00	2.5755	25.76
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	PF3S-Sofa	3	4,500.00	1.5545	4.66
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	SS/Navy-01	10	300.00	0.1500	1.50
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	SPH-King	3	5,700.00	0.9650	2.90
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	ER/Lamp	3	2,400.00	1.7340	5.20
IV-00017	12/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	RL-Pkw	3	396.00	0.3350	1.01
Sub-Total of IV-00004					38	23,678.50		50.75
ALVIN IV-00004								
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	LD/White	5	4,375.00	0.9150	4.58
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	LD/Saver	5	4,375.00	0.7850	3.93
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	PF3S-Sofa	10	21,000.00	1.5545	15.55
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	ER/Lamp	10	10,500.00	1.7340	17.34
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	MPCT	10	5,250.00	1.0500	10.50
Sub-Total of IV-00004					40	45,500.00		102.65
CALEB IV-00004								
IV-00001	11/06/2024	29/07/2024	THAI TEA TRADING	RFC/Blue	10	400.00	0.1500	1.50

In this case, you need to create a new available pipeline from Document_Location and link it to p1SQL_3.

1. Select Calc and declare a new pipeline under Declarations

var
s, s01_0, s01_1, s01_2, s01_3, s01_4:String;

Fields for Main

Name	Type	Size
Address1	String	1C
Address2	String	1C
Address3	String	1C
Address4	String	1C
Agent	String	1C
Area	String	1C
Attention	String	1C
BranchName	String	1C
Cancelled	String	1C
CC	String	1C
City	String	1C
Code	String	1C
CompanyCategory	String	1C
CompanyName	String	1C
Country	String	1C

2. In the Events section, input the following query to capture the data from the Document Location

The screenshot shows the 'Events' section in the ReportBuilder interface. The 'OnCreate' event handler contains the following SQL queries:

```

begin
SQL_0 := 'SELECT A.DocKey, Sum(B.Amount) Amount, Sum(B.LocalAmount) LocalAmount FROM Main A ' +
'INNER JOIN Document_Detail B ON (A.DocKey=B.DocKey) ' +
'WHERE A.Canceled=False ' +
'GROUP BY A.DocKey';
SQL_1 := 'SELECT DocKey, Account, Sum(Amount) Amt, Sum(LocalAmount) LocalAmt FROM Document_Detail ' +
'GROUP BY Account';
SQL_2 := 'SELECT A.DocKey, Sum(B.Amount) Amount, Sum(B.LocalAmount) LocalAmount FROM Main A ' +
'INNER JOIN Document_Detail B ON (A.DocKey=B.DocKey) ' +
'WHERE A.Canceled=True ' +
'GROUP BY A.DocKey';
SQL_3 := 'SELECT A.CompanyName, A.DocDate, A.DocNo, B.* FROM Main A ' +
'INNER JOIN Document_Detail B ON (A.DocKey=B.DocKey) ' +
'GROUP BY B.Account, B.DocDate, B.DocNo';
SQL_4 := 'SELECT * FROM Document_Location';
end;
    
```

The 'Code Toolbox: Data' panel on the right shows a list of fields for the 'Main' table, including Address1 through Address4, Agent, Area, Attention, BranchName, Canceled, CC, City, Code, CompanyCategory, and ProcessorName.

3. In Event Handlers, select the procedure ReportBeforePrint

The screenshot shows the 'Event Handlers' section in the ReportBuilder interface. The 'ReportBeforePrint' procedure is selected and contains the following code:

```

procedure ReportBeforePrint;
procedure vCommitOnCalc(var Value: Variant);
procedure vDueDateOnCalc(var Value: Variant);
procedure vTotalCommOnCalc(var Value: Variant);
begin
f1 := TStringList.Create;
p1 := TStringList.Create;
LocalSQL_SELECT(p1SQL_0, SQL_0, 'DocKey');
LocalSQL_SELECT(p1SQL_1, SQL_1, 'Account');
LocalSQL_SELECT(p1SQL_2, SQL_2, 'DocKey');
LocalSQL_SELECT(p1SQL_3, SQL_3, 'Location;DocDate;DocNo');
SetDataPipelineFieldLink(Main, p1SQL_0, 'DocKey', 'DocKey');
SetDataPipelineFieldLink(Main, p1SQL_2, 'DocKey', 'DocKey');
( f1.Values['Agent'] := 'Agent;Description';
f1.Values['Area'] := 'Area;Description';
f1.Values['CurrencyCode'] := 'CurrencyCode;Description';
f1.Values['Project'] := 'Project;Description';
f1.Values['Code'] := 'Code;CompanyName';
f1.Values['DocDate'] := 'DocDate;DocDate';
    
```

The 'Code Toolbox: Data' panel on the right shows a list of fields for the 'Document_Location' table, including Address4, Attention, City, Code, Country, Description, Description2, Email, Fax1, Fax2, and SubArea.

4. Add LocalSQL_SELECT for pISQL_4

Identify the field to sort by from the Code Toolbox, look for Document_Location, and the field to be captured is Code

The screenshot shows the ReportBuilder interface with the following code in the main editor:

```

Global
procedure DBTxSortByOnGetText(var Text: String);
procedure BCNameToGetText(var Text: String);
procedure BContinuesOnPrint;
procedure BGTotaOnGetText(var Text: String);
procedure BTRetDateOnGetText(var Text: String);
procedure BTRetOnGetText(var Text: String);
procedure ReportBeforePrint;
procedure vCommRateOnCalc(var Value: Variant);
procedure vDueDateOnCalc(var Value: Variant);
procedure vTotalCommOnCalc(var Value: Variant);

f1 := TStringList.Create;
p1 := TStringList.Create;

LocalSQL_SELECT(pISQL_0, SQL_0, 'DocKey');
LocalSQL_SELECT(pISQL_1, SQL_1, 'Account');
LocalSQL_SELECT(pISQL_2, SQL_2, 'DocKey');
LocalSQL_SELECT(pISQL_3, SQL_3, 'Location;DocDate;DocNo');
LocalSQL_SELECT(pISQL_4, SQL_4, 'Code');

SetDataPipelineFieldLink(Main, pISQL_0, 'DocKey', 'DocKey');
SetDataPipelineFieldLink(Main, pISQL_2, 'DocKey', 'DocKey');

f1.Values['Agent'] := 'Agent;Description';
f1.Values['Area'] := 'Area;Description';
f1.Values['CurrencyCode'] := 'CurrencyCode;Description';
f1.Values['Project'] := 'Project;Description';
f1.Values['Code'] := 'Code;CompanyTime';
    
```

The Code Toolbox on the right shows the 'Document_Location' group selected, with the 'Code' field highlighted in the 'Fields for Document_Location' table.

Name	Type	Size
Address	String	1C
Attention	String	1C
City	String	1C
Code	String	1C
Country	String	1C
Description	String	1C
Description2	String	1C
Email	String	1C
Fax1	String	1C
Fax2	String	1C
IsActive	Char	1F

5. Take an extra step by adding the SetDataPipelineFieldLink function to join the pISQL_3 and pISQL_4

The screenshot shows the ReportBuilder interface with the following code in the main editor:

```

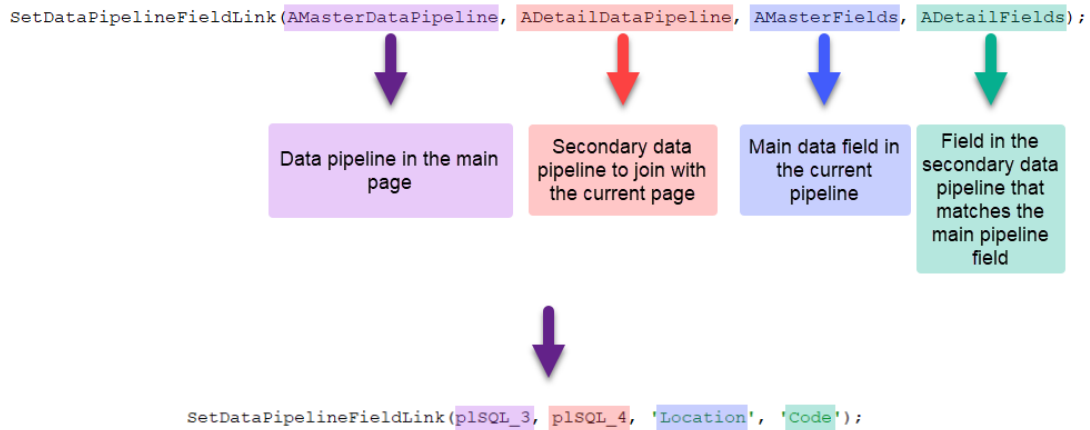
Global
procedure DBTxSortByOnGetText(var Text: String);
procedure BCNameToGetText(var Text: String);
procedure BContinuesOnPrint;
procedure BGTotaOnGetText(var Text: String);
procedure BTRetDateOnGetText(var Text: String);
procedure BTRetOnGetText(var Text: String);
procedure ReportBeforePrint;
procedure vCommRateOnCalc(var Value: Variant);
procedure vDueDateOnCalc(var Value: Variant);
procedure vTotalCommOnCalc(var Value: Variant);

LocalSQL_SELECT(pISQL_3, SQL_3, 'Location;DocDate;DocNo');
LocalSQL_SELECT(pISQL_4, SQL_4, 'Code');

SetDataPipelineFieldLink(Main, pISQL_0, 'DocKey', 'DocKey');
SetDataPipelineFieldLink(Main, pISQL_3, 'DocDate', 'DocDate');
SetDataPipelineFieldLink(Main, pISQL_3, pISQL_4, 'Location', 'Code');

f1.Values['Agent'] := 'Agent;Description';
f1.Values['Area'] := 'Area;Description';
f1.Values['CurrencyCode'] := 'CurrencyCode;Description';
f1.Values['Project'] := 'Project;Description';
f1.Values['Code'] := 'Code;CompanyTime';
f1.Values['DocDate'] := 'DocDate;DocDate';
f1.Values['CompanyName'] := 'Code;CompanyName';
f1.Values['DocNo'] := 'DocNo;DocNo';
f1.Values['CompanyCategory'] := 'CompanyCategory;Description';
    
```

The Code Toolbox on the right is the same as in the previous screenshot, showing the 'Code' field selected.



6. Right click to Compile the SQL query

Code Toolbox: Data

Name	Type	Size
Address	String	1C
Attention	String	1C
City	String	1C
Code	String	1C
Country	String	1C
Description	String	1C
Description2	String	1C
Email	String	1C
Fax1	String	1C
Fax2	String	1C
SubArea	String	1C

7. Save the report to resolve the alert

ReportBuilder - OSales Invoice Listing - Driver Comm

File Edit View Help

Save Ctrl+S

Save As...

Close

Import...

Export...

Event Handlers

```

procedure DBTSortByOnGetText(var Text: String);
procedure BCNameTOnGetText(var Text: String);
procedure BCContinueOnPrint;
procedure BCTotalOnGetText(var Text: String);
procedure BTRedDateOnGetText(var Text: String);
procedure BTRedTOnGetText(var Text: String);
procedure ReportBeforePrint;
procedure vCommRateOnCalc(var Value: Variant);
procedure vDueDateOnCalc(var Value: Variant);
procedure vTotalCommOnCalc(var Value: Variant);
    
```

LocalSQL_SELECT(pSQL_3, SQL_3, 'Location;DocDate;DocNo');
 LocalSQL_SELECT(pSQL_4, SQL_4, 'Code');

SetDataPipelineFieldLink(Main, pSQL_0, 'DocKey', 'DocKey');

SetDataPipelineFieldLink(Main, pSQL_2, 'DocKey', 'DocKey');

SetDataPipelineFieldLink(pSQL_3, pSQL_4, 'Location', 'Code');

```

(f1.Values['Agent'] := 'Agent;Description';
f1.Values['Area'] := 'Area;Description';
f1.Values['CurrencyCode'] := 'CurrencyCode;Description';
f1.Values['Project'] := 'Project;Description';
f1.Values['Code'] := 'Code;CompanyName';
f1.Values['DocDate'] := 'DocDate;DocDate';
f1.Values['CompanyName'] := 'Code;CompanyName';
f1.Values['DocNo'] := 'DocNo;DocNo';
f1.Values['CompanyCategory'] := 'CompanyCategory;Description';
    
```

Code Toolbox: Data

- Document_StockGroup
- Document_Location
- Document_Currency
- Document_Terms

Fields for Document_Location

Name	Type	Size
Address4	String	1C
Attention	String	1C
City	String	1C
Code	String	1C
Country	String	1C
Description	String	1C
Description2	String	1C
Email	String	1C
Fax1	String	1C
Fax2	String	1C
TotalHours	Integer	1r

Error: ReportBeforePrint, Line 21: Undeclared identifier: 'pSQL_4'

Main: pSQL_3 | SubRpt: Document_Detail | SubReport4: Document_SerialNumber | SubReport2: pSQL_1
 27: 148

8. Return to the saved report to update the settings for the group header and group footer

Select Report

- OSales Invoice Listing - Driver Comm**
- Sales Local - Invoice Collection Report - Level 1
- Sales Local - Invoice Listing - Level 1
- Sales Multi - Invoice Listing - Level 1
- Sales Multi - Invoice Listing (GST 1) - Level 1 - TaxInclusive

Select All

OK Cancel

OSales Invoice Listing - Driver Comm

Date : All
 Document : All
 Company : All
 Co Category : All
 Agent : All
 Area : All
 Currency : All
 Doc Project : All
 Project : All
 Location : All
 Birth : All
 Category : All
 Incl Cancelled : No
 Group By : Code
 Sort By : Code;DocDate;DocNo

Invoice Listing
 As At 20/01/2025

20/01/25 11:19 AM

Testing Company (200301008596 (611016-M)) Page 1 of 3

Doc. No.	Doc. Date	Due Date	Name	Item Code	Qty	Amount	Comm. Rate	Total Comm.
IV-00004								
IV-00008	30/06/2024	29/07/2024	YA SQUARE	ER/Lamp	5	5,062.50	1.7340	8.67
IV-00010	01/07/2024	29/07/2024	WENDY DESIGN GROUP	MPCT	1	400.00	1.0500	1.05
IV-00014	08/07/2024	29/07/2024	YA SQUARE	OU/LED/Beige	10	4,920.00	2.5755	25.76
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	PF35-Softa	3	4,500.00	1.5545	4.66
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	SS/Navy-01	10	300.00	0.1500	1.50
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	SPH-King	3	5,700.00	0.9650	2.90
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	ER/Lamp	3	2,400.00	1.7340	5.20
IV-00017	12/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	RL-Pkw	3	396.00	0.3350	1.01
Sub-Total of			IV-00004		38	23,678.50		50.75
ALVIN IV-00004								
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	LD/White	5	4,375.00	0.9150	4.58
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	LD/Silver	5	4,375.00	0.7850	3.93
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	PF35-Softa	10	21,000.00	1.5545	15.55
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	ER/Lamp	10	10,500.00	1.7340	17.34
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	MPCT	10	5,250.00	1.0500	10.50
Sub-Total of			IV-00004		40	45,500.00		102.65
CALEB IV-00004								
IV-00001	11/06/2024	29/07/2024	THAI TEA TRADING	RFC/Blue	10	400.00	0.1500	1.50

Page 1 of 3
 20/01/2025 11:10:48
 OSales Invoice Listing - Driver Comm

9. Change the data pipeline for group header and group footer to p1SQL_4 and set the data field to Description

The screenshot shows the ReportBuilder interface for 'OSales Invoice Listing - Driver Comm'. The 'Data' section of the 'Properties for edDesc1' is configured with 'DataField: Description' and 'DataPipeline: p1SQL_4'. The report layout includes a title, header, group header, detail, group footer, and footer sections.

Doc. No.	Doc. Date	Due Date	Name	Item Code	Qty	Amount	Comm. Rate	Total Comm.
Location			Description Continued				
Sub-Total of					Description	S66(dtpalAmount)	vGTotalComm	
Grand Total Amount						vSTotalComm		

10. Save the report

The screenshot shows the ReportBuilder interface with the 'Save' menu open. The 'Save' option is highlighted. The report layout is visible in the background.

The Driver Commission Report is fully generated as per the customer's request, with each driver's total commission displayed here.

Date : All
 Document : All
 Company : All
 Co Category : All
 Agent : All
 Area : All
 Currency : All
 Doc Project : All
 Project : All
 Birth : All
 Location : All
 Category : All
 Ind Cancelled : No
 Group By : Code
 Sort By : Code,DocDate,DocNo

20/01/25 11:10 AM

Invoice Listing As At 20/01/2025

Page 1 of 3

Testing Company (200301008596 (611016-#))

Doc. No.	Doc. Date	Due Date	Name	Item Code	Qty	Amount	Comm. Rate	Total Comm.
DEFAULT LOCATION								
IV-00008	30/06/2024	29/07/2024	YA SQUARE	ER/Lamp	5	5,062.50	1.7340	8.67
IV-00010	01/07/2024	29/07/2024	WENDY DESIGN GROUP	MPCT	1	400.00	1.0500	1.05
IV-00014	08/07/2024	29/07/2024	YA SQUARE	OL/LED/Beige	10	4,920.00	2.5755	25.76
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	PF35-Sofa	3	4,500.00	1.5545	4.66
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	SS/Navy-01	10	300.00	0.1500	1.50
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	SPH-King	3	5,700.00	0.9650	2.90
IV-00015	09/07/2024	29/07/2024	GOGO HOME DECOR	ER/Lamp	3	2,400.00	1.7340	5.20
IV-00017	12/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	RL-Pkw	3	396.00	0.3350	1.01
Sub-Total of DEFAULT LOCATION					38	23,678.50		50.75
ALVIN								
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	LD/White	5	4,375.00	0.9150	4.58
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	LD/Silver	5	4,375.00	0.7850	3.93
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	PF35-Sofa	10	21,000.00	1.5545	15.55
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	ER/Lamp	10	10,500.00	1.7340	17.34
IV-00013	08/07/2024	29/07/2024	GOHILLS INTERNATIONAL GROUP	MPCT	10	5,250.00	1.0500	10.50
Sub-Total of ALVIN					40	45,500.00		102.65
CALEB								
IV-00001	11/06/2024	29/07/2024	THAI TEA TRADING	RFC/Blue	10	400.00	0.1500	1.50

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That's all for this tutorial. Thank you for watching!