

# **Oracle Developer: Reports Case Study - IBM Graduate Program**

**Case Studies**

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## Case 1

### Tabular Report on Supplier Information

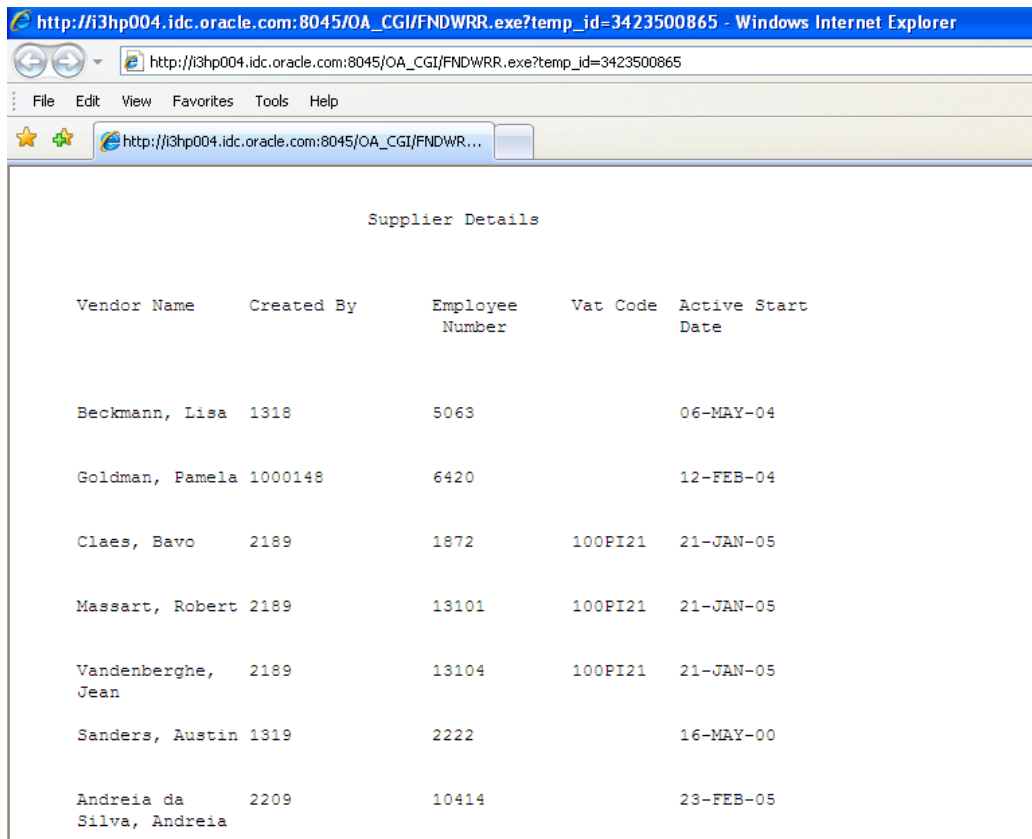
This demonstration involves creating a tabular 10g Oracle Developer report and register the same in Oracle Apps Release 12.

#### Task 1: Create a Report

##### Requirement:

Requirement is to generate a report that displays information about all the suppliers who are employees and are currently active in the system.

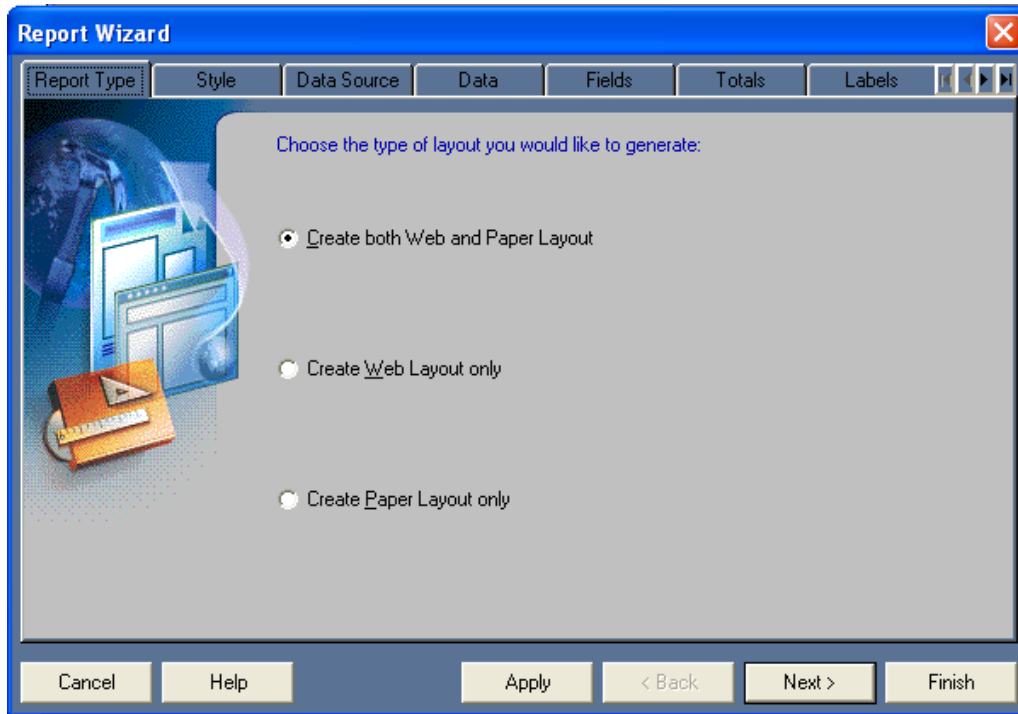
Your output should look similar to the following when the report is run from oracle applications:



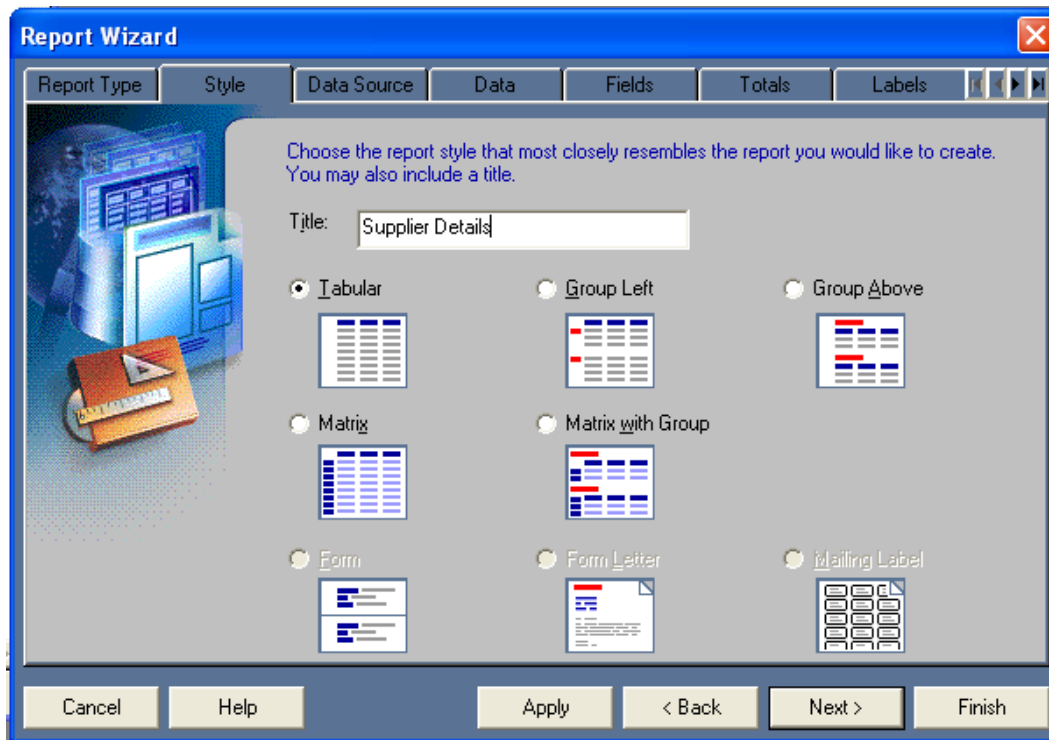
Vendor Name	Created By	Employee Number	Vat Code	Active Start Date
Beckmann, Lisa	1318	5063		06-MAY-04
Goldman, Pamela	1000148	6420		12-FEB-04
Claes, Bavo	2189	1872	100PI21	21-JAN-05
Massart, Robert	2189	13101	100PI21	21-JAN-05
Vandenberghe, Jean	2189	13104	100PI21	21-JAN-05
Sanders, Austin	1319	2222		16-MAY-00
Andreia da Silva, Andreia	2209	10414		23-FEB-05

**Steps involved: -**

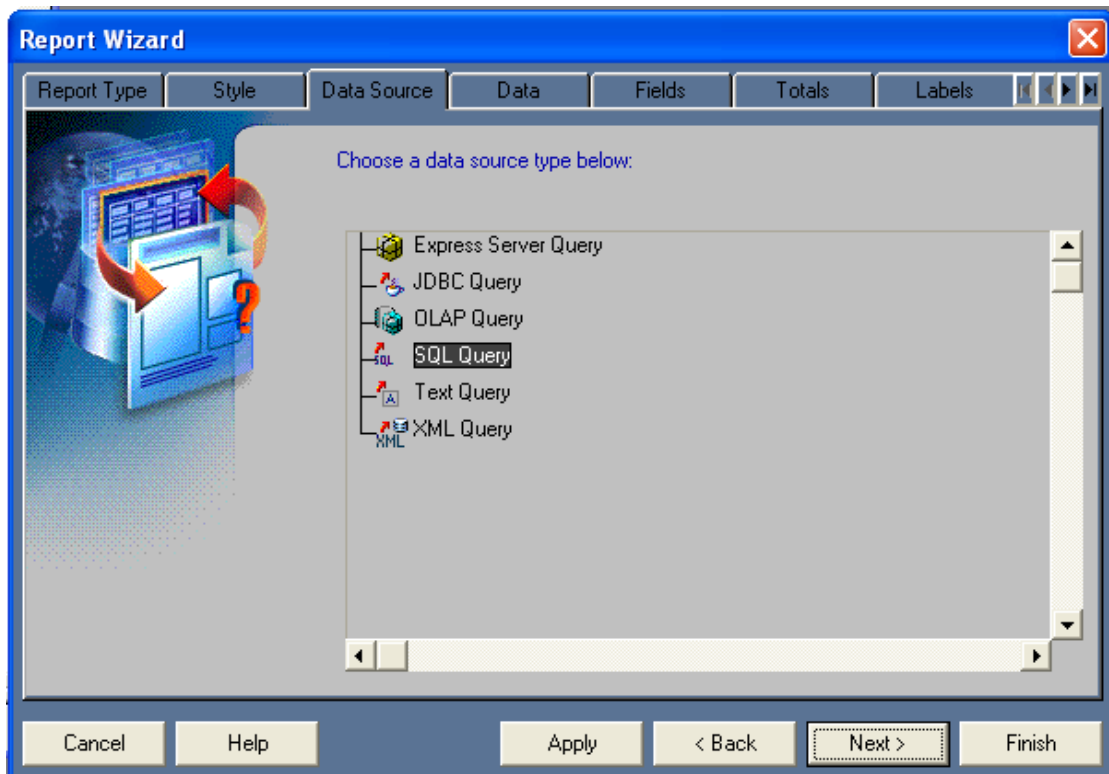
1. Open Reports Developer→ Report builder. Create a new report (e.g.- TEST\_REP1.rdf)
2. Go to Tools>Report Wizard.



3. Select the layout for oracle report. Click 'Next'. Next tab selects the layout type for report.



4. Give a suitable title for supplier details report and select the report style as tabular.

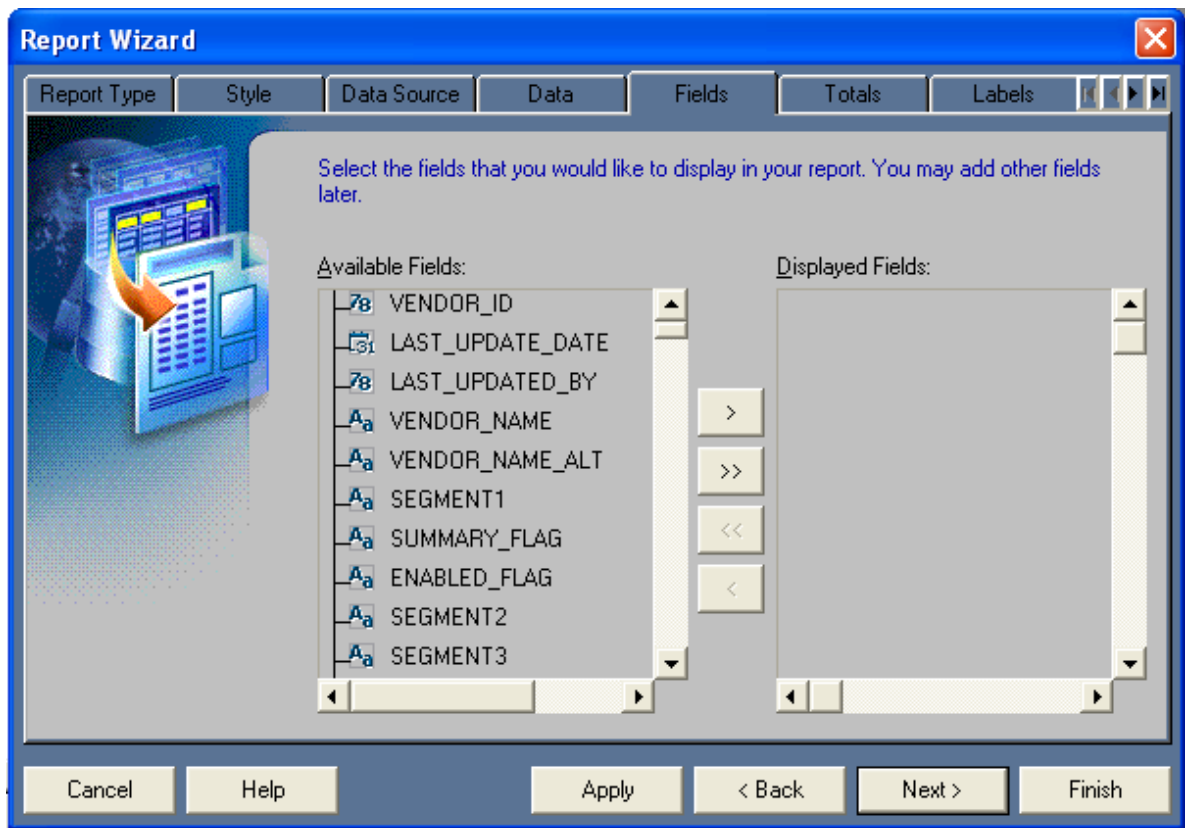


Select the datasource as Query. Click 'Next'.





Use the following query and Click 'Next':

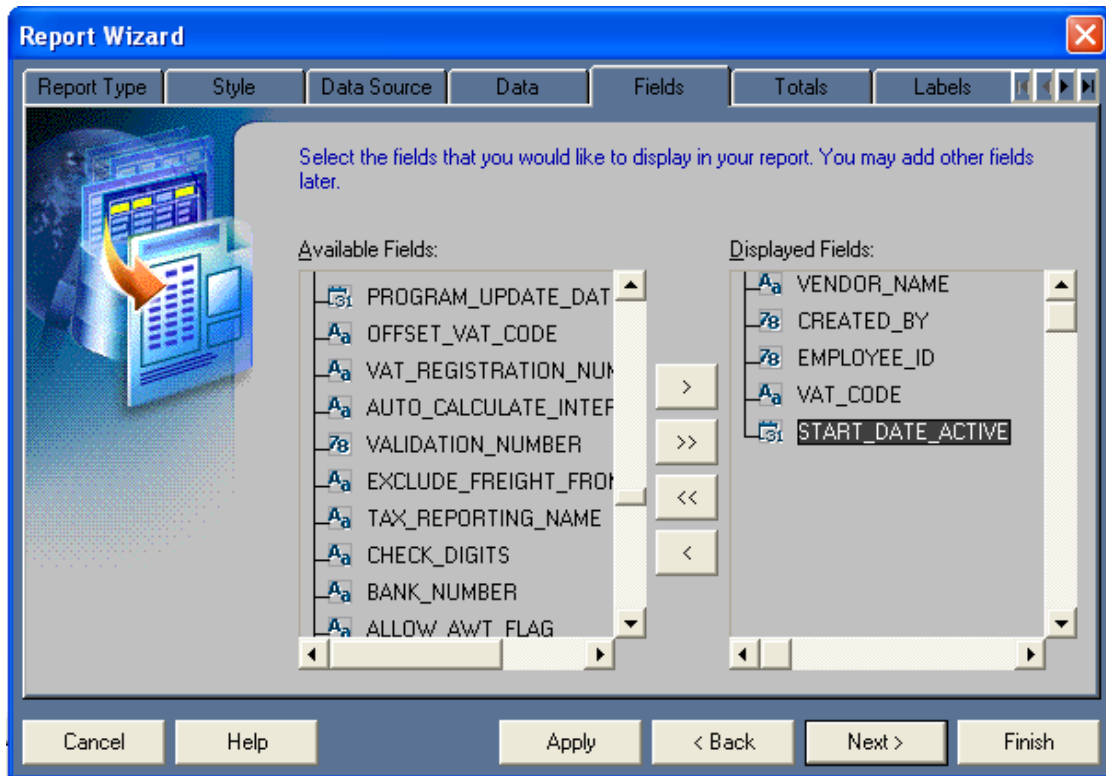
```
SELECT AS1.*
FROM ap_suppliers AS1
WHERE AS1.enabled_flag = 'Y'
AND NVL(AS1.end_date_active,SYSDATE+1) > SYSDATE
AND AS1.employee_id IS NOT NULL
```

- Next screen will display all the columns returned by the Query.

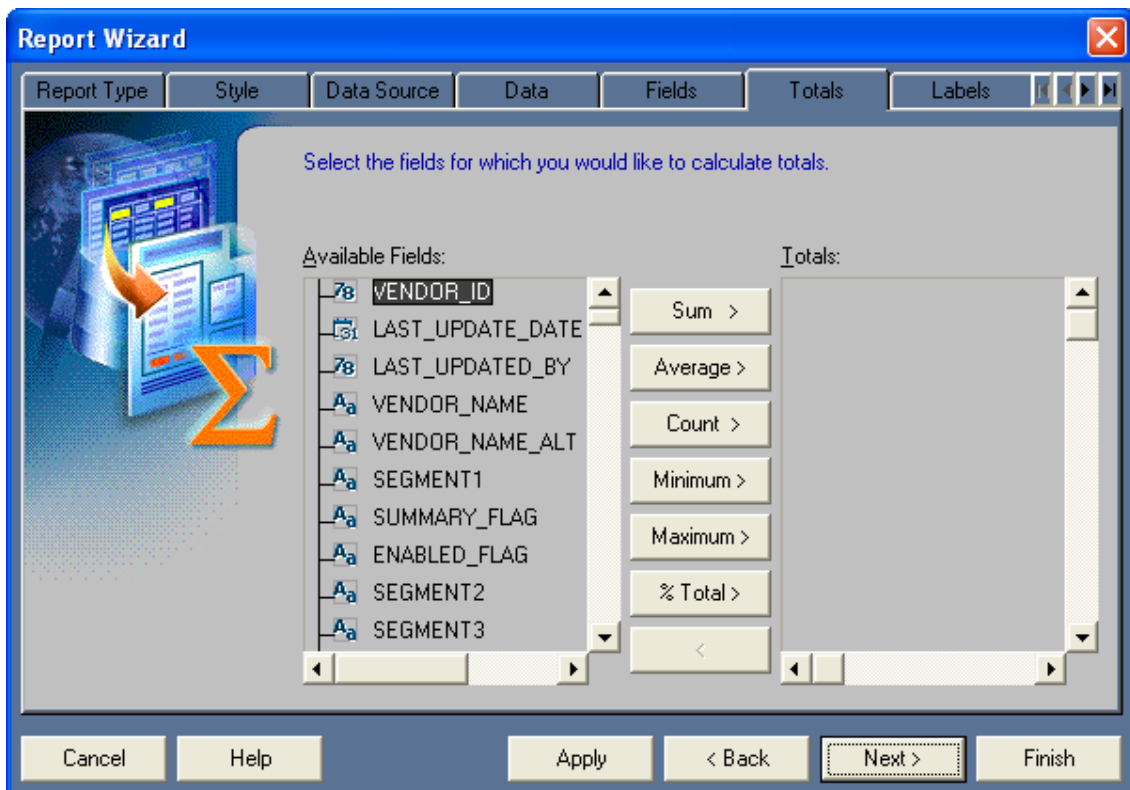


The 'Displayed Fields' area shows the columns that will be displayed on the report.

Click on the   arrows to move columns to and from display area one by one or   arrows to move all columns from 'Available Fields' to 'Displayed Fields' and vice versa. Select the following columns based on requirement. Click 'Next'.

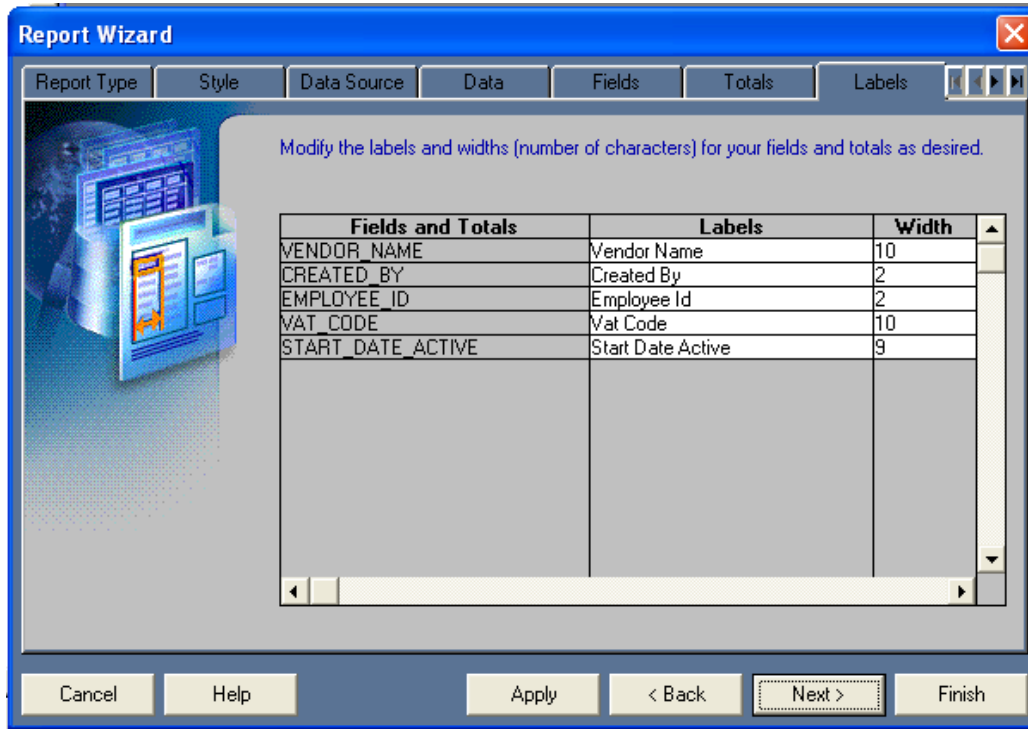


- Next screen displays the formula columns that can be included in the report. We are not including any calculation for this report. Click 'Next'

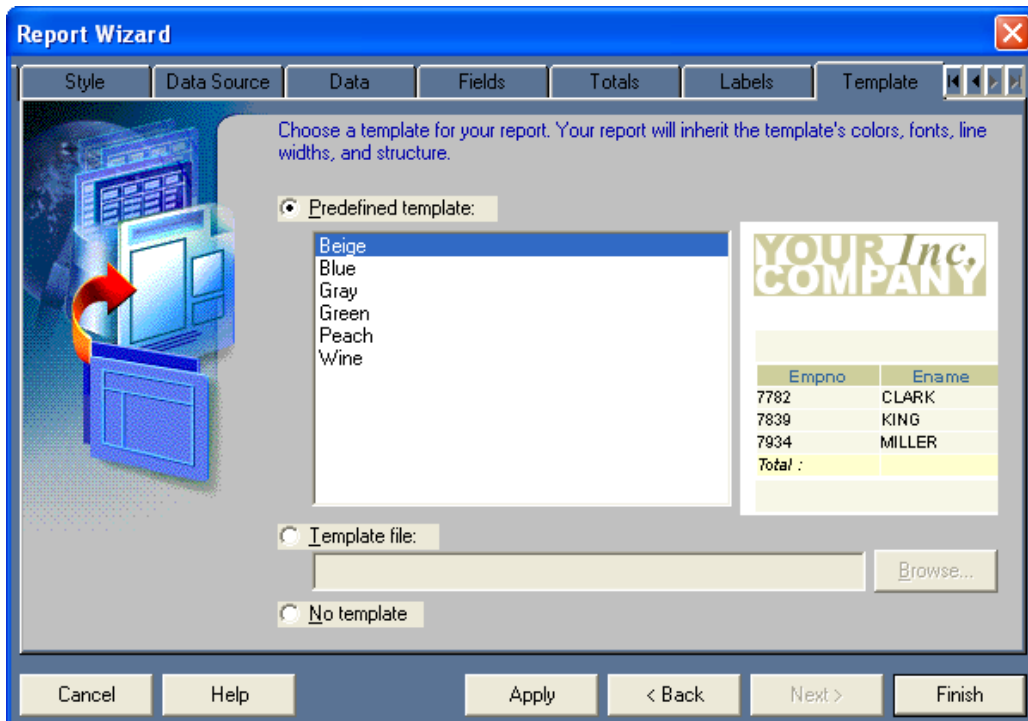




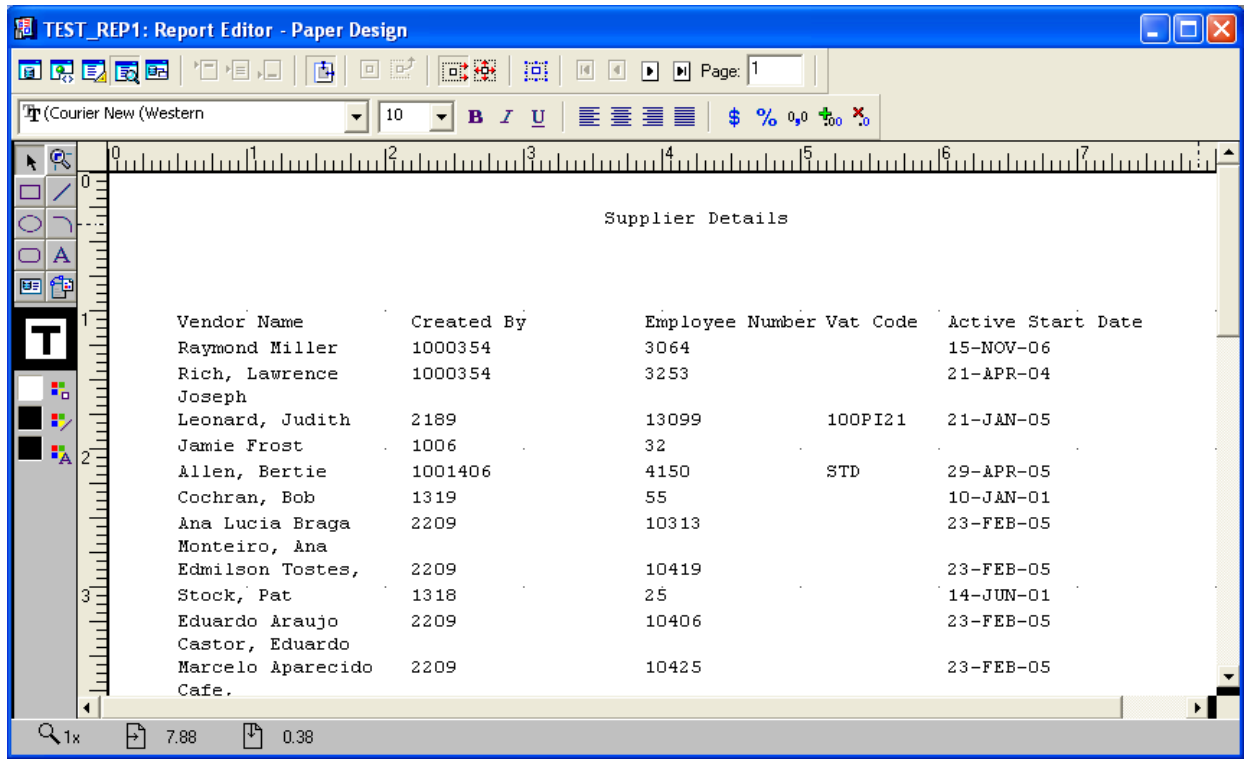
- Next screen displays the Field width assigned to each column in the layout. We can also change the column label to be displayed.



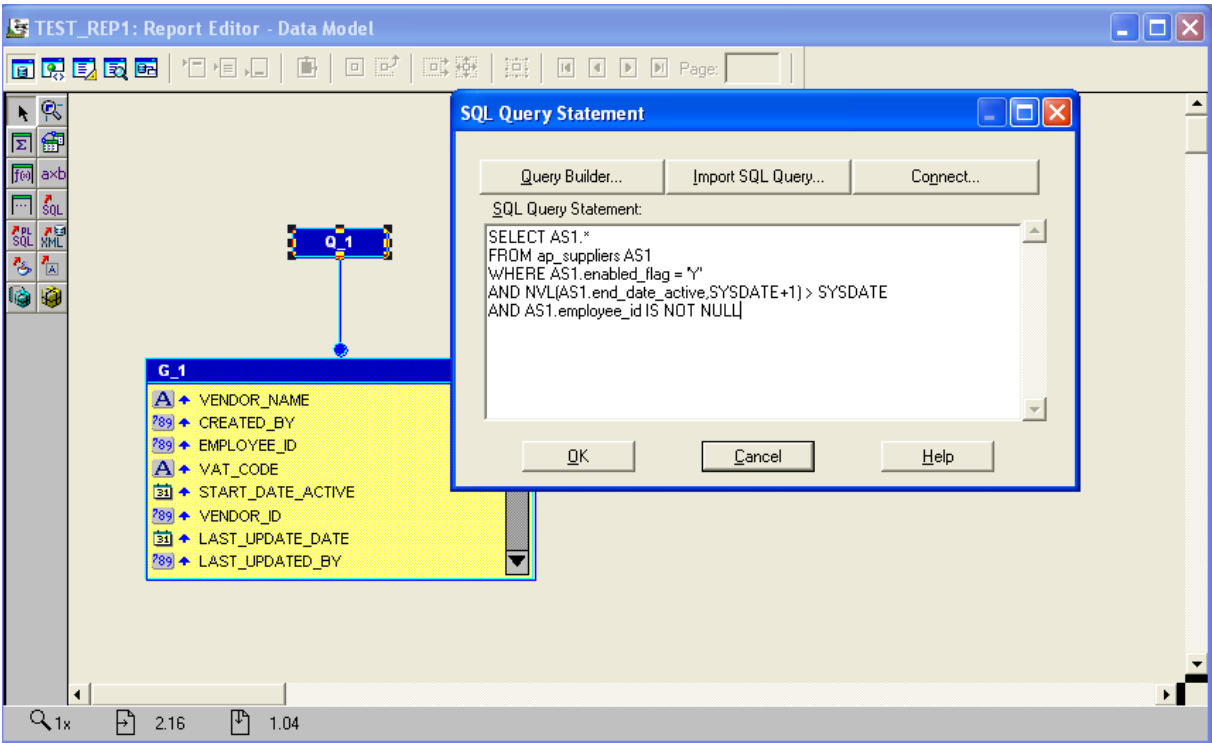
- Next screen gives choice to choose the theme for the report to be displayed. Select as 'No template'. Click 'Finish'.



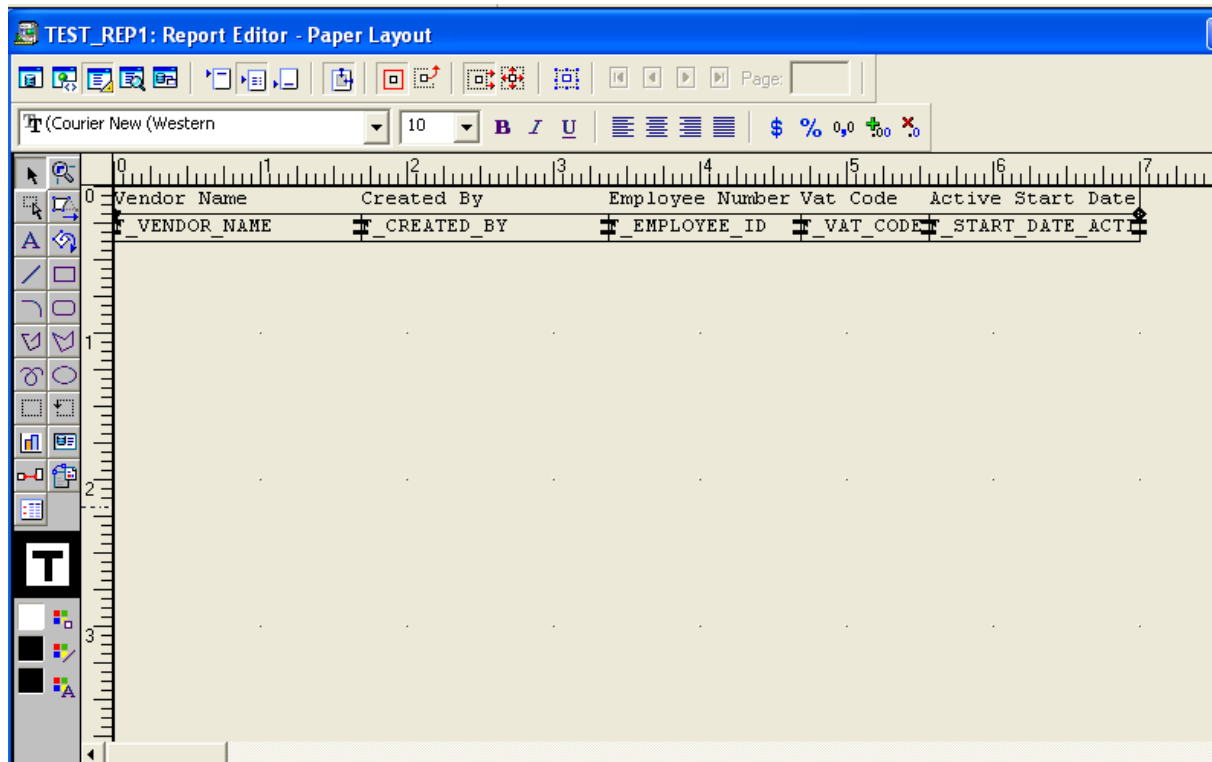
- On click of 'Finish' Button, report editor opens and displays the paper design of how the report will be displayed.



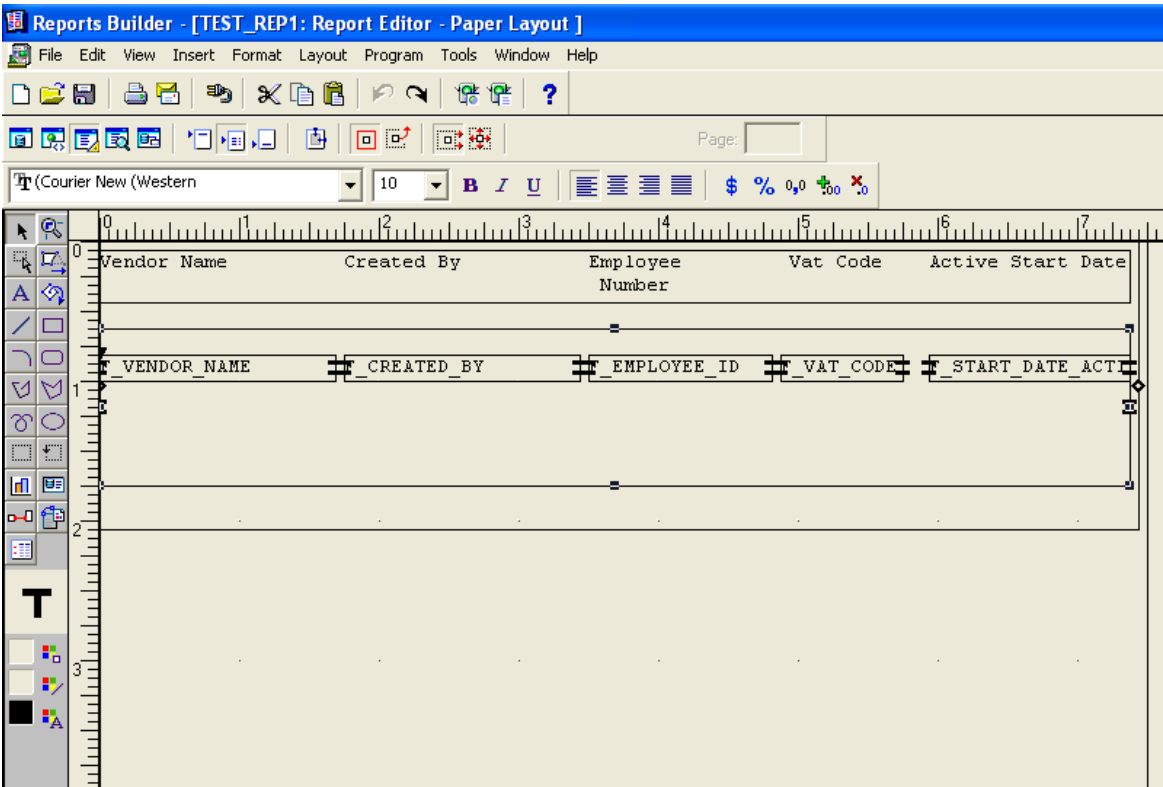
- We can always go to 'Report Wizard' and modify a particular tab accordingly. As it is a simple tabular report, the data model will be single tire. In the figure, Q\_1 signifies the query and G\_1 signifies the group of columns under it.



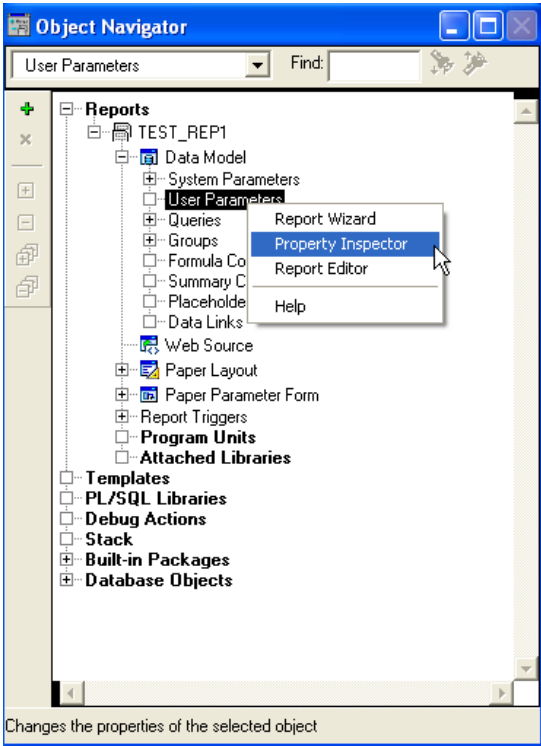
The paper layout is created as:



All the display changes to report are made at layout level. Modify the layout for report to display as desired.



11. Go to Data Model>User Parameters.



Include a new user parameter P\_CONC\_REQUEST\_ID with following details:

Name: P\_CONC\_REQUEST\_ID  
Datatype: Number  
Width: 15  
Initial Value: 0

The concurrent manager passes the concurrent request ID to your report using this parameter.

12. Go to Report Triggers. Include following text for user exits in 'Before Report' trigger.

SRW.USER\_EXIT('FND SRWINIT');

This user exit sets up information for use by profile options and other AOL features.

13. Go to Report Triggers. Include following text for user exits in 'After Report' trigger.

SRW.USER\_EXIT('FND SRWEXIT');

This user exit frees all the memory allocation done in other AOL exits.

14. Save the .rdf and place on the server in respective application top. (e.g. \$CUST\_TOP/reports/US/TEST\_REP1.rdf)

## Task 2: Registering the Report in Oracle Apps

1. Login to the 11i eBusiness Suite instance at the Instructor designated instance: (e.g., [http://es0144.oracle.com/OA\\_HTML/AppsLocalLogin.jsp](http://es0144.oracle.com/OA_HTML/AppsLocalLogin.jsp))
2. Use the username sysadmin/sysadmin.
3. Go to System Administrator Responsibility
4. Go to Concurrent> Program> Executable.
5. Give the following values:

Executable : Any User defined Name(e.g. TEST\_SUPPLIER)  
Short Name : Any User defined Name( e.g. TEST\_SUPPLIER)  
Application Name: Where the .rdf file is located (e.g. 'Custom Development' here, as the rdf is kept in \$CUST\_TOP)  
Execution Method :Oracle Reports (for reports)  
Execution File : Actual Report Name i.e. placed on the server(e.g.-TEST\_REP1.rdf )

Concurrent Program Executable

Executable	TEST_SUPPLIER
Short Name	TEST_SUPPLIER
Application	Custom Development
Description	This is a test report
Execution Method	Oracle Reports
Execution File Name	TEST_REP1
Subroutine Name	
Execution File Path	

Stage Function Parameters

6. Go to Concurrent>Program>Define. Create Concurrent program and attach Executable created in Step 5.
7. Go to Navigator>security >Responsibility>Request. Create Request Group, attach Concurrent Program created in Step 4
8. Go to System Administrator>Responsibility. Create Responsibility, attach
  - Request Group
  - Menu
  - Data Group
9. Create User, Attach Responsibility to the User
10. User will submit the request from SRS (Standard Request Submission) Window

Submit Request

Run this Request...

Copy...

Name

Supplier Employees

Operating Unit

Parameters

Language

American English

Language Settings...

Debug Options

At these Times...

Run the Job

As Soon as Possible

Schedule...

Upon Completion...

☒ Save all Output Files

Layout

Notify

Print to

noprint

Options...

Help (C)

Submit

Cancel

Report Output:

http://i3hp004.idc.oracle.com:8045/OA\_CGI/FNDWRR.exe?temp\_id=3423500865 - Windows Internet Explorer

http://i3hp004.idc.oracle.com:8045/OA\_CGI/FNDWRR.exe?temp\_id=3423500865

File Edit View Favorites Tools Help

http://i3hp004.idc.oracle.com:8045/OA\_CGI/FNDWR...

Supplier Details

Vendor Name	Created By	Employee Number	Vat Code	Active Start Date
Beckmann, Lisa	1318	5063		06-MAY-04
Goldman, Pamela	1000148	6420		12-FEB-04
Claes, Bavo	2189	1872	100PI21	21-JAN-05
Massart, Robert	2189	13101	100PI21	21-JAN-05
Vandenberghe, Jean	2189	13104	100PI21	21-JAN-05
Sanders, Austin	1319	2222		16-MAY-00
Andreia da Silva, Andreia	2209	10414		23-FEB-05

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## Case 2

### Group-by Report on Invoice Details with Parameters

In this lab, you will create a 10g Oracle Developer report with group by relationship and register the same in Oracle Apps Release 12.

#### Task 1: Create a report

##### Requirement:

Requirement is to generate a master-detail report to display information about invoice total at the various supplier sites when the user provides the vendor name from a set of values at run time.

Your output should look similar to the following when the report is run from oracle applications:

```

                                Vendor Invoice details

Vendor      Beckmann,
            Lisa

Site Id      4905           Address    500 Madison Ave  Country US

Vendor      OFFICE           City      New York
Site Code

            Invoice Num  Invoice Amt  Amount Paid  Tax Amount
W23499      3432         3432
W22629      2937         2937
W22886      3338         3338
W25509      3740         3740
W25545      3814         3814
W23789      3556         3556
W23209      3326         3326
W25563      3653         3653
  
```



**Steps involved: -**

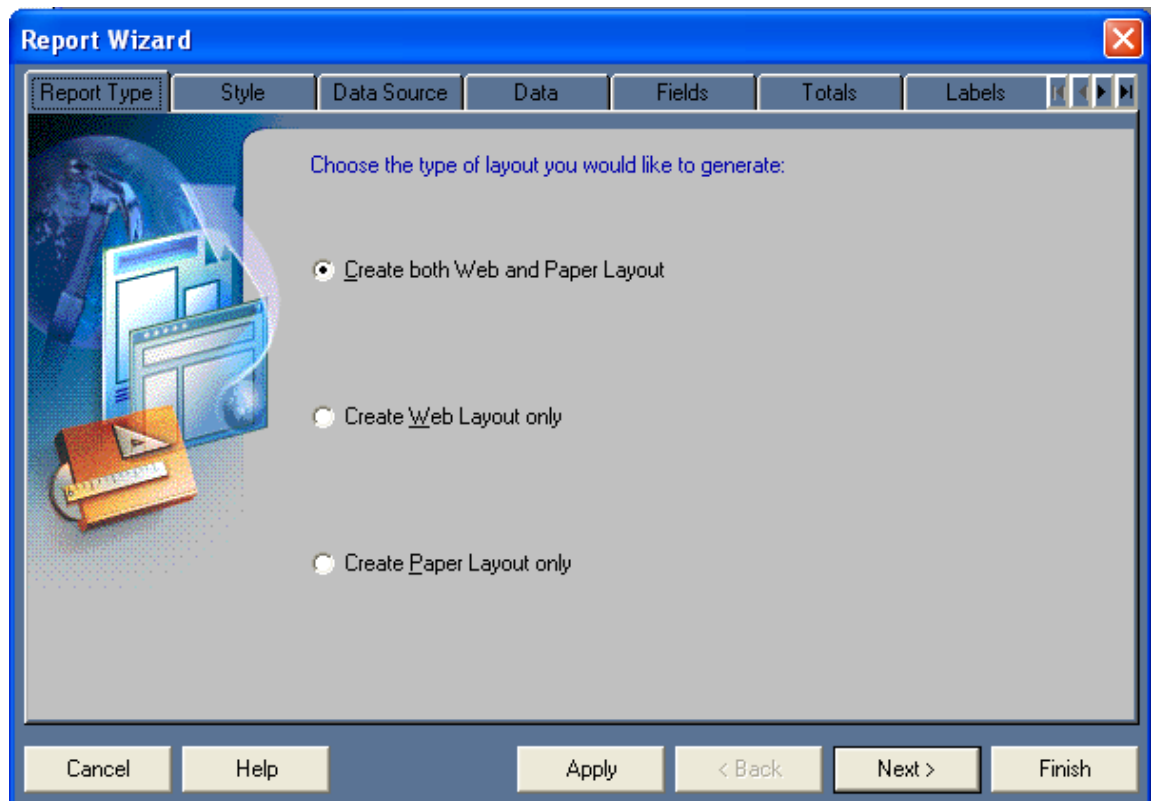
1. Open Reports Developer> Report builder. Create a new report(E.g.- TEST\_REP2.rdf)
2. Go to Data Model>User Parameters. Include a new user parameter P\_CONC\_REQUEST\_ID with following details:

Name: P\_CONC\_REQUEST\_ID  
Datatype: Number  
Width: 15  
Initial Value: 0

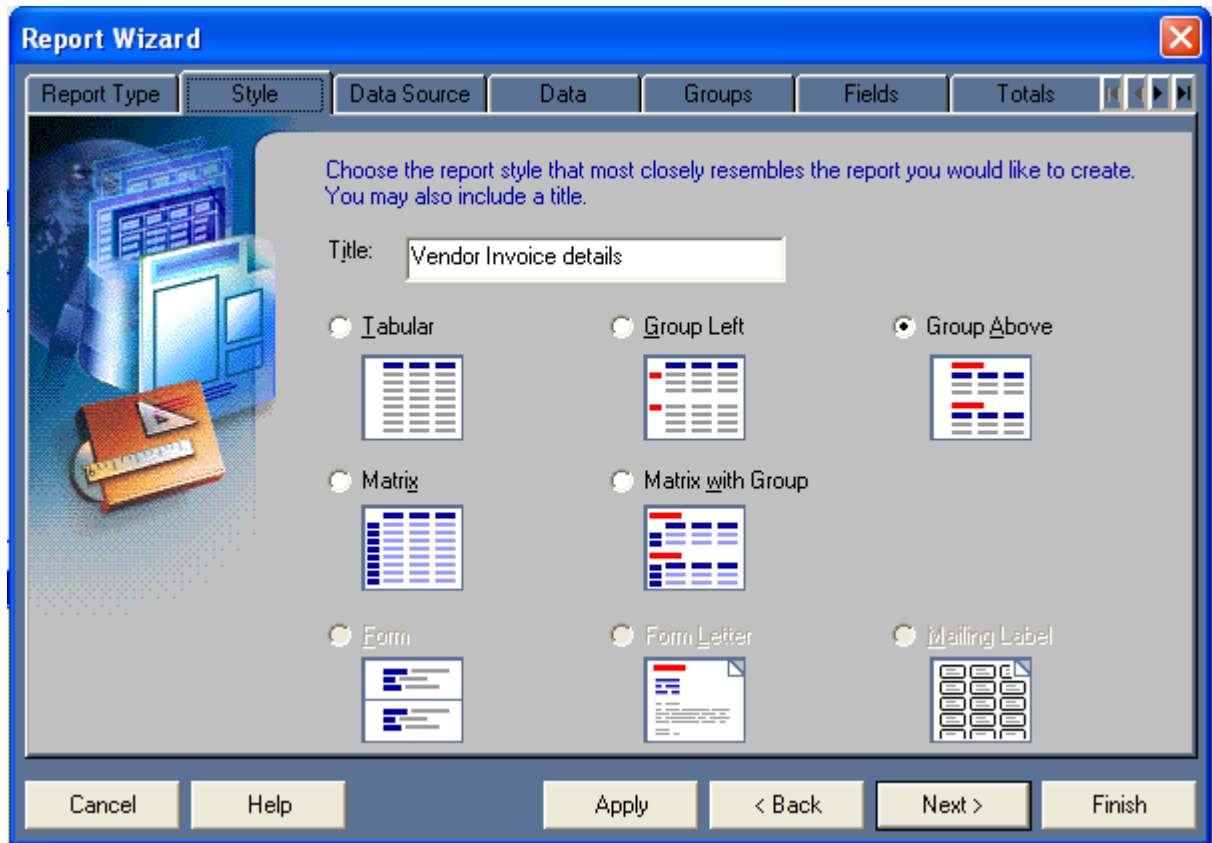
As the report is dependent on the vendor id to be passed, create one more parameter with following details:

Name: P\_VENDOR\_ID  
Datatype: Number  
Width: 15

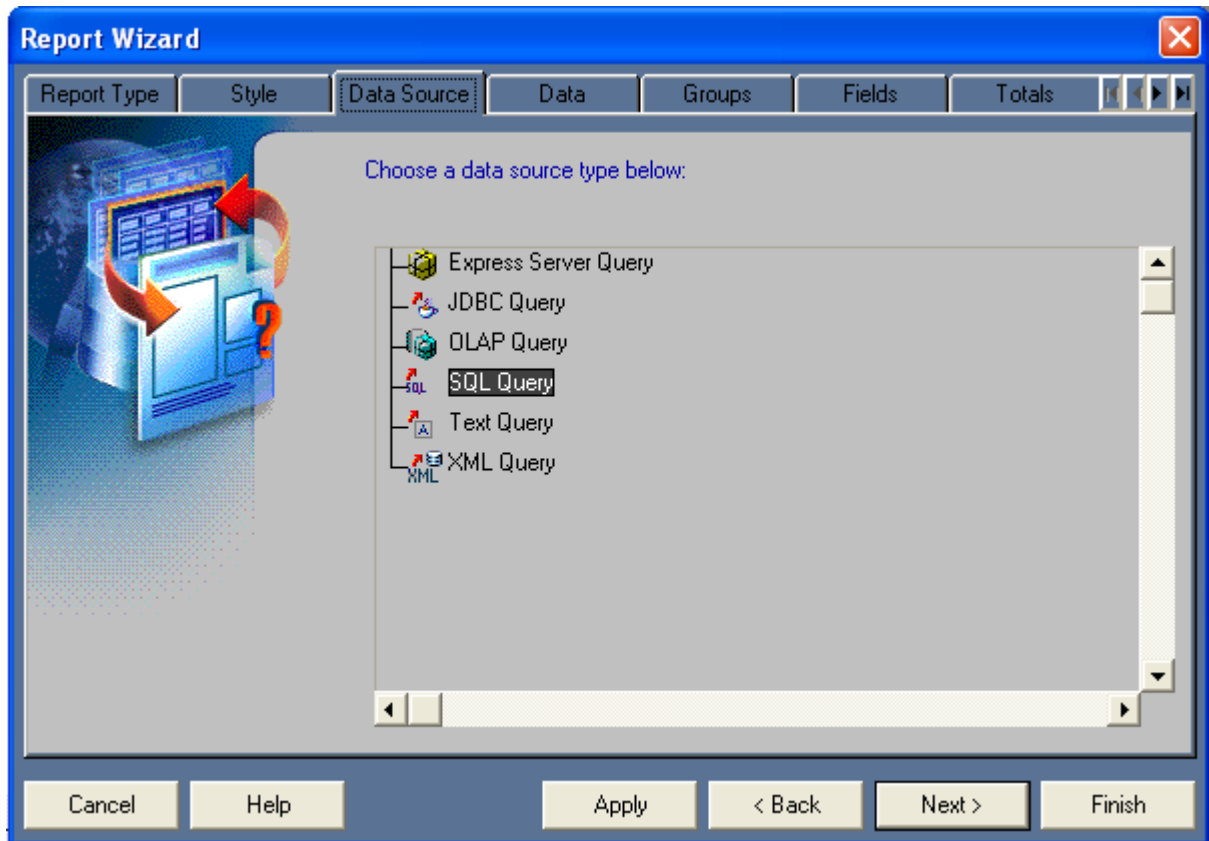
3. Go to Tools>Report Wizard



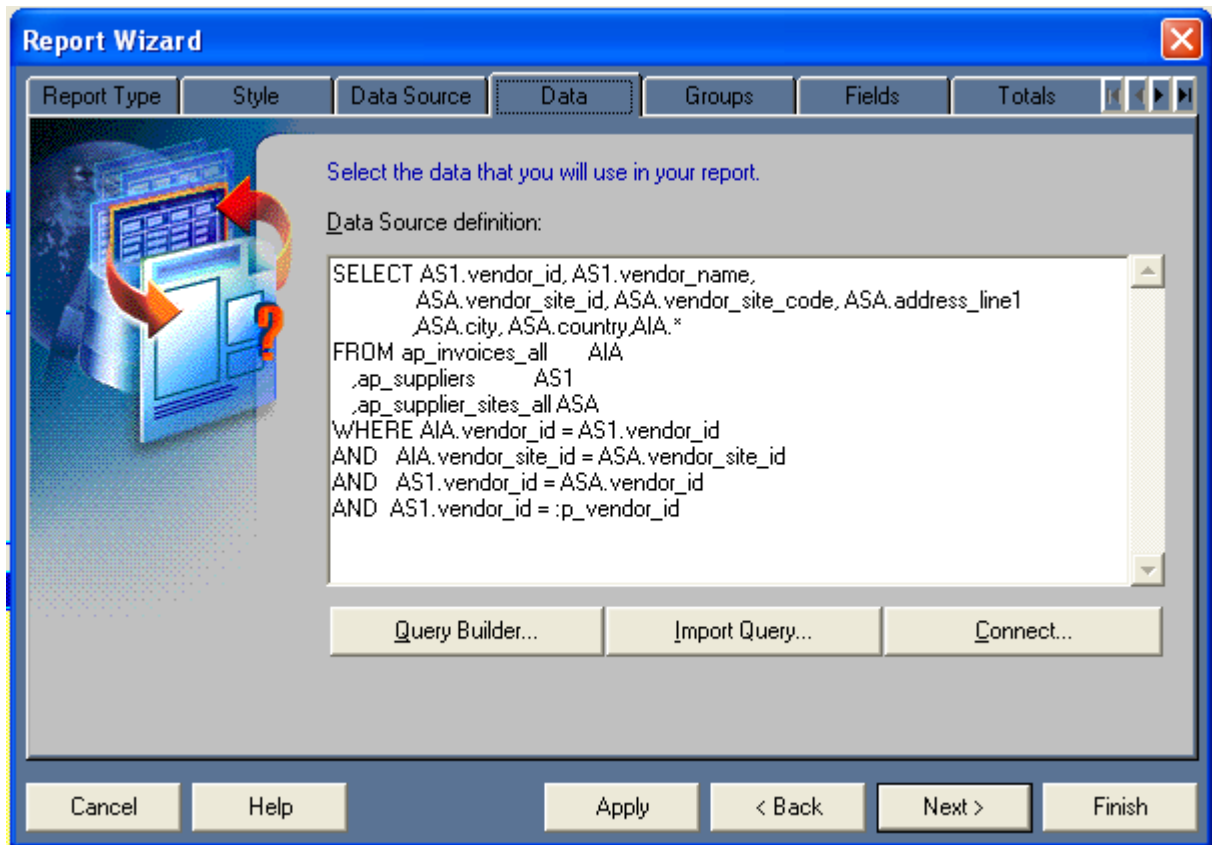
4. Select the layout for oracle report. Click 'Next'. Next tab selects the layout type for report



Give a suitable title for Vendor Invoice details report and select the report style as group by.



Select the datasource as Query. Click 'Next'.

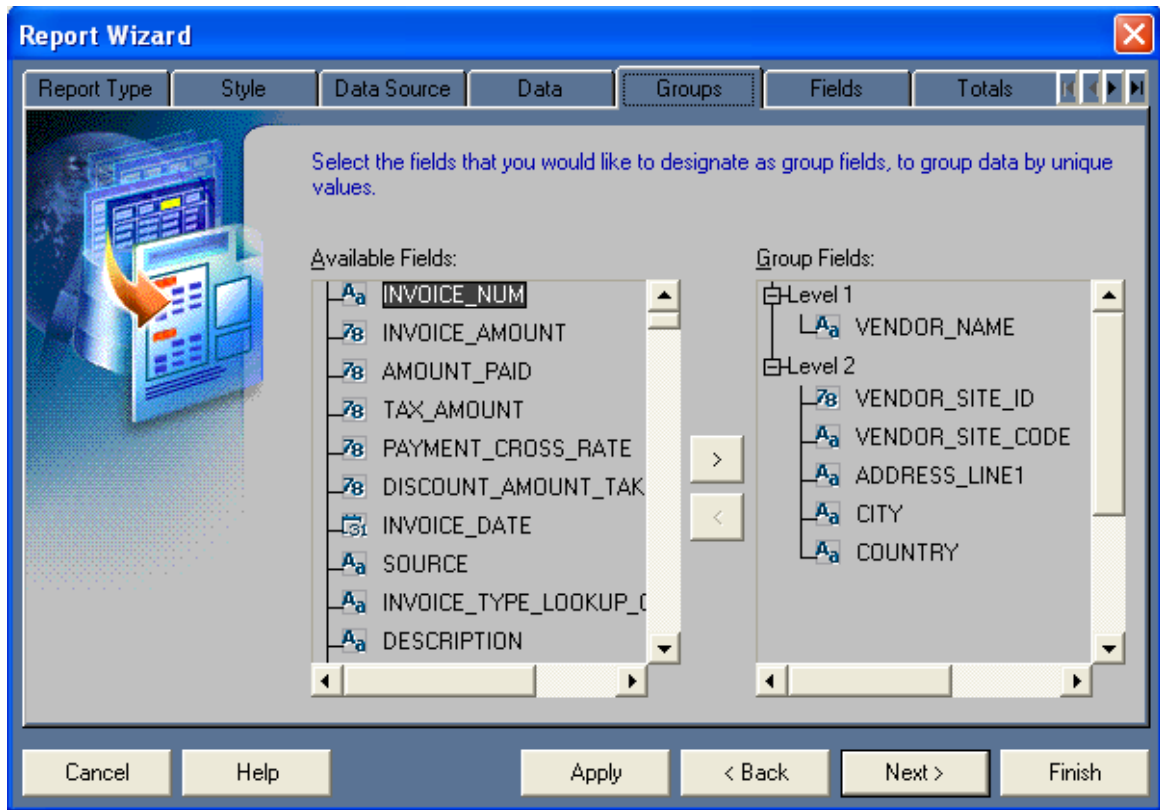


Use the following query and Click 'Next':

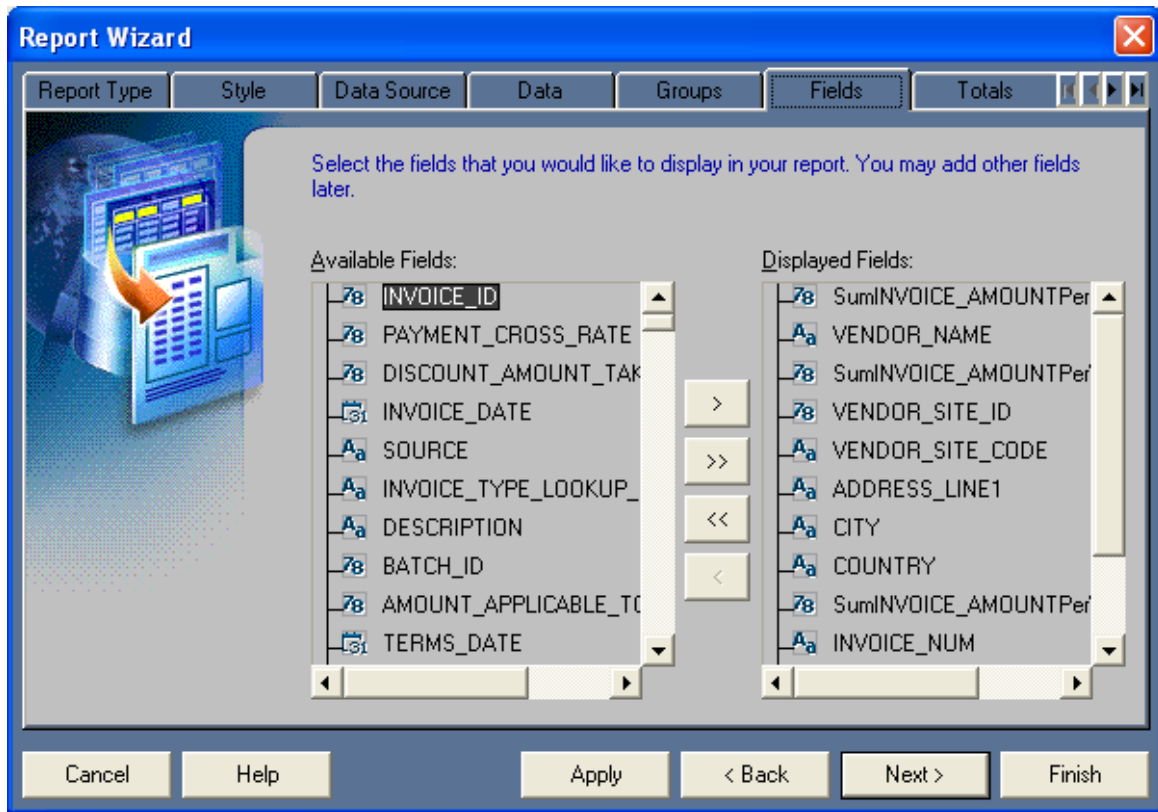
```
SELECT AS1.vendor_id, AS1.vendor_name,
       ASA.vendor_site_id, ASA.vendor_site_code, ASA.address_line1,
       ASA.city, ASA.country, AIA.*
FROM   ap_invoices_all    AIA
       ,ap_suppliers      AS1
       ,ap_supplier_sites_all ASA
WHERE  AIA.vendor_id = AS1.vendor_id
AND    AIA.vendor_site_id = ASA.vendor_site_id
AND    AS1.vendor_id = ASA.vendor_id
AND    AS1.vendor_id = :p_vendor_id
```

Where 'p\_vendor\_id' is a parameter to be passed on basis of which the report is generated. The Colon before the parameter shows that it is provided at run time.





- Next screen gives the user the choice to select the grouping fields to be used in group-by clause



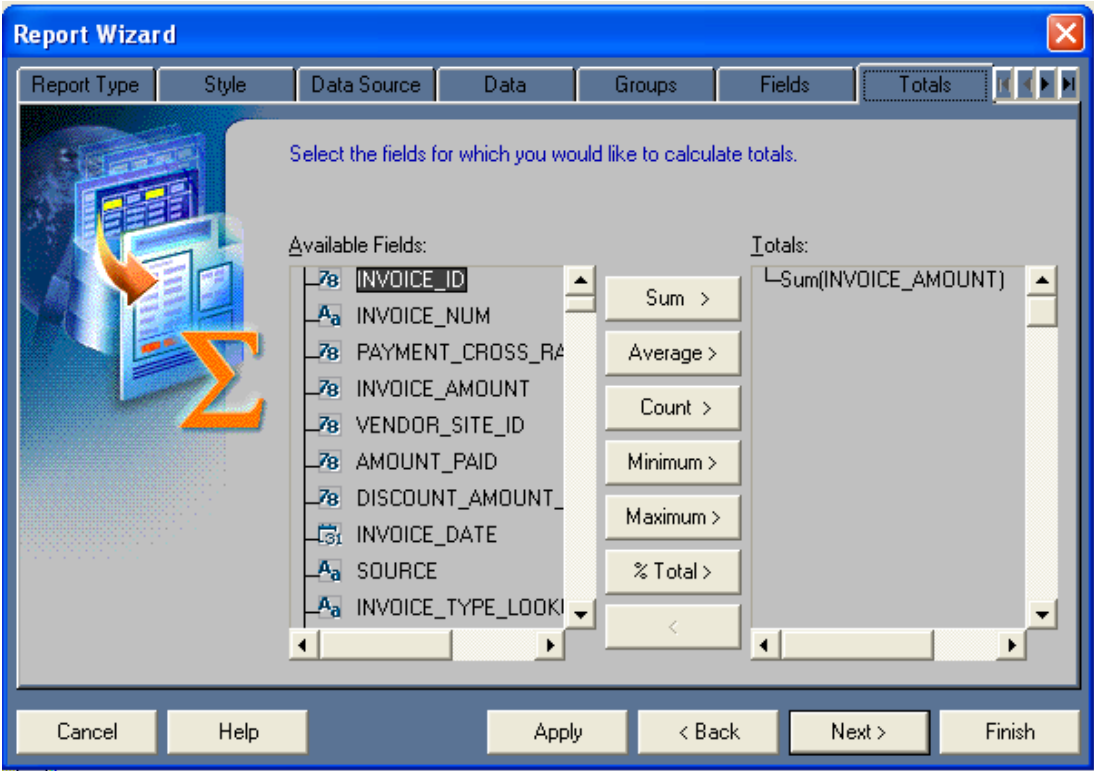
Next screen will display all the columns returned by the Query.



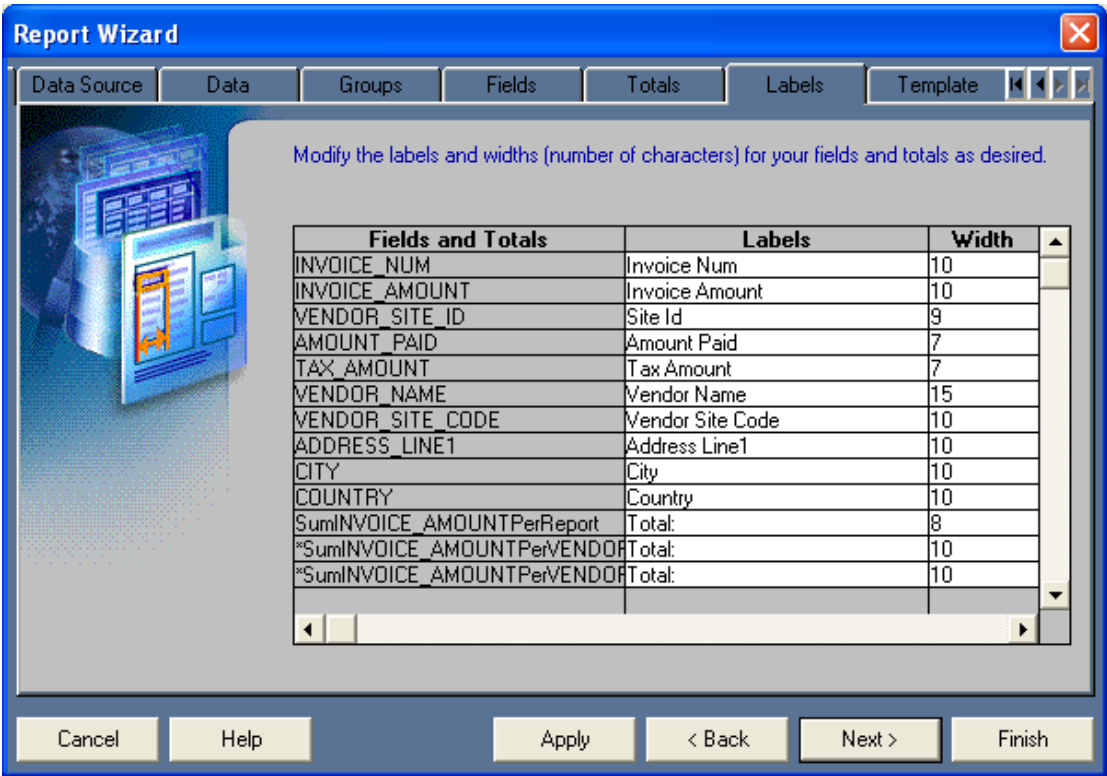
The 'Displayed Fields' area shows the columns that will be displayed on the report.

Click on the   arrows to move columns to and from display area one by one or   arrows to move all columns from 'Available Fields' to 'Displayed Fields' and vice versa. Select the following columns based on requirement. Click 'Next'

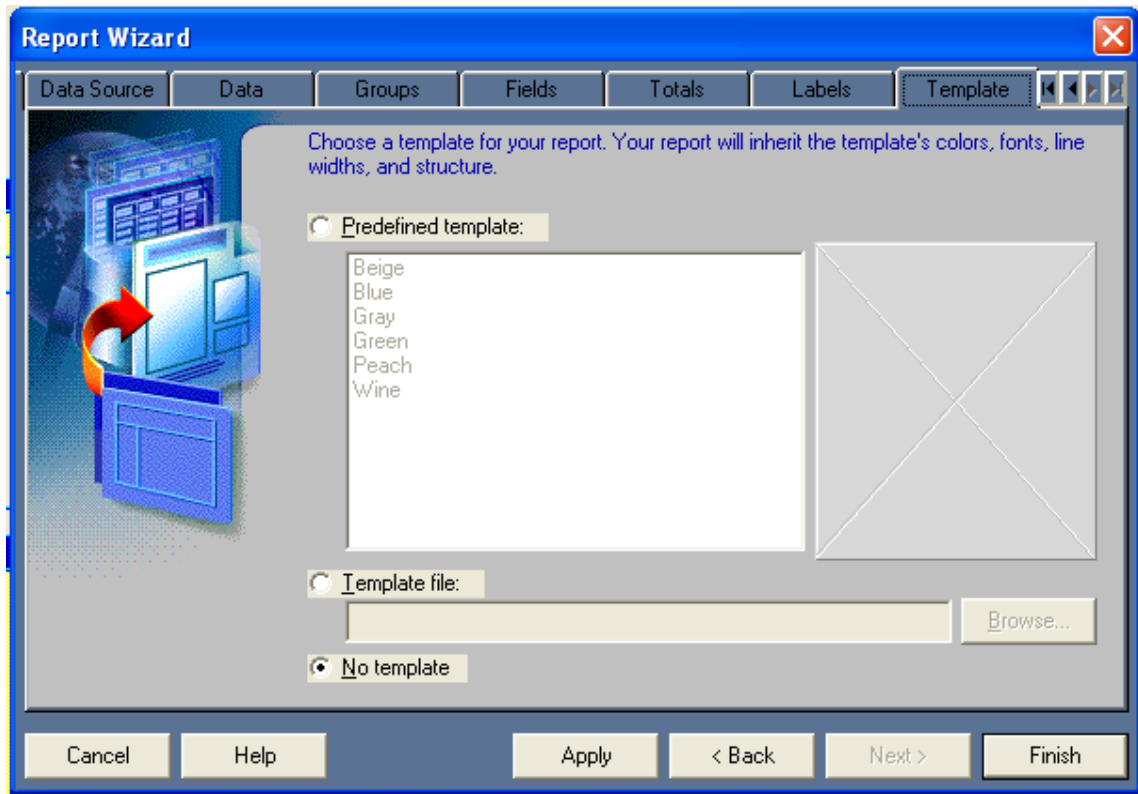
Next screen displays the formula columns that can be included in the report. In this case we need to give the sum of invoices, so select the proper formula. Click 'Next'



Next screen displays the Field width assigned to each column in the layout. We can also change the column label to be displayed.

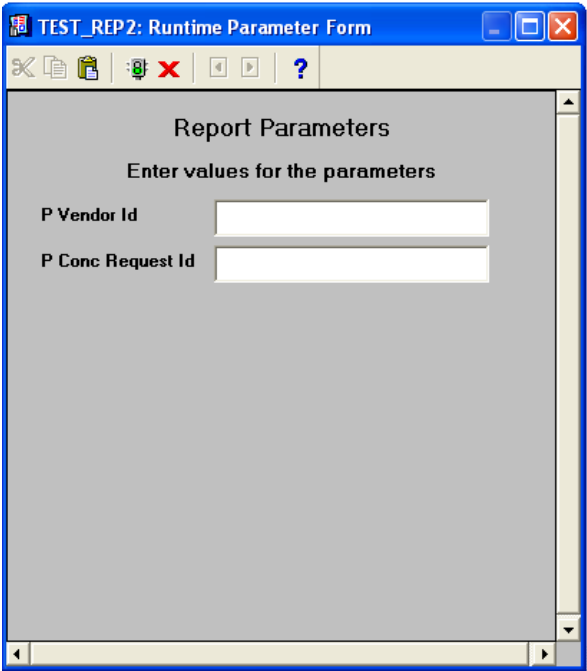


Next screen gives choice to choose the theme for the report to be displayed. Select as 'No template'. Click 'Finish'.



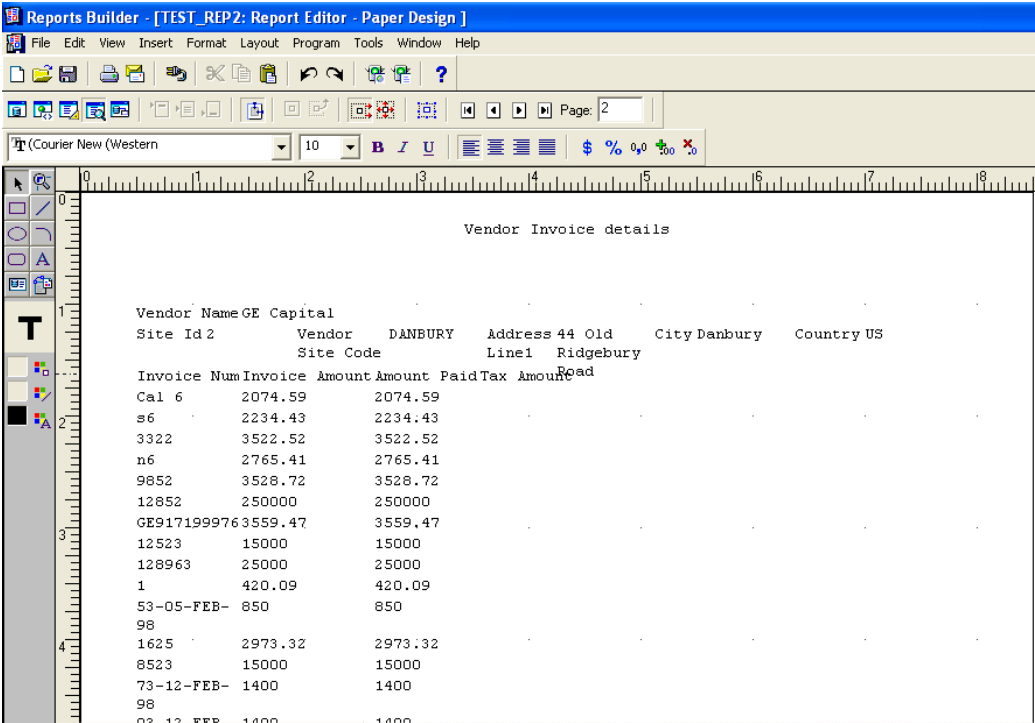
6. On click of 'Finish' Button, the report is run locally. It will ask for the 2 parameters added earlier as:



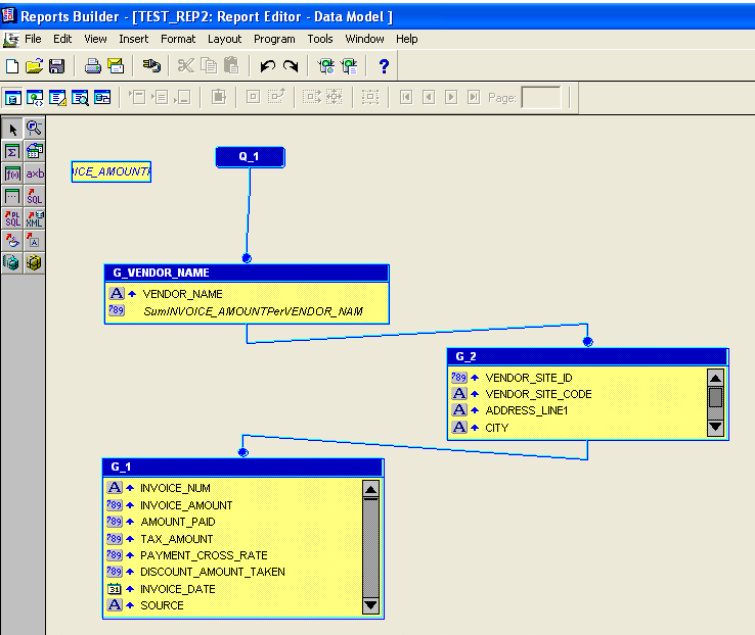


Here enter the vendor id for which the report is to be executed in field ‘P Vendor Id’. Do not pass any value to parameter P Conc Request Id. Press Enter.

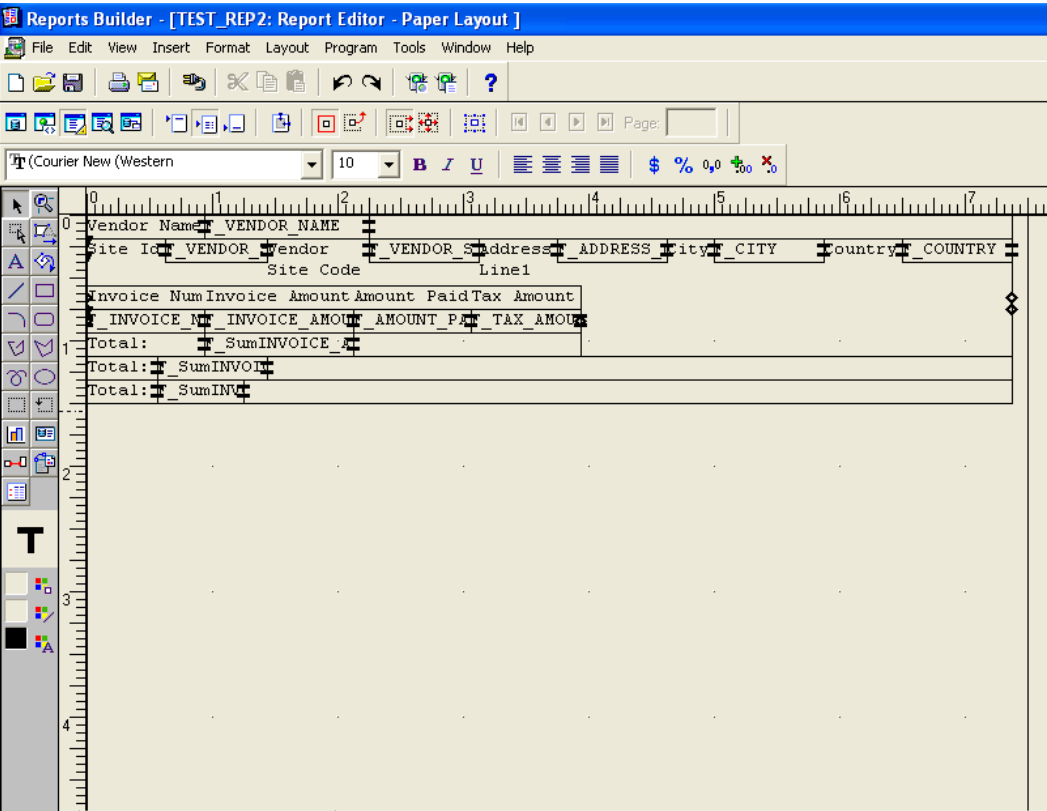
The report editor opens and displays the paper design of how the report will be displayed.



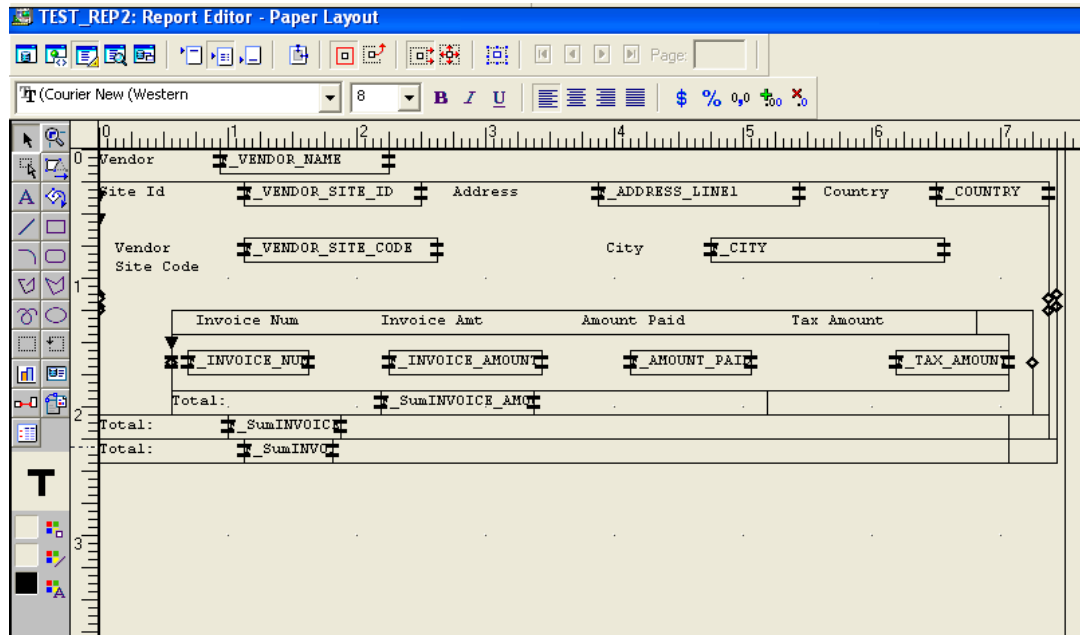
We can always go to ‘Report Wizard’ and modify a particular tab accordingly and generate the report locally. The datamodel for this case study will be as follows:



The paper layout is created as:



All the display changes to report are made at layout level. Modify the layout for report to display as desired.



- Go to Report Triggers. Include following text for user exits in 'Before Report' trigger.

```
SRW.USER_EXIT('FND SRWINIT');
```

- Go to Report Triggers. Include following text for user exits in 'After Report' trigger.

```
SRW.USER_EXIT('FND SRWEXIT');
```

The parameter 'P\_CONC\_REQUEST\_ID' and text added in Step 6 and Step 7 are specific to oracle apps.

- Save the .rdf and place on the server in respective application top. (e.g. \$CUST\_TOP/reports/us/TEST\_REP2.rdf)

## Task 2: Registering the Report in Oracle Apps

- Login to the 11i eBusiness Suite instance at the Instructor designated instance: (e.g., [http://es0144.oracle.com/OA\\_HTML/AppsLocalLogin.jsp](http://es0144.oracle.com/OA_HTML/AppsLocalLogin.jsp))
- Use the username sysadmin/sysadmin.

3. Go to System Administrator Responsibility
4. Go to Concurrent> Program> Executable.
5. Give the following values:

Executable : Any User defined Name(e.g. TEST\_INVOICE)

Short Name : Any User defined Name( e.g. TEST\_INVOICE)

Application Name: Where the .rdf file is located (e.g. 'Custom Development' here, as the rdf is kept in \$CUST\_TOP)

Execution Method :Oracle Reports (for reports)

Execution File : Actual Report Name i.e. placed on the server(e.g.-TEST\_REP2)

The screenshot shows the 'Concurrent Program Executable' form. The fields are filled with the following values:

Field	Value
Executable	TEST_INVOICE
Short Name	TEST_INVOICE
Application	Custom Development
Description	This is a Test report
Execution Method	Oracle Reports
Execution File Name	TEST_REP2
Subroutine Name	
Execution File Path	

At the bottom right, there is a button labeled 'Stage Function Parameters'.

Go to Application> Validation> Set. Create a value set as XX\_VENDOR of type table.

Value Set Name: XX\_VENDOR1  
Description: Test value set  
List Type: List of Values  
Security Type: No Security  
Format Type: Char  
Maximum Size: 60  
Precision:   
Numbers Only (0-9) ☐  
Uppercase Only (A-Z) ☐  
Right-justify and Zero-fill Numbers (0001) ☐  
Min Value:   
Max Value:   
Validation Type: Table  
Edit Information

Click on 'Edit Information'. Fill the following details and save.

Table Application: Payables  
Table Name: AP\_SUPPLIERS  
Allow Parent Values ☐  
Table Columns:  
Name Type Size  
Value VENDOR\_NAME Varchar2 60  
Meaning   
ID VENDOR\_ID Number 22  
Where/Order By   
Additional Columns   
Test

- Go to Concurrent>Program>Define. Create Concurrent program and attach Executable created in Step 5.

The screenshot shows the 'Concurrent Programs' window. The 'Program' field is set to 'XX: Vendor Site Invoices' and is checked as 'Enabled'. The 'Short Name' is 'XX\_VENDOR' and the 'Application' is 'Payables'. The 'Executable' section shows 'Name' as 'TEST\_INVOICE' and 'Method' as 'Oracle Reports'. The 'Request' section has 'Type', 'Incrementor', and 'MLS Function' fields. The 'Output' section shows 'Format' as 'PDF', 'Save' and 'Print' checkboxes are checked, 'Columns' and 'Rows' are empty, 'Style' is 'A4', and 'Printer' is empty. There are buttons for 'Copy to...', 'Session Control', 'Incompatibilities', and 'Parameters' at the bottom.

7. Go to 'Parameters' screen and add a new Parameter with valueset XX\_VENDOR attached as:

The screenshot shows the 'Concurrent Program Parameters' window. The 'Program' is 'XX: Vendor Site Invoices' and the 'Application' is 'Payables'. The 'Conflicts Domain' and 'Security Group' are empty. A table lists parameters:

Seq	Parameter	Description	Enabled
1	P_VENDOR_ID		<input checked="" type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

The 'Validation' section shows 'Value Set' as 'XX\_VENDOR1', 'Default Type' as 'Constant', 'Required' is checked, 'Enable Security' is unchecked, 'Description' is 'Test value set', 'Default Value' is '0', and 'Range' is empty. The 'Display' section shows 'Display Size' as 50, 'Concatenated Description Size' as 25, 'Description Size' as 50, and 'Prompt' as 'Vendor Name'. The 'Token' field at the bottom is 'P\_VENDOR\_ID'.

8. Go to Navigator>security >Responsibility>Request. Create Request Group, attach Concurrent Program created in Step 4
9. Go to System Administrator>Responsibility. Create Responsibility, attach
  - Request Group
  - Menu
  - Data Group
10. Create User, Attach Responsibility to the User
11. User will submit the request from SRS (Standard Request Submission) Window

Report Output:

Vendor Invoice details

Vendor    Beckmann,  
            Lisa

Site Id    4905                      Address    500 Madison Ave    Country US

Vendor    OFFICE                      City       New York

Site Code

Invoice Num	Invoice Amt	Amount Paid	Tax Amount
W23499	3432	3432	
W22629	2937	2937	
W22886	3338	3338	
W25509	3740	3740	
W25545	3814	3814	
W23789	3556	3556	
W23209	3326	3326	
W25563	3653	3653	



### Case 3

#### Master-Detail Report on Orders

10g Oracle Developer report manually with master-detail relationship and register the same in Oracle Apps Release 12

#### Task 1: Create a report

##### Requirement:

Requirement is to generate a master-detail report that for a particular order header will display the line information.

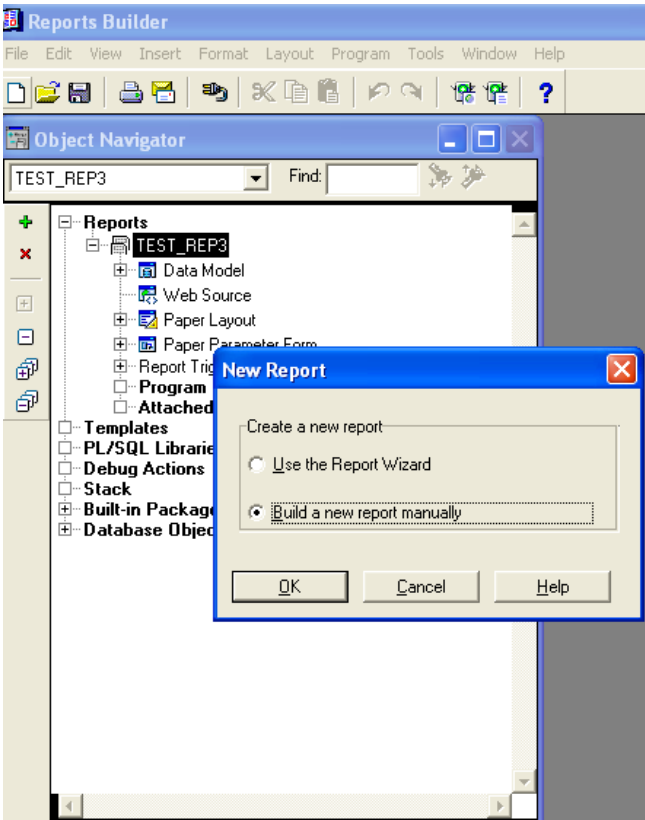
Your output should look similar to the following when the report is run from oracle applications:

##### Orders Master Detail Report

Order No. 14956	Ordered Date	19-JUL-04		
Line Id Line No.	Request Date	Ordered Qty	Unit Selling Price	
222045 1	16-DEC-04	35	1377.49	

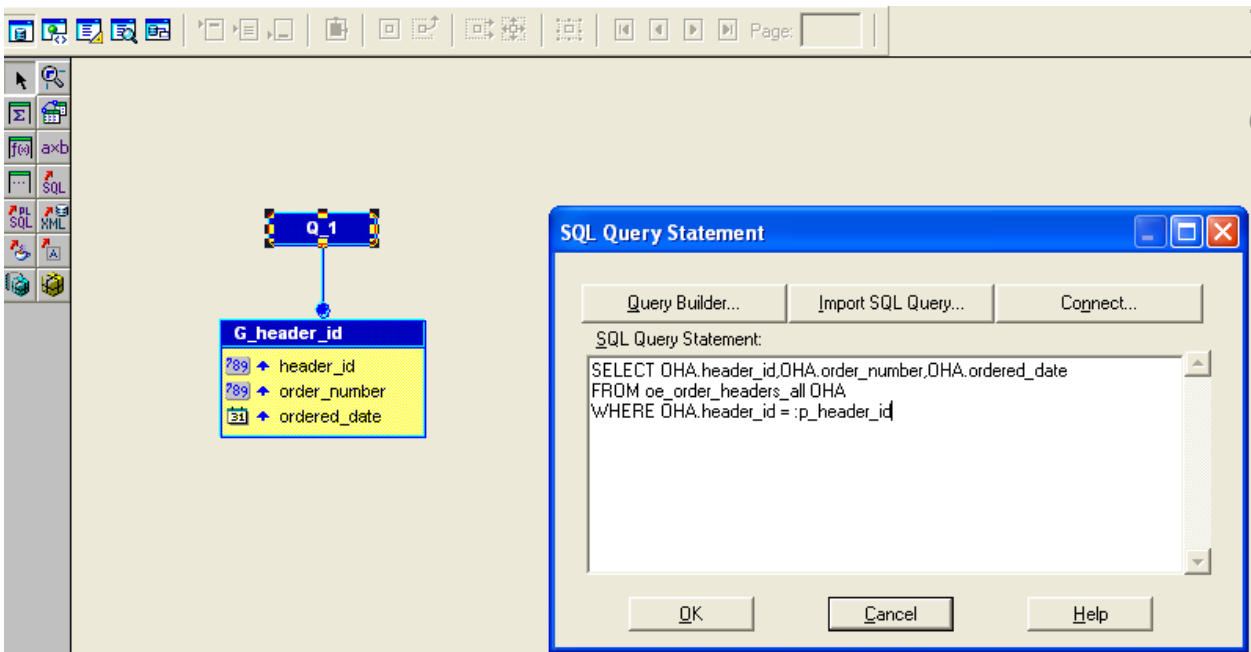
#### Steps involved: -

1. Open Reports Developer> Report builder. Create a new report (E.g.- TEST\_REP2.rdf) and select option as ' Build a new report Manually'

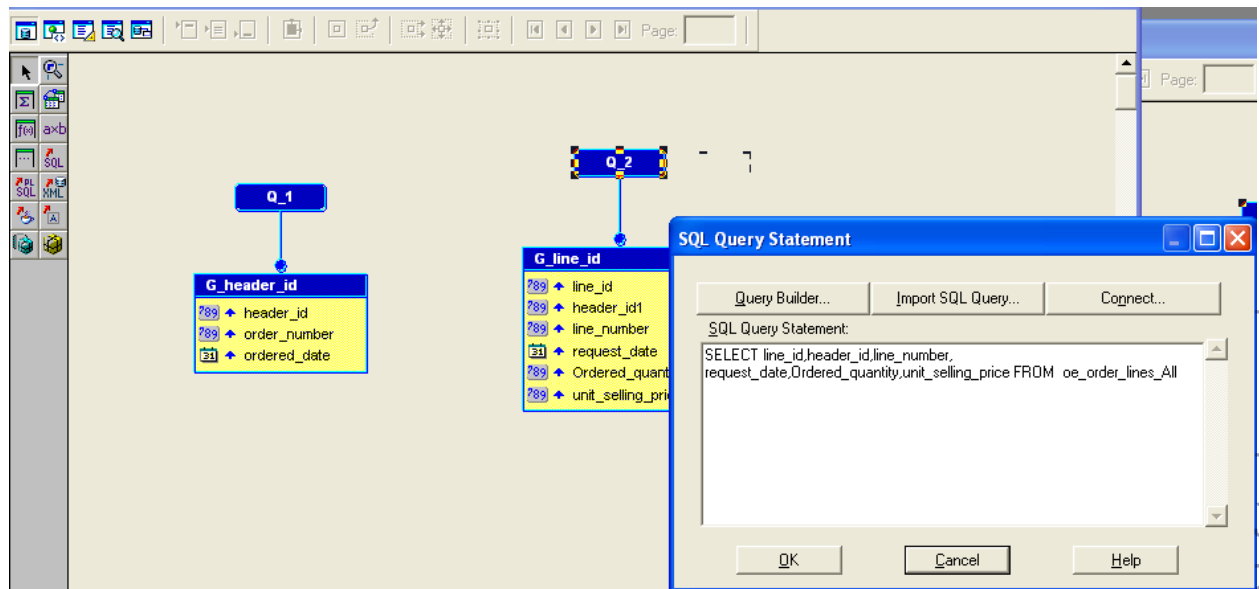


2. It takes us to the datamodel. Datamodel is the place where we specify the query model for the report. As it is a Master detail report, we will have 2 queries.

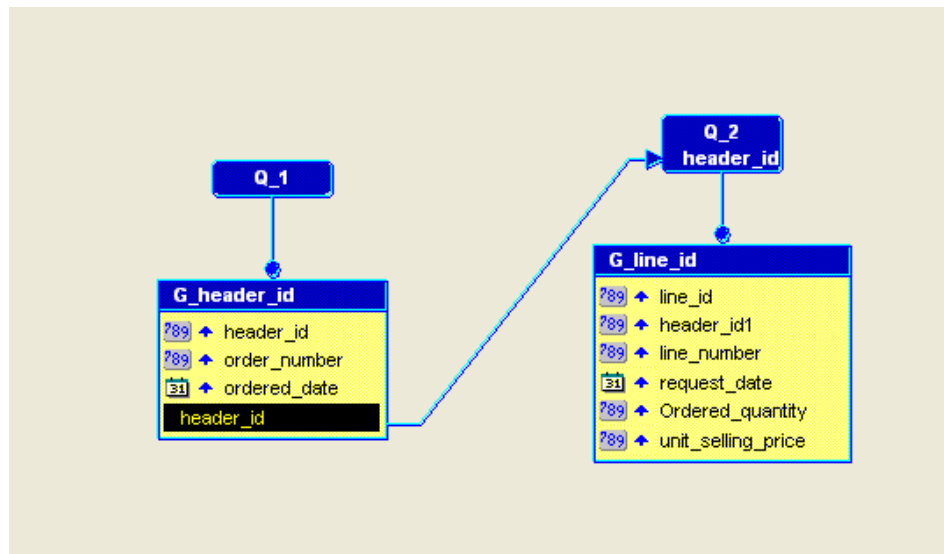
Select 'SQL' option and create a Query as:




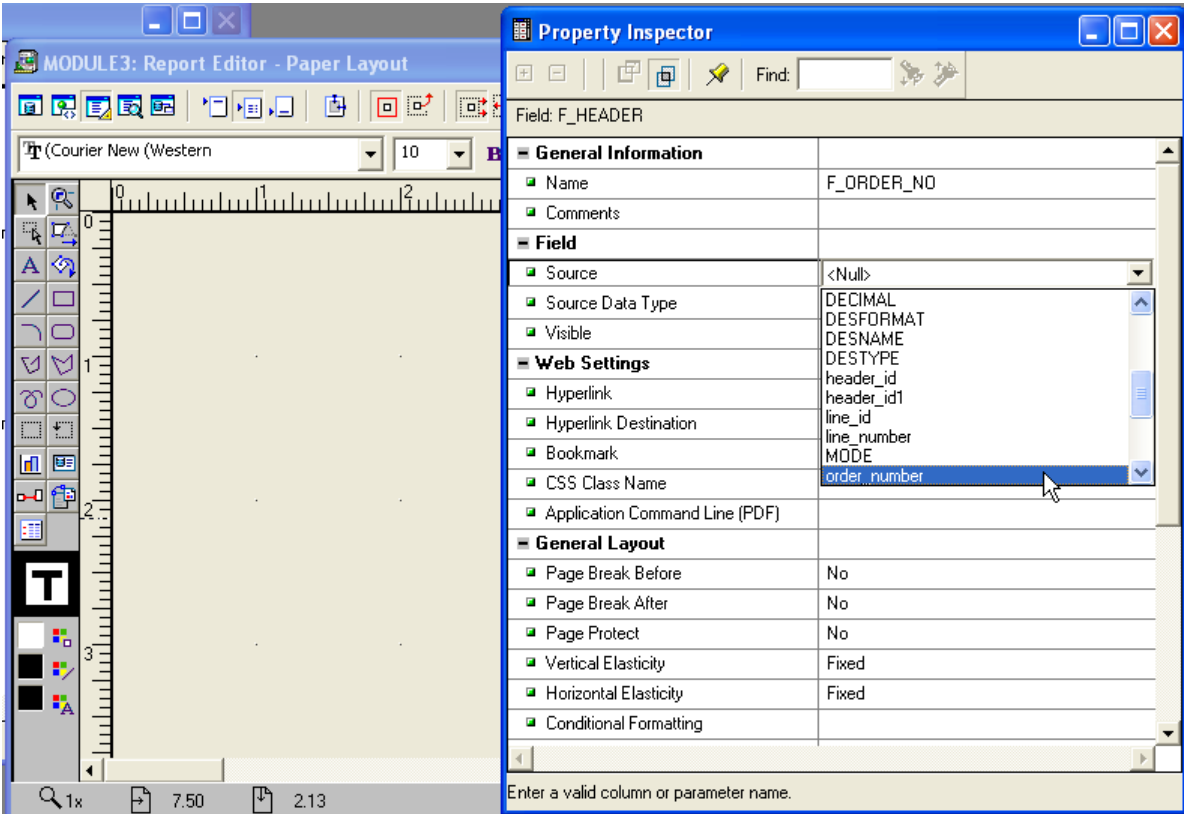
Where Q\_1 will be master Query. Select 'SQL' option again and create one new query, which will later be the Detail query as:



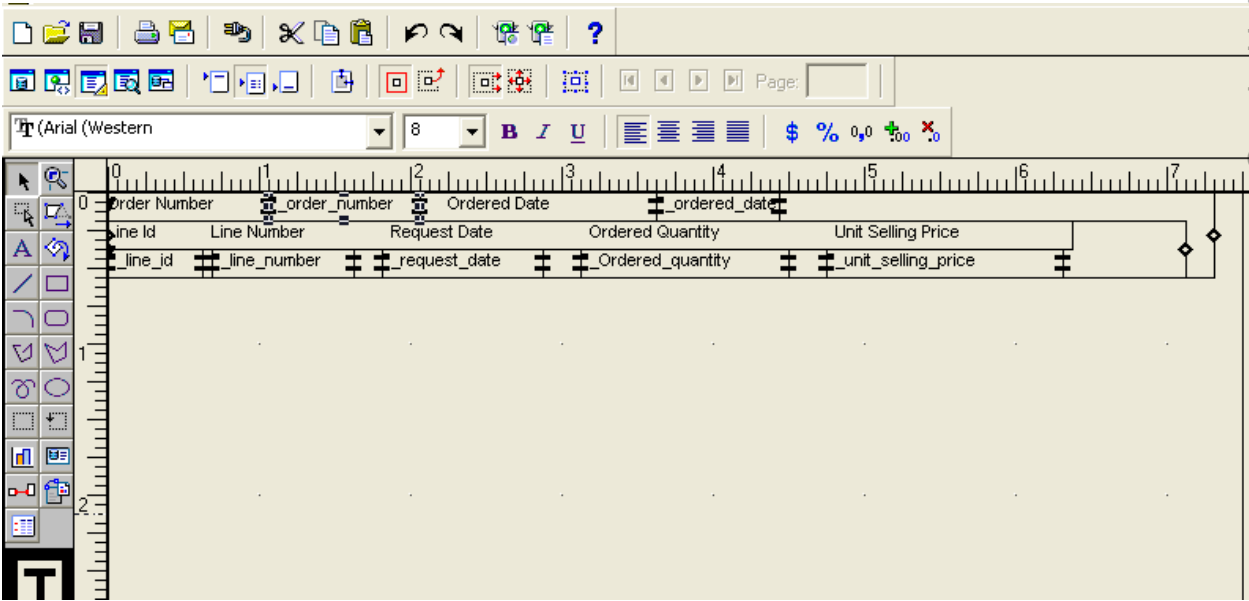
Join 'Header\_id' of Q\_1 with 'Header\_id1' of Q\_2 with a Datalink as:



- We have the data model ready now. We can build the report either using layout wizard or build it manually. Layout wizard is used the same way as covered in previous case studies. To build the report layout manually or to add fields, select  icon from tool and go to properties of the field. Change source to appropriate field to be displayed. To add repeating values (for details block), put them in repeating frames. For more details please refer to oracle reports developer 10g guide.



4. All the display changes to report are made at layout level. Modify the layout for report to display output as desired.



5. Go to Report Triggers. Include following text for user exits in 'Before Report' trigger.

SRW.USER\_EXIT('FND SRWINIT');

6. Go to Report Triggers. Include following text for user exits in 'After Report' trigger.  
SRW.USER\_EXIT('FND SRWEXIT');
7. Save the .rdf and place on the server in respective application top. (e.g. \$CUST\_TOP/reports/US/TEST\_REP3.rdf)

## Task 2: Registering the Report in Oracle Apps

1. Login to the 11i eBusiness Suite instance at the Instructor designated instance:  
(e.g., [http://es0144.oracle.com/OA\\_HTML/AppsLocalLogin.jsp](http://es0144.oracle.com/OA_HTML/AppsLocalLogin.jsp))
2. Use the username sysadmin/sysadmin.
3. Go to System Administrator Responsibility
4. Go to Concurrent> Program> Executable.
5. Give the following values:

Executable : Any User defined Name(e.g. TEST\_REP3)

Short Name : Any User defined Name( e.g. TEST\_REP3)

Application Name: Where the .rdf file is located (e.g. 'Custom Development' here, as the rdf is kept in \$CUST\_TOP)

Execution Method :Oracle Reports (for reports)

Execution File : Actual Report Name i.e. placed on the server(e.g.-TEST\_REP3.rdf )

6. Go to Concurrent>Program>Define. Create Concurrent program and attach Executable created in Step 5.
7. Go to Navigator>security >Responsibility>Request. Create Request Group, attach Concurrent Program created in Step 4
8. Go to System Administrator>Responsibility. Create Responsibility, attach
  - Request Group
  - Menu
  - Data Group
9. Create User, Attach Responsibility to the User
10. User will submit the request from SRS (Standard Request Submission) Window

Report Output:

## Orders Master Detail Report

Order No.	14956	Ordered Date	19-JUL-04	
Line Id	Line No.	Request Date	Ordered Qty	Unit Selling Price
222045	1	16-DEC-04	35	1377.49

---

## Case 4

### Matrix Report to Display Sum of Invoices for Each OU and Year

In this lab, you will create a matrix 10g Oracle Developer report and register the same in Oracle Apps Release 12.

#### Task 1: Create a Report

##### Requirement:

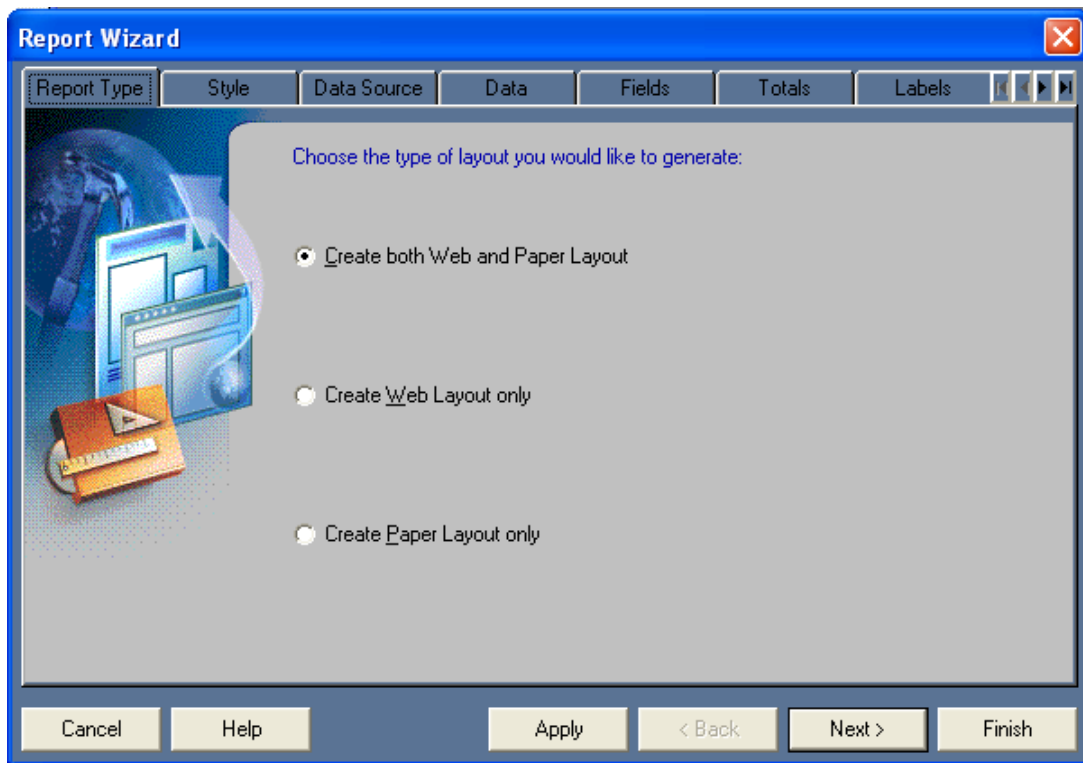
Requirement is to generate a Matrix report that displays Sum of all the Invoices of a particular supplier for each operating unit and for each year.

Your output should look similar to the following when the report is run from oracle applications:

##### Vendor Total Invoices for each OU and for each Year

Year	2004	2005
O U	Inv. Amount	Inv. Amount
Vision	386567	29584
Operations		

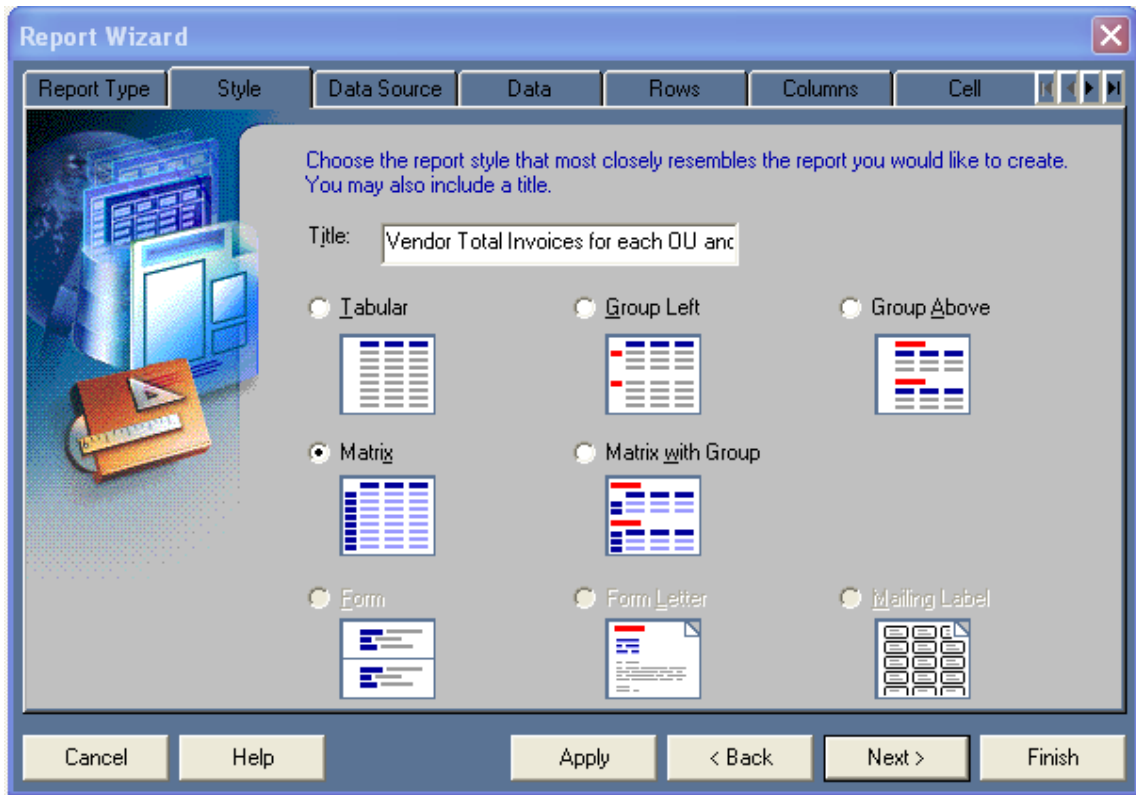
1. Open Reports Developer> Report builder. Create a new report(E.g.- TEST\_REP4.rdf)
2. Go to Tools>Report Wizard.



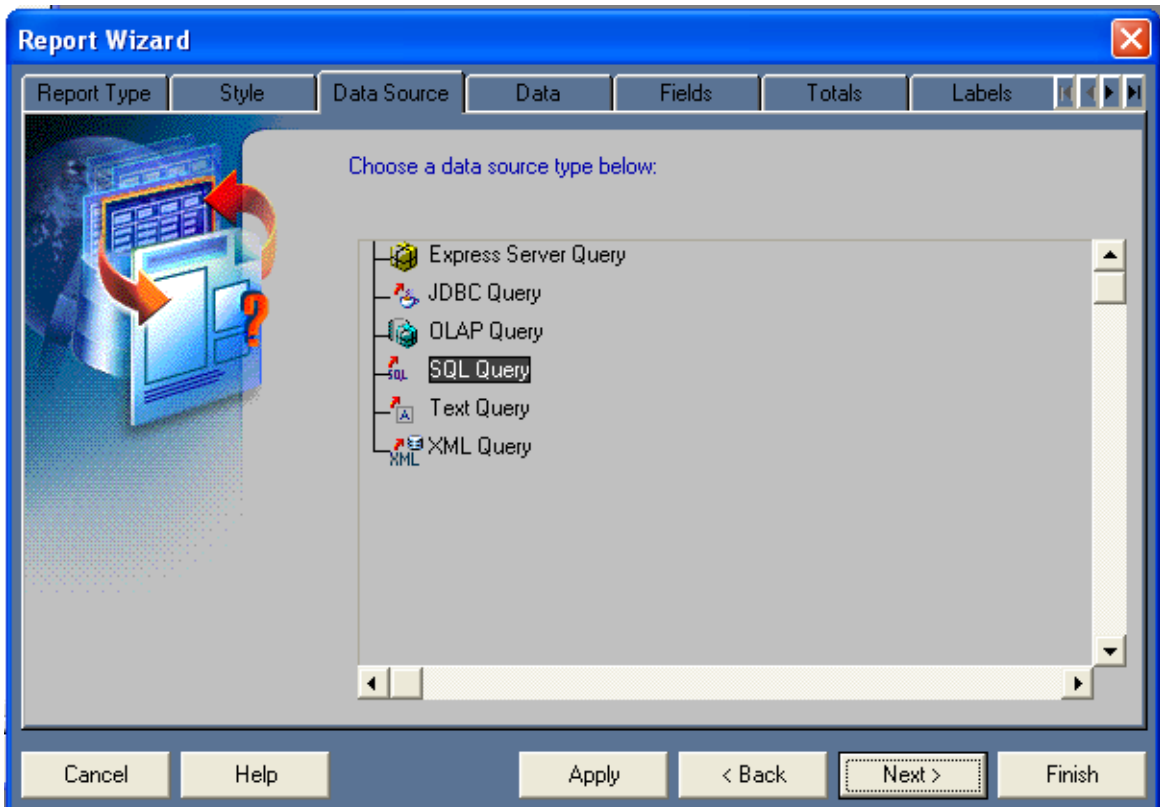
Select the layout for oracle report. Click 'Next'.

3. Next tab selects the layout type for report.





Give a suitable title for the report and select the report style as Matrix.

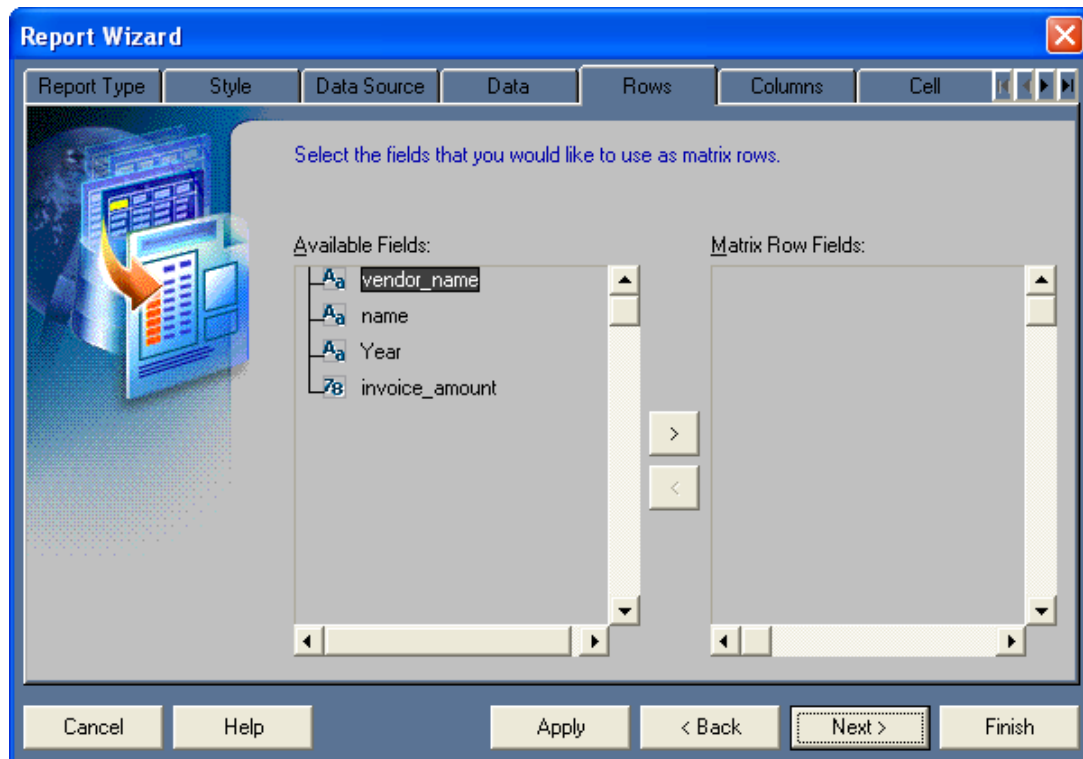




Select the datasource as Query. Click 'Next'.

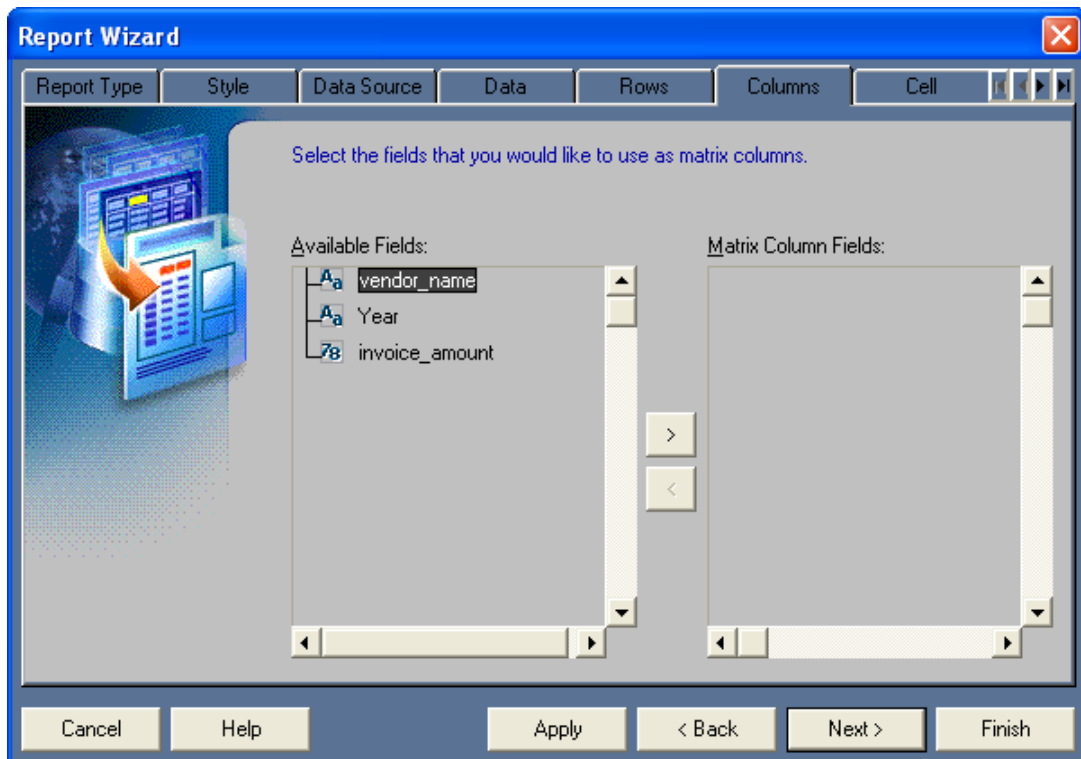
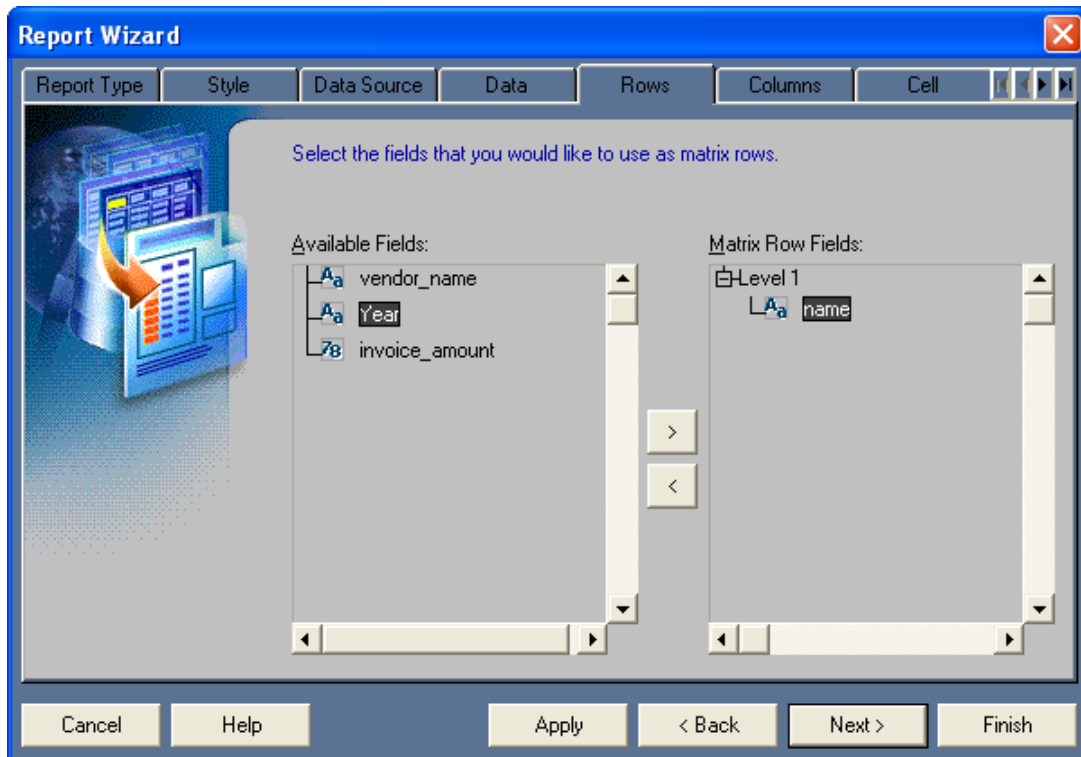
Use the following query and Click 'Next':



```
SELECT AS1.vendor_name
      ,HAOU.name
      ,TO_CHAR(AIA.invoice_date,'RRRR') Year
      ,AIA.invoice_amount
FROM   ap_invoices_all AIA
      ,hr_all_organization_units HAOU
      ,ap_suppliers AS1
WHERE  AIA.org_id   = HAOU.organization_id
AND    AIA.vendor_id = AS1.vendor_id
AND    AIA.vendor_id = :p_vendor_id
```

Next screen will display all the columns returned by the Query.

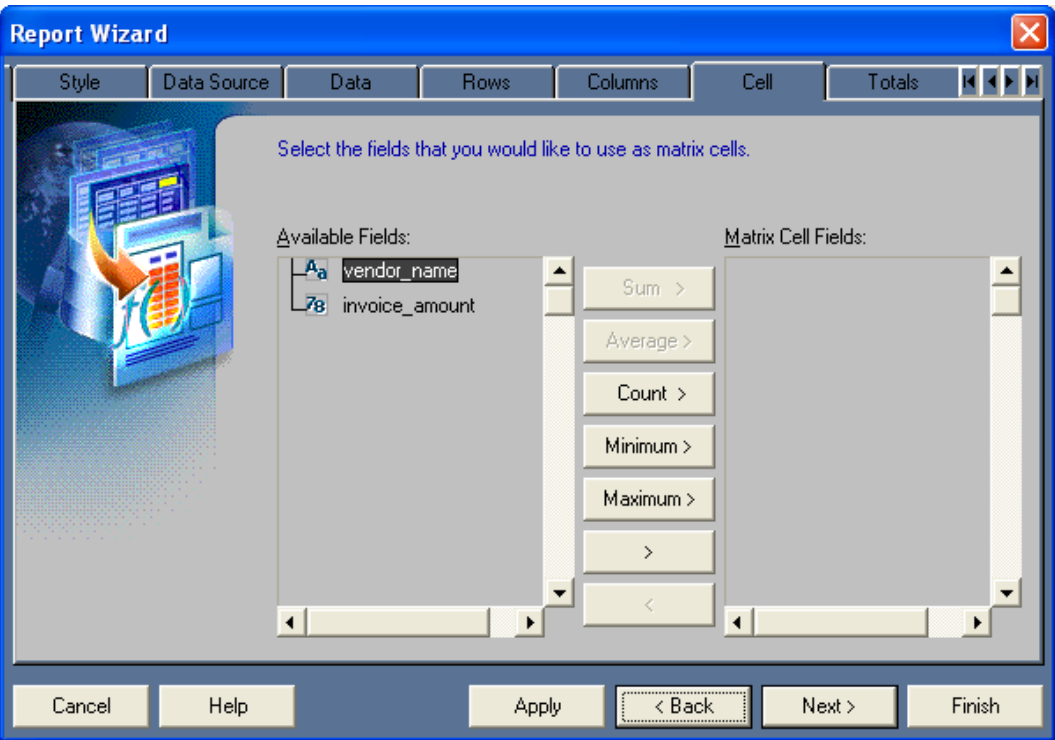
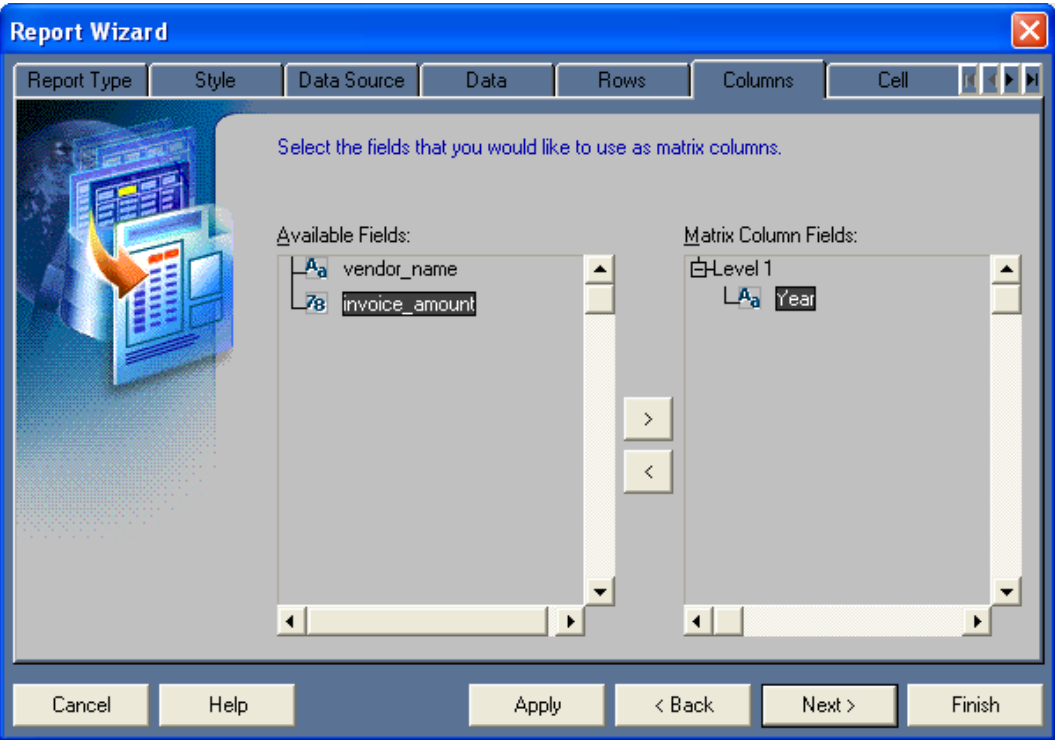




The 'Matrix Row Fields' area shows the columns that will be displayed as the Row in the Matrix report. Click on the   arrows to move columns to and from Matrix Row Fields. Select the following columns based on requirement. Click 'Next'

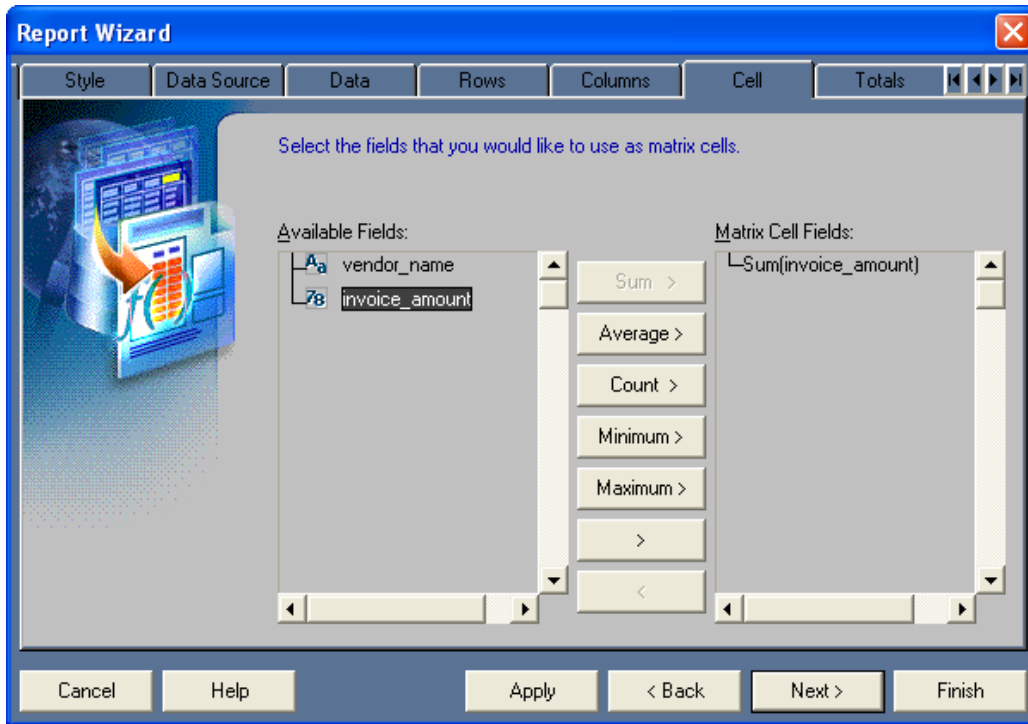



The 'Matrix Column Fields' area shows the columns that will be displayed as the Column in the Matrix report. Click on the   arrows to move columns to and

from Matrix Column Fields. Select the following columns based on requirement. Click 'Next'

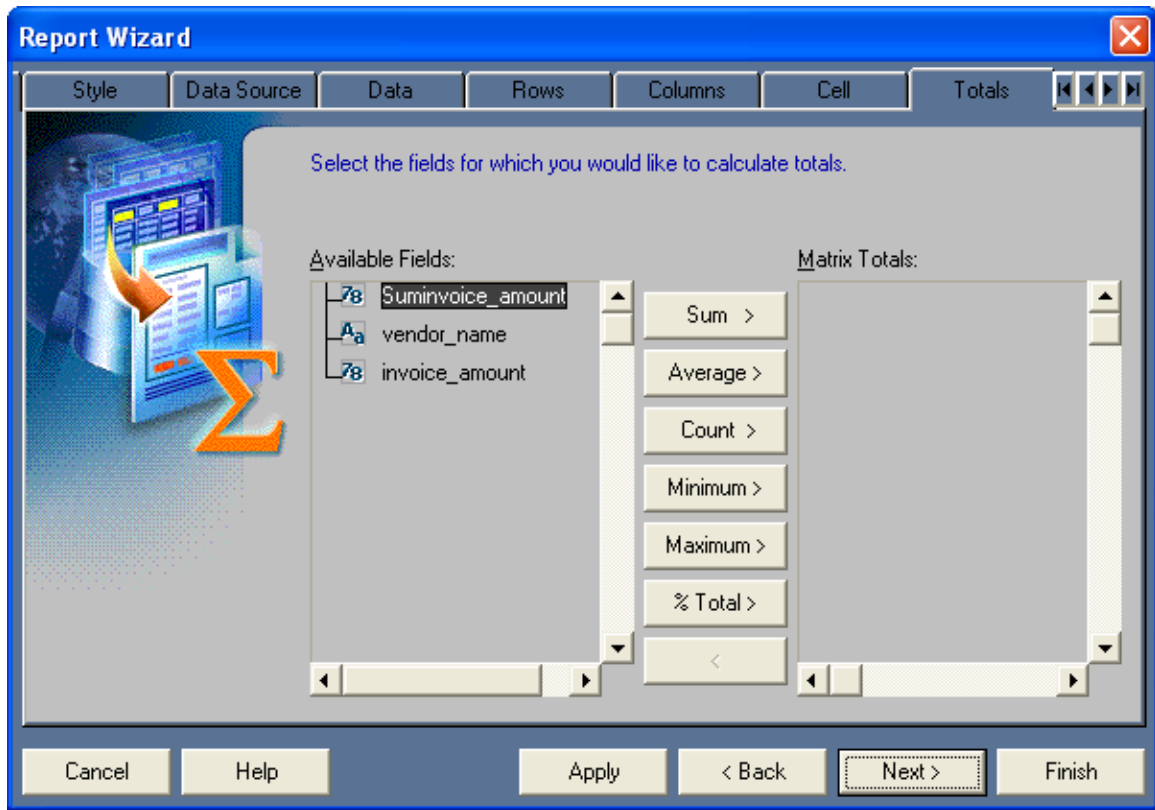


The 'Matrix Cell Fields' area shows the columns that will be displayed as the Cells in the Matrix report. Click on the   arrows to move columns to and from Matrix Cell Fields. Select the following columns based on requirement. Click 'Next'

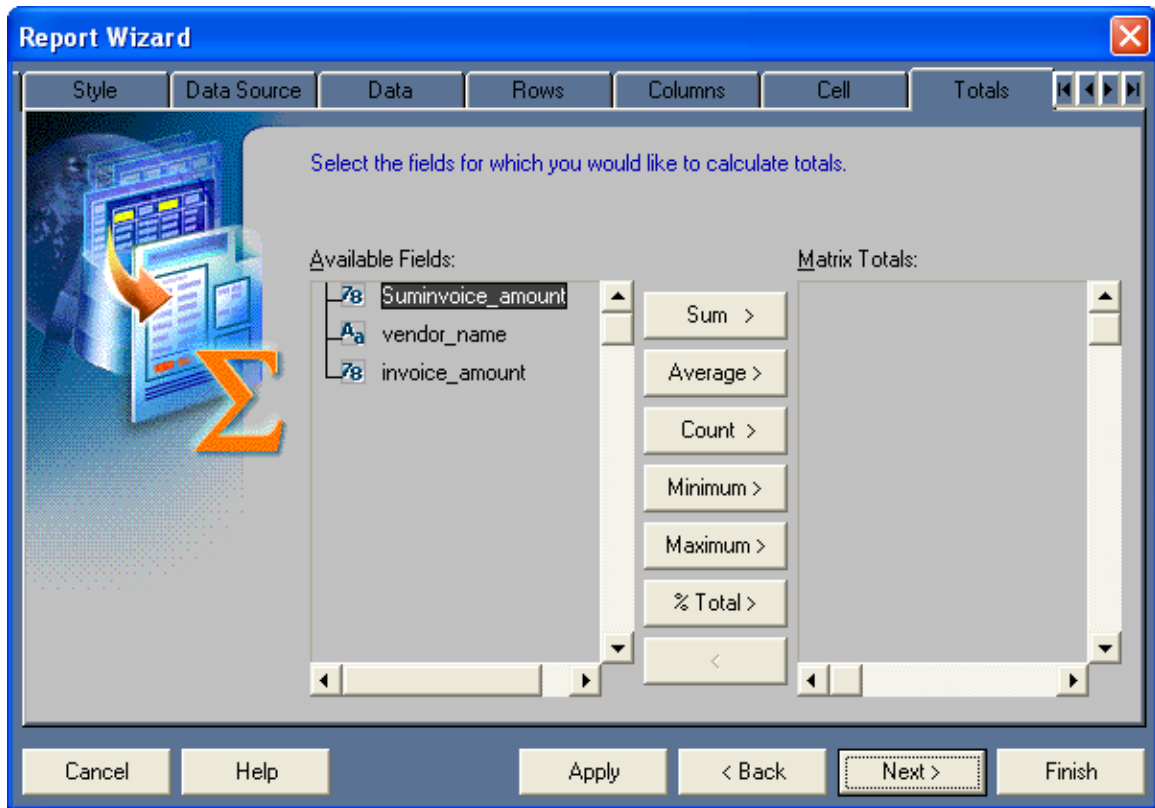


As per the requirement, we need to display the sum of all Invoices, so we select the invoice\_amount column and press .

4. Next screen displays the Total columns that can be included in the Matrix report. We are not including any Totals for this report. Click 'Next'

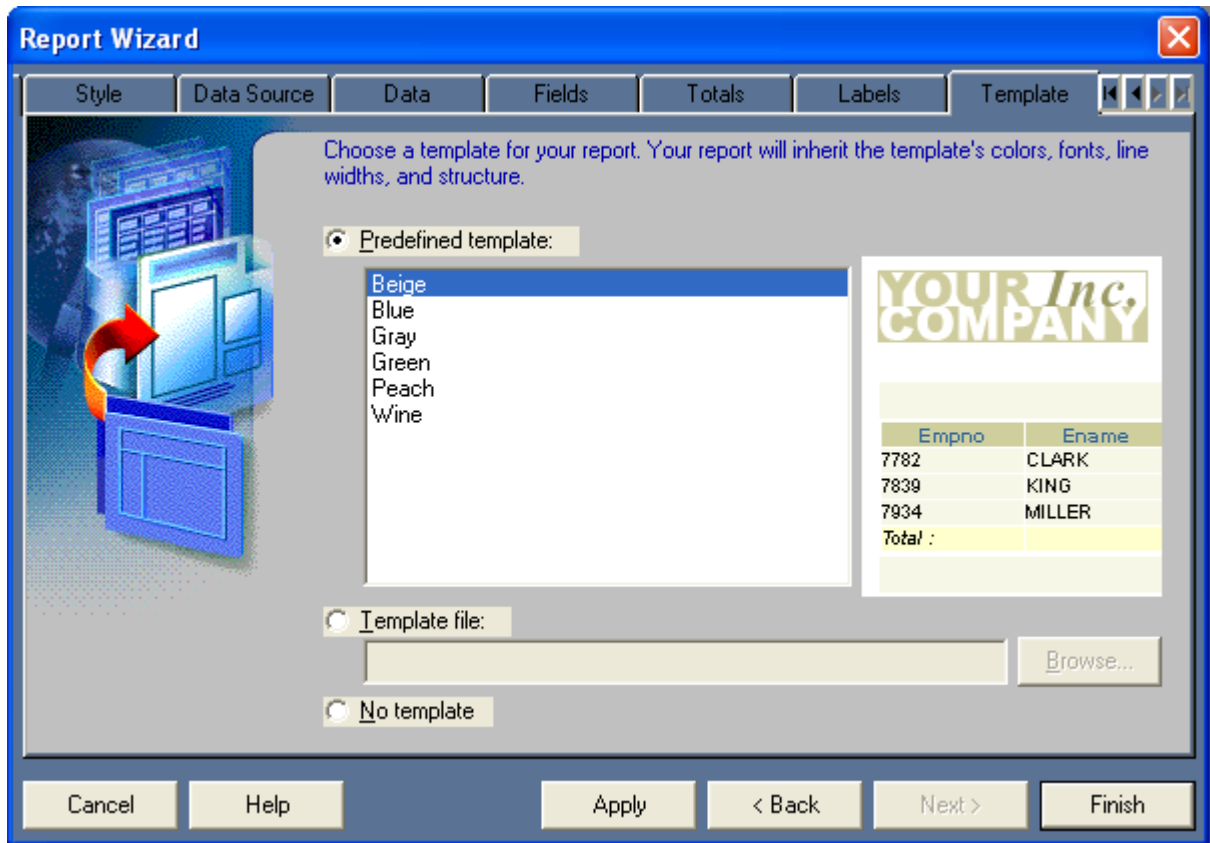


5. Next screen displays the Field width assigned to each column in the layout. We can also change the column label to be displayed.



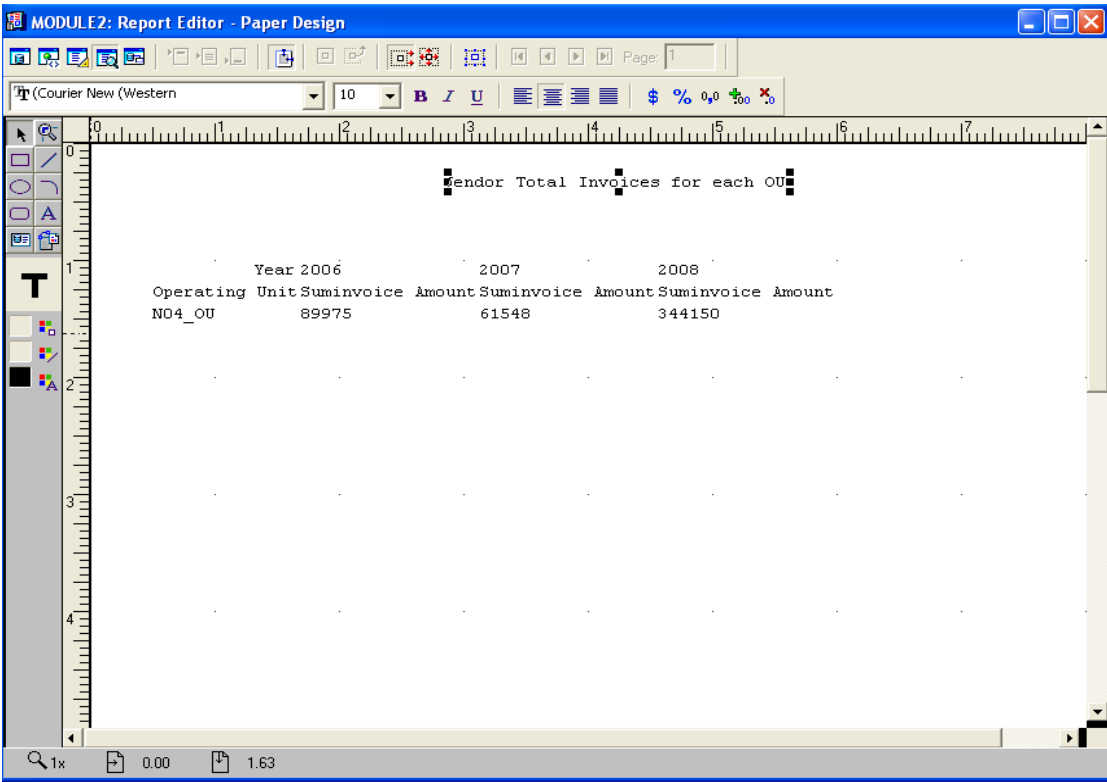
6. Next screen gives choice to choose the theme for the report to be displayed. Select as 'No template'. Click 'Finish'.



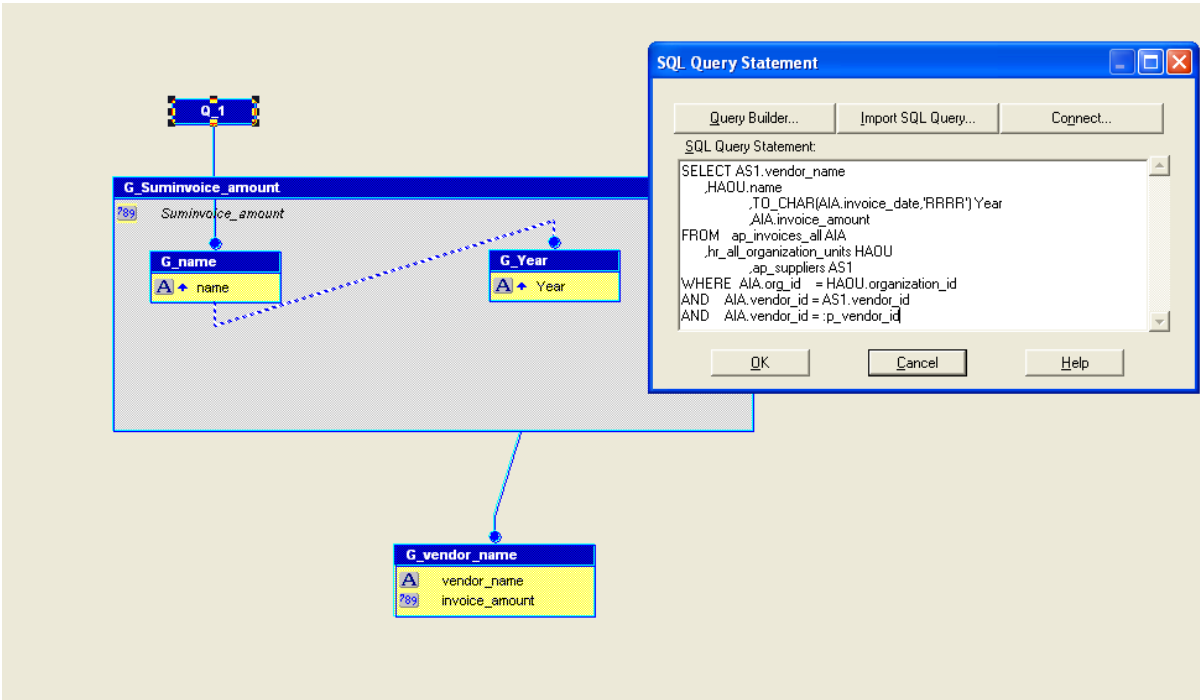


On click of 'Finish' Button, report editor opens and displays the paper design of how the report will be displayed.

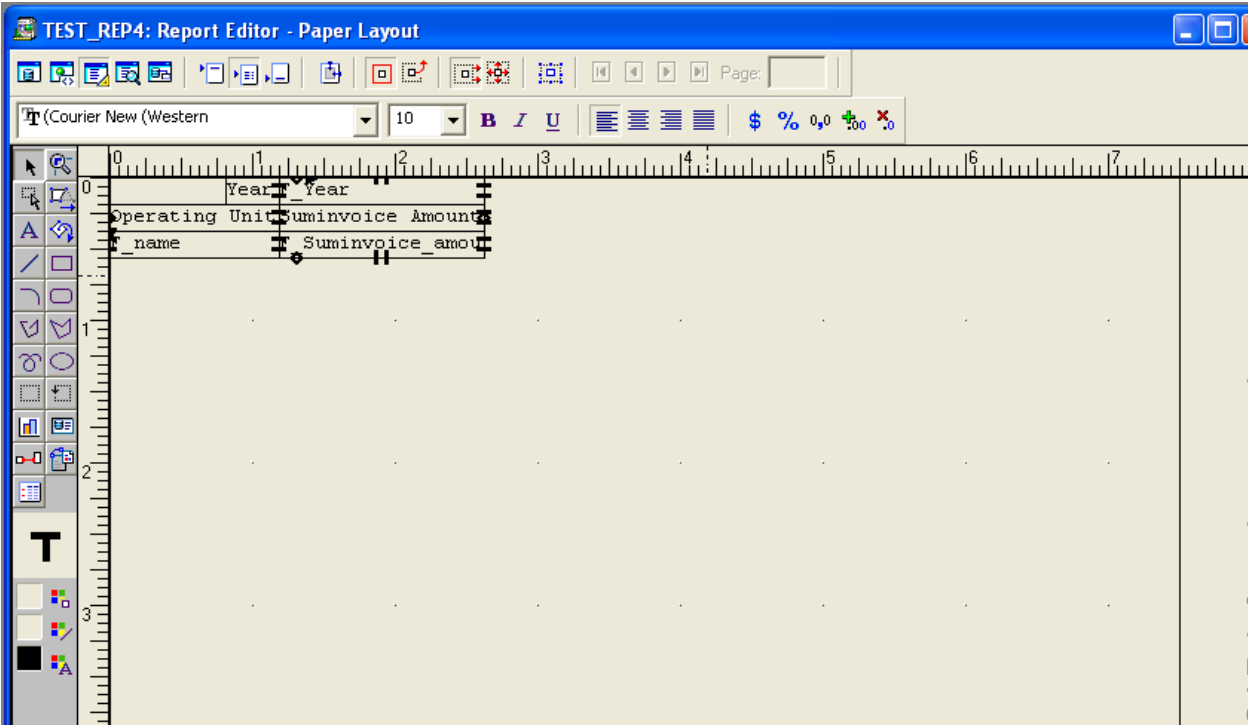




We can always go to 'Report Wizard' and modify a particular tab accordingly. In the figure, Q\_1 signifies the query

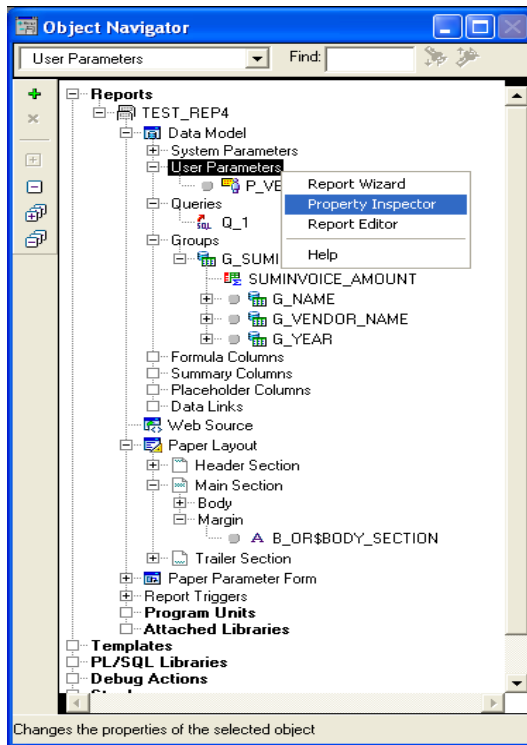


The paper layout is created as:



All the display changes to report are made at layout level.

7. Go to Data Model>User Parameters.



Include a new user parameter P\_CONC\_REQUEST\_ID with following details:

Name: P\_CONC\_REQUEST\_ID  
 Datatype: Number  
 Width: 15  
 Initial Value: 0

The concurrent manager passes the concurrent request ID to your report using this parameter.

8. Go to Report Triggers. Include following text for user exits in 'Before Report' trigger.  
 SRW.USER\_EXIT('FND SRWINIT');

This user exit sets up information for use by profile options and other AOL features.

9. Go to Report Triggers. Include following text for user exits in 'After Report' trigger.  
 SRW.USER\_EXIT('FND SRWEXIT');

This user exit frees all the memory allocation done in other AOL exits.

10. Save the .rdf and place on the server in respective application top. (e.g. \$CUST\_TOP/reports/us/TEST\_REP4.rdf)

## Task 2: Registering the Report in Oracle Apps

1. Login to the 11i eBusiness Suite instance at the Instructor designated instance:  
(e.g., [http://es0144.oracle.com/OA\\_HTML/AppsLocalLogin.jsp](http://es0144.oracle.com/OA_HTML/AppsLocalLogin.jsp))
2. Use the username sysadmin/sysadmin.
3. Go to System Administrator Responsibility
4. Go to Concurrent> Program> Executable.
5. Give the following values:  
  
 Executable : Any User defined Name(e.g. TESTREP4)  
 Short Name : Any User defined Name( e.g. TESTREP4)  
 Application Name: Where the .rdf file is located (e.g. Payables here, as the rdf is kept in \$CUST\_TOP)  
 Execution Method :Oracle Reports (for reports)  
 Execution File : Actual Report Name i.e. placed on the server(e.g.-TEST\_REP4.rdf )
6. Go to Concurrent>Program>Define. Create Concurrent program and attach Executable created in Step 5.
7. Go to Navigator>security >Responsibility>Request. Create Request Group, attach Concurrent Program created in Step 4
8. Go to System Administrator>Responsibility. Create Responsibility, attach
  - Request Group
  - Menu
  - Data Group
9. Create User, Attach Responsibility to the User
10. User will submit the request from SRS (Standard Request Submission) Window

Report Output:

Vendor Total Invoices for each OU and for each Year

Year	2004	2005
O U	Inv. Amount	Inv. Amount
Vision	386567	29584
Operations		



## Case 5

### Standard GL Report Customization

In this case study, you will customize a standard Oracle Applications R12 Report and register the same in Oracle Apps Release 12.

#### Task 1: Customize report

##### Requirement:

Requirement is to customize the Standard 'Currency - Daily Conversion Rates Listing' that displays Daily Conversion rates between two currencies for a particular period. The standard report takes the period name, From Currency and To Currency as Input parameters as shown below-

The screenshot shows two overlapping dialog boxes from the Oracle Applications R12 interface. The background dialog is 'Submit Request', which has fields for 'Name' (Currency - Daily Conversion Rates Listing), 'Operating Unit', 'Parameters' (Mar-09.USD.EUR.), and 'Language' (American English). It also has sections for 'At these Times...' (Run the Job: As Soon as Possible) and 'Upon Completion...' (Save all Output File: checked). The foreground dialog is 'Parameters', which has fields for 'Period' (Mar-09), 'From Currency' (USD), 'To Currency' (EUR), and 'Conversion Rate Type'. It includes 'OK', 'Cancel', 'Clear', and 'Help' buttons.

The Output of the Standard Report before modification is as given in following figure.

Daily Conversion Rates Listing  
For Period: Mar-09Report Date: 19-MAR-2009 12:12  
Page: 1 of 2From Currency: USD  
To Currency: EUR

Rate Type	Date	USD to EUR	EUR to USD
Corporate	01-MAR-09	.782	1.2787723785166240409207
Corporate	02-MAR-09	.782	1.2787723785166240409207
Corporate	03-MAR-09	.782	1.2787723785166240409207
Corporate	04-MAR-09	.782	1.2787723785166240409207
Corporate	05-MAR-09	.782	1.2787723785166240409207
Corporate	06-MAR-09	.782	1.2787723785166240409207
Corporate	07-MAR-09	.782	1.2787723785166240409207
Corporate	08-MAR-09	.782	1.2787723785166240409207
Corporate	09-MAR-09	.782	1.2787723785166240409207
Corporate	10-MAR-09	.782	1.2787723785166240409207
Corporate	11-MAR-09	.782	1.2787723785166240409207
Corporate	12-MAR-09	.782	1.2787723785166240409207
Corporate	13-MAR-09	.782	1.2787723785166240409207
Corporate	14-MAR-09	.782	1.2787723785166240409207
Corporate	15-MAR-09	.782	1.2787723785166240409207
Corporate	16-MAR-09	.782	1.2787723785166240409207
Corporate	17-MAR-09	.782	1.2787723785166240409207
Corporate	18-MAR-09	.782	1.2787723785166240409207
Corporate	19-MAR-09	.782	1.2787723785166240409207
Corporate	20-MAR-09	.782	1.2787723785166240409207
Corporate	21-MAR-09	.782	1.2787723785166240409207
Corporate	22-MAR-09	.782	1.2787723785166240409207

In this case study, we need to modify the standard report so that we can see Daily Conversion Rates for USD with other currencies for the day on which the report is run.

This requires following changes-

- From Currency is fixed to 'USD'
- Conversion Date is fixed to SYSDATE

The customized report when run from oracle applications shows output as:

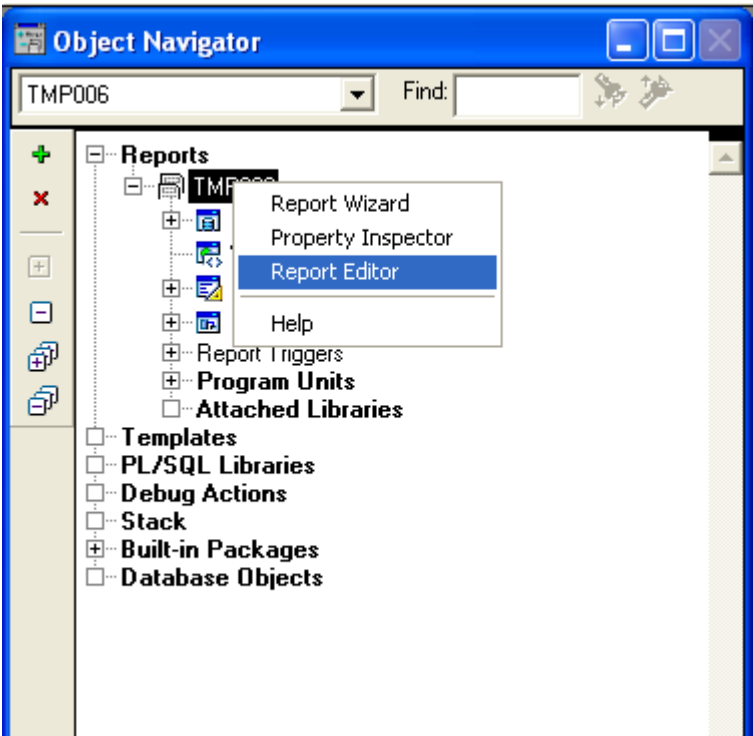
## Daily Conversion Rates Listing

Report Date: 19-MAR-2009 11:57  
Page: 1 of 1

From Currency	To Currency	Rate Type	Date	Conversion Rate	Inverse Conversion Rate
USD	EUR	Corporate	19-MAR-09	.782	1.2787723785166240409207
USD	THB	Corporate	19-MAR-09	39.984006397441023590564	.02501
USD	TWD	Corporate	19-MAR-09	31.34961	.03189832345601747517752
USD	CNY	Corporate	19-MAR-09	8.2665123584359758617839	.12097
USD	TWD	Reporting	19-MAR-09	31.34111	.03190697457747986590137
USD	EUR	Reporting	19-MAR-09	.763	1.3106159895150720838794
USD	THB	Reporting	19-MAR-09	38.461538461538461538462	.026
USD	CNY	Reporting	19-MAR-09	8.2644628099173553719008	.121

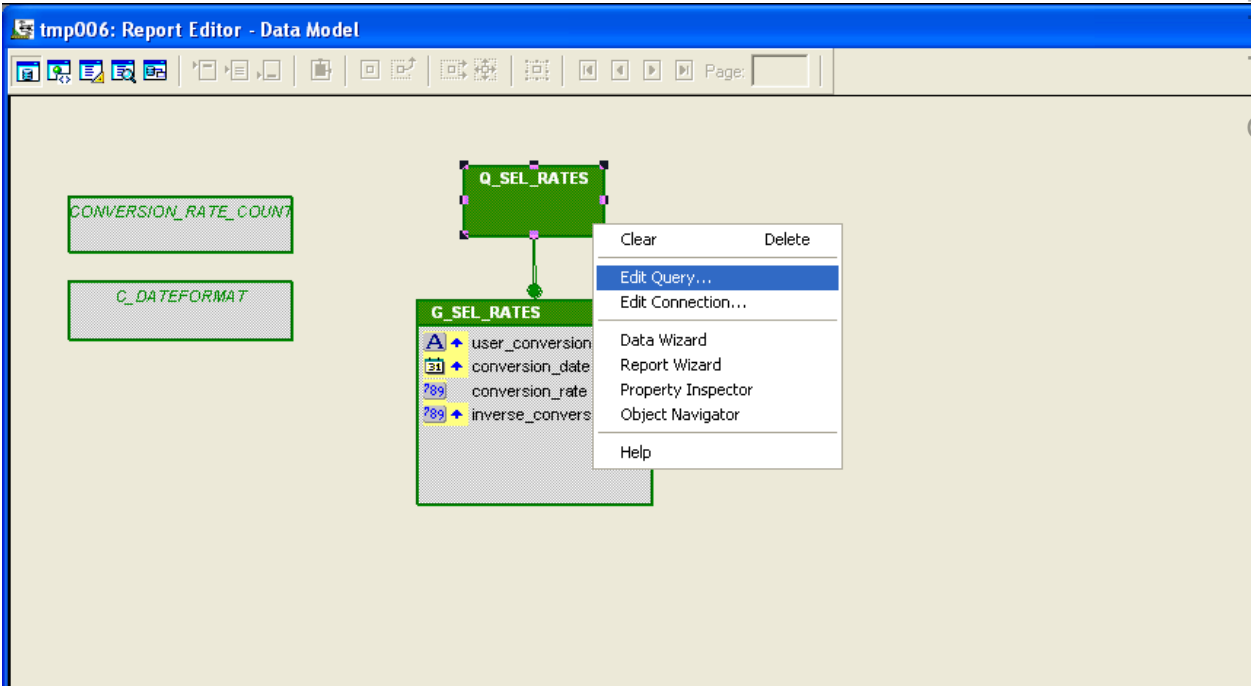
### Steps to customize standard Report:

1. Download the standard "GL Daily Rates Report", (GLXRDRTS.rdf) from the instance. The report can be found under \$GL\_TOP/reports/US
2. Open Reports Developer> Report builder. Open the standard Report
3. Go to Tools>Report Wizard.



Select 'Report Editor'.

4. Now it opens the Data Model Window, Right click on the Q\_SEL\_RATES, and choose Edit Query, to modify the existing standard Query.





A Window opens with the following Query-

```
SELECT ct.user_conversion_type ,
       r.conversion_date ,
       r.conversion_rate,
       r2.conversion_rate inverse_conversion_rate
FROM   gl_daily_rates r,
       gl_daily_rates r2,
       gl_daily_conversion_types ct,
       gl_periods p
WHERE  r.from_currency = :P_FROM_CURRENCY
AND    r.to_currency = :P_TO_CURRENCY
AND    r.conversion_date BETWEEN p.start_date AND p.end_date
AND    r.conversion_type = ct.conversion_type
AND    r2.from_currency = r.to_currency
AND    r2.to_currency = r.from_currency
AND    r2.conversion_date = r.conversion_date
AND    r2.conversion_type = r.conversion_type
AND    p.period_set_name = :P_PERIOD_SET_NAME
AND    p.period_name = :P_PERIOD
AND    ct.conversion_type = nvl(:P_CONVERSION_TYPE, ct.conversion_type)
AND    decode(ct.security_flag, 'Y', decode(fnd_data_security.check_function(1.0,
'GL_DAS_RATE_TYPES_V', 'GL_DAS_RATE_TYPES', ct.conversion_type, null,
null, null, null, fnd_global.user_name), 'T', 'Y', 'N'), 'Y') = 'Y'
ORDER BY ct.user_conversion_type, r.conversion_date
```

As our requirement is to fix the 'From Currency' to USD, 'Date' to SYSDATE and to run the report for all Conversion Types, We modify the existing Query as follows-

```
SELECT    r.from_currency,
          r.to_currency,
          ct.user_conversion_type ,
          r.conversion_date ,
          r.conversion_rate,
          r2.conversion_rate inverse_conversion_rate
FROM      gl_daily_rates r,
          gl_daily_rates r2,
          gl_daily_conversion_types ct
WHERE
          r.from_currency = 'USD'
AND       r.conversion_date = TRUNC(SYSDATE)
AND       r.conversion_type = ct.conversion_type
AND       r2.from_currency = r.to_currency
AND       r2.to_currency = r.from_currency
```

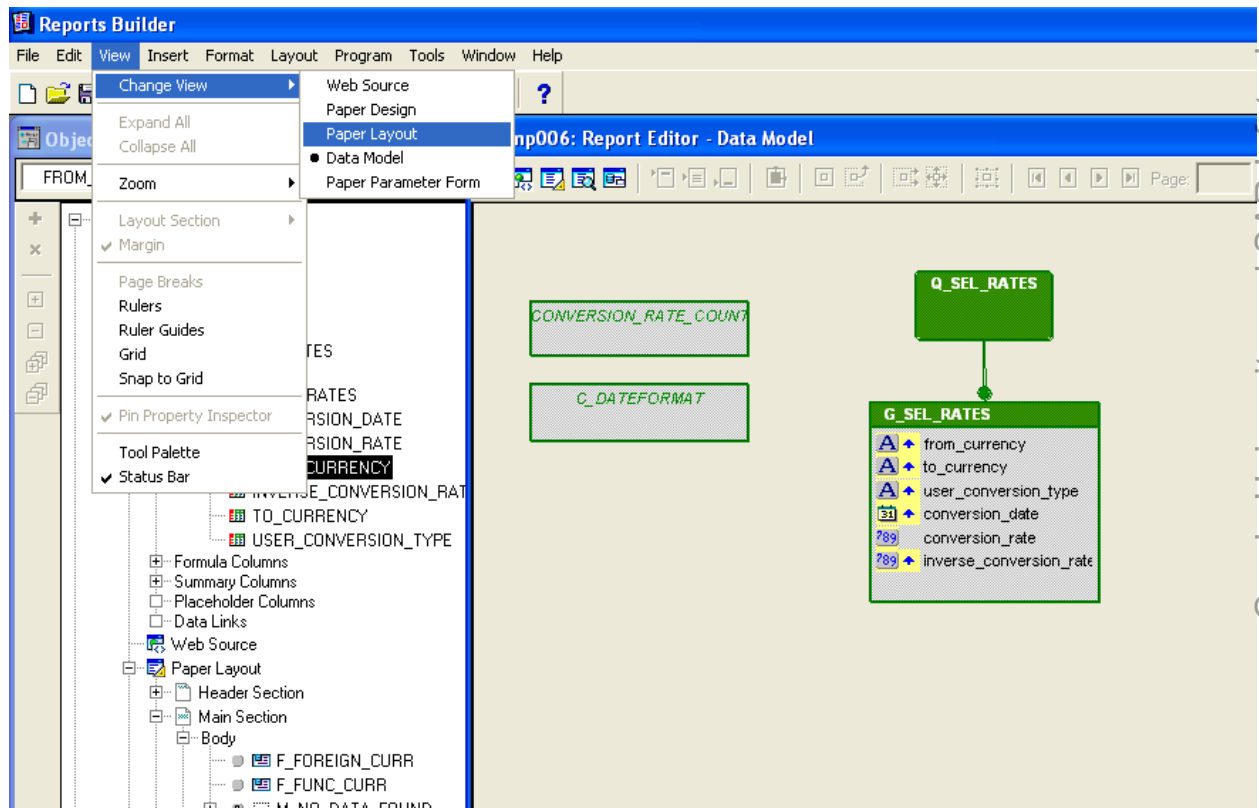
```

AND      r2.conversion_date = r.conversion_date
AND      r2.conversion_type = r.conversion_type
AND      decode(ct.security_flag, 'Y', decode(fnd_data_security.check_function(1.0,
'GL_DAS_RATE_TYPES_V', 'GL_DAS_RATE_TYPES', ct.conversion_type, null,
null, null, null, fnd_global.user_name), 'T', 'Y', 'N'), 'Y') = 'Y'
ORDER BY ct.user_conversion_type, r.conversion_date

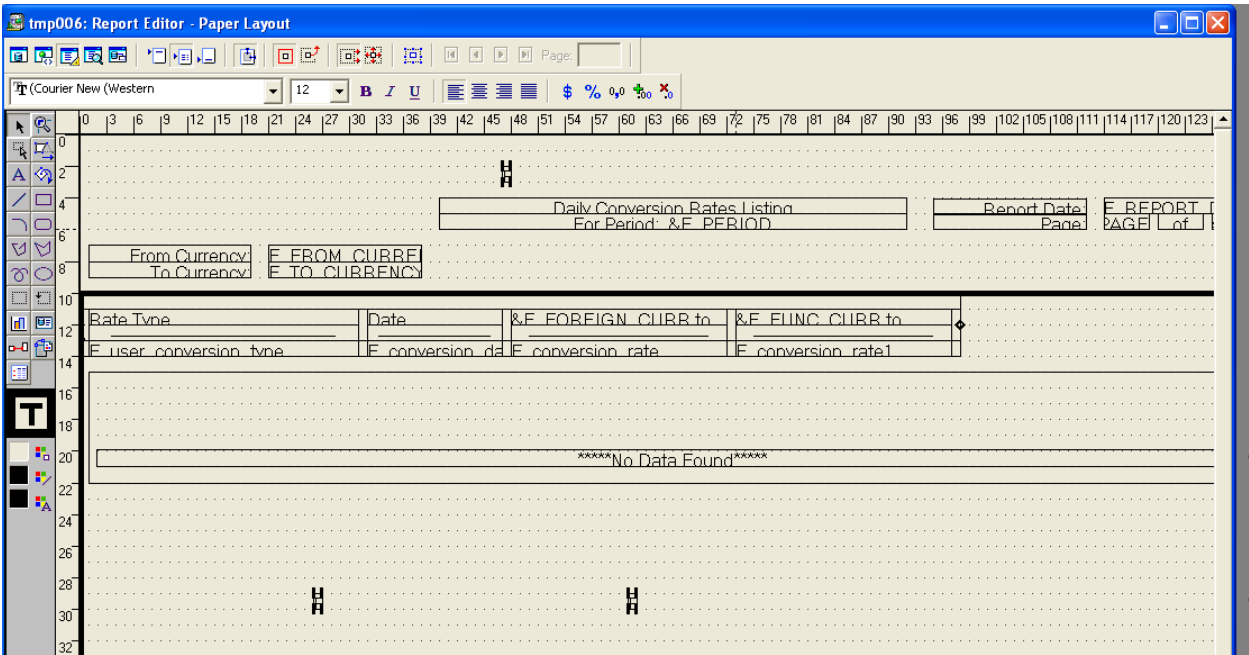
```

In the above query 2 New columns From Currency and To Currency have been added, The From currency is fixed to 'USD', and since we require the rates only for SYSDATE, the join with the GL\_PERIODS has been completely removed, and conversion date has been fixed to SYSDATE.

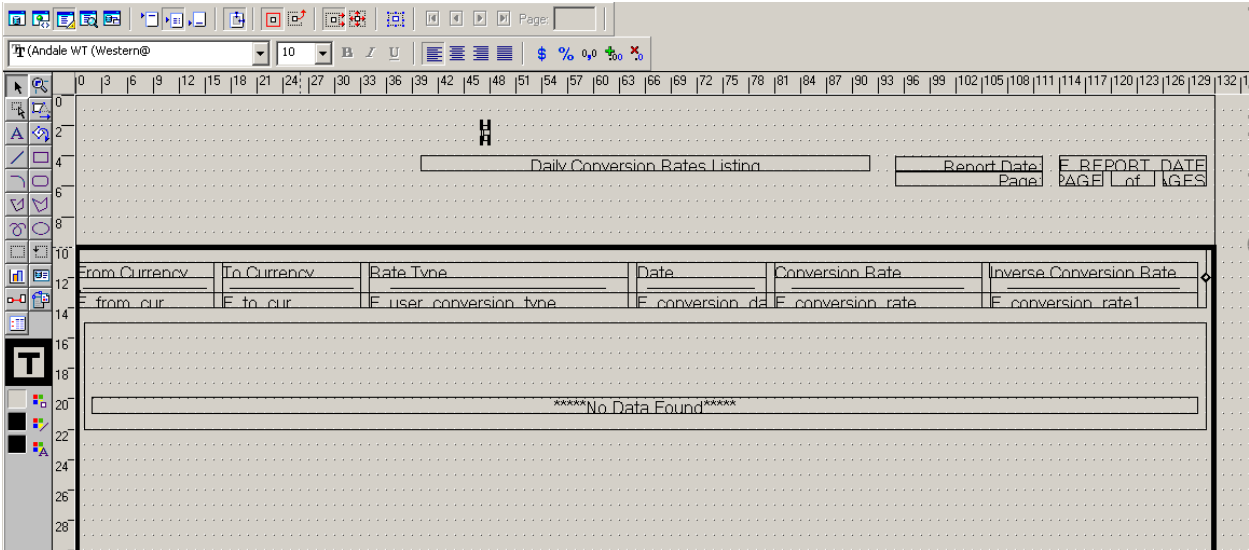
- Now go to the Layout of the report by clicking on View -> Change View -> Paper Layout



The Paper Layout of the Report is opened as shown below:



We need to remove the unnecessary sections like Period, from currency and To currency. Also add From Currency and To currency in the repeating Frame, as we have to show all possible conversions from USD to other currency for SYDATE, so To Currency will change for each row. After modification, the layout will look similar to following screen-



- As it is a standard report, the parameters 'P\_CONC\_REQUEST\_ID' and User Exits are already included in the report. The other parameters being passed earlier are not needed as per the requirement.

7. Save the .rdf prefixed with 'XX' as a standard report when customized should be renamed according to custom naming convention. Place on the server in respective application top. (e.g. \$CUST\_TOP/reports/us/XXGLXRDRTS.rdf)

## **Task 2: Registering the Report in Oracle Apps**

1. Login to the 11i eBusiness Suite instance at the Instructor designated instance: (e.g., [http://es0144.oracle.com/OA\\_HTML/AppsLocalLogin.jsp](http://es0144.oracle.com/OA_HTML/AppsLocalLogin.jsp))
2. Use the username sysadmin/sysadmin.
3. Go to System Administrator Responsibility
4. Go to Concurrent> Program> Executable.
5. Give the following values:

Executable : Any User defined Name(e.g. XXGLXRDRTS)

Short Name : Any User defined Name( e.g. XXGLXRDRTS)

Application Name: Where the .rdf file is located (e.g. 'Custom Development' here, as the rdf is kept in \$CUST\_TOP)

Execution Method :Oracle Reports (for reports)

Execution File : Actual Report Name i.e. placed on the server(e.g.- XXGLXRDRTS.rdf)

6. Go to Concurrent>Program>Define. Create Concurrent program and attach Executable created in Step 5.
7. Go to Navigator>security >Responsibility>Request. Create Request Group, attach Concurrent Program created in Step 4
8. Go to System Administrator>Responsibility. Create Responsibility, attach
  - Request Group
  - Menu
  - Data Group
9. Create User, Attach Responsibility to the User
10. User will submit the request from SRS (Standard Request Submission) Window

Report Output:

Daily Conversion Rates Listing

Report Date: 19-MAR-2009 11:57  
Page: 1 of 1

From Currency	To Currency	Rate Type	Date	Conversion Rate	Inverse Conversion Rate
USD	EUR	Corporate	19-MAR-09	.782	1.2787723785166240409207
USD	THB	Corporate	19-MAR-09	39.984006397441023590564	.02501
USD	TWD	Corporate	19-MAR-09	31.34961	.03189832345601747517752
USD	CNY	Corporate	19-MAR-09	8.2665123584359758617839	.12097
USD	TWD	Reporting	19-MAR-09	31.34111	.03190697457747986590137
USD	EUR	Reporting	19-MAR-09	.763	1.3106159895150720838794
USD	THB	Reporting	19-MAR-09	38.461538461538461538462	.026
USD	CNY	Reporting	19-MAR-09	8.2644628099173553719008	.121

