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:

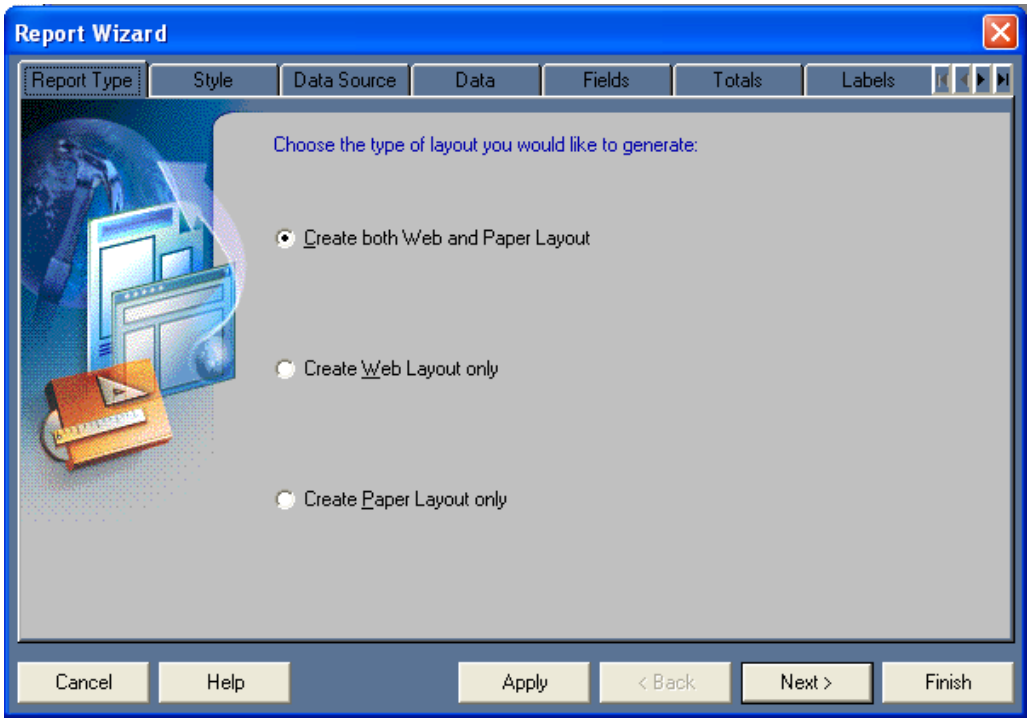
Requirement is to generate a report that displays information about all the suppliers who are employees and are currently active in the system.

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

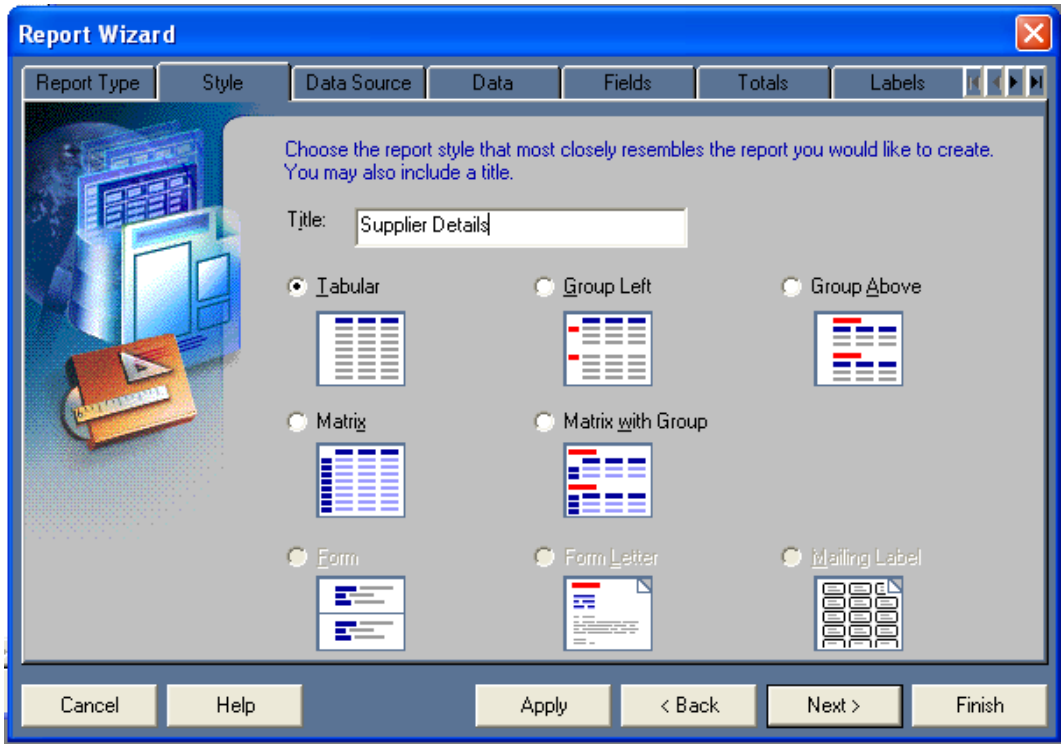
Steps involved: -

1. Open Reports Developer→ Report builder. Create a new report (e.g.- TEST_REP1.rdf)

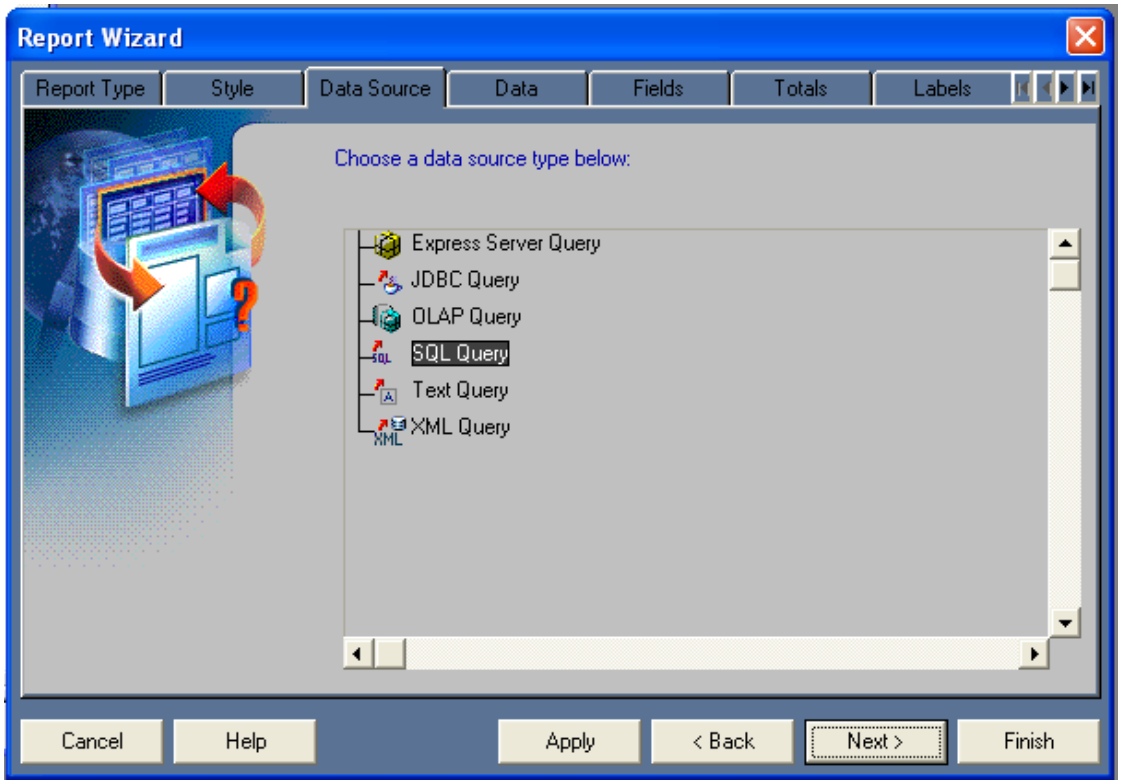
2. Go to Tools>Report Wizard.



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.

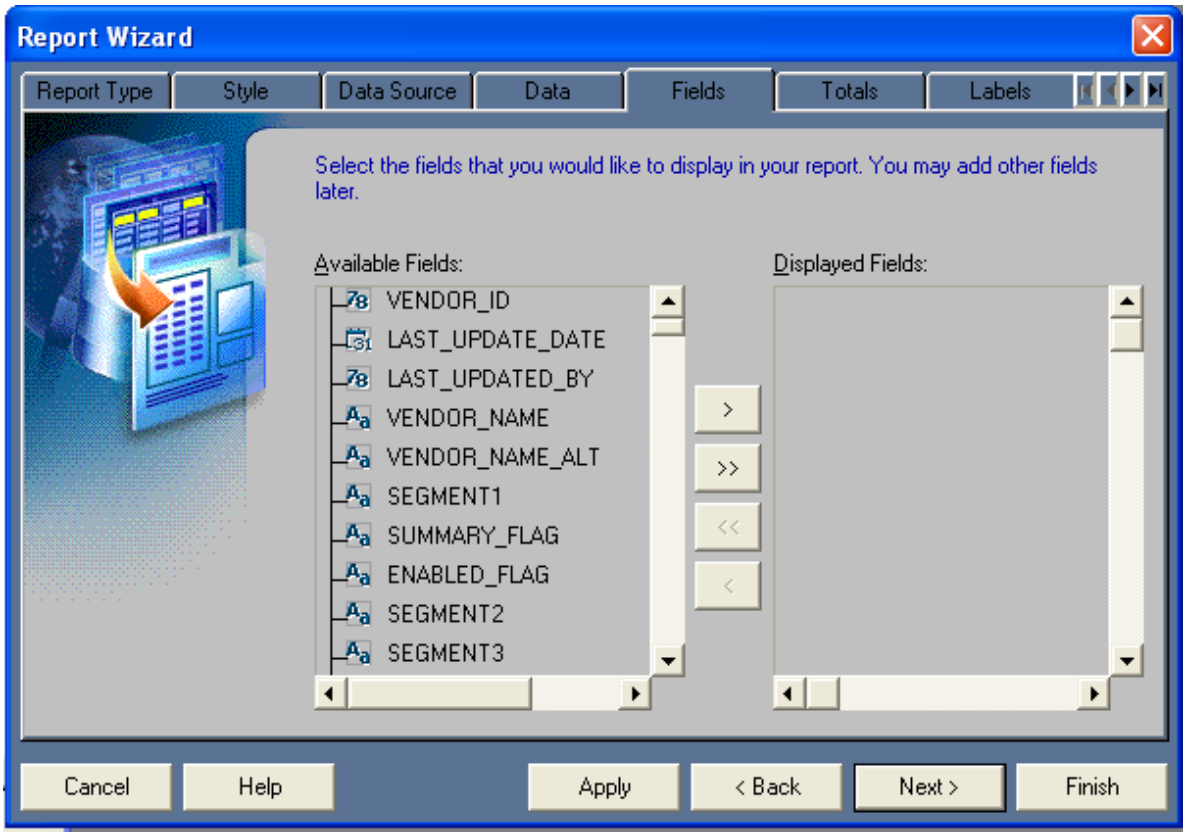


Select the datasource as Query. Click ‘Next’.

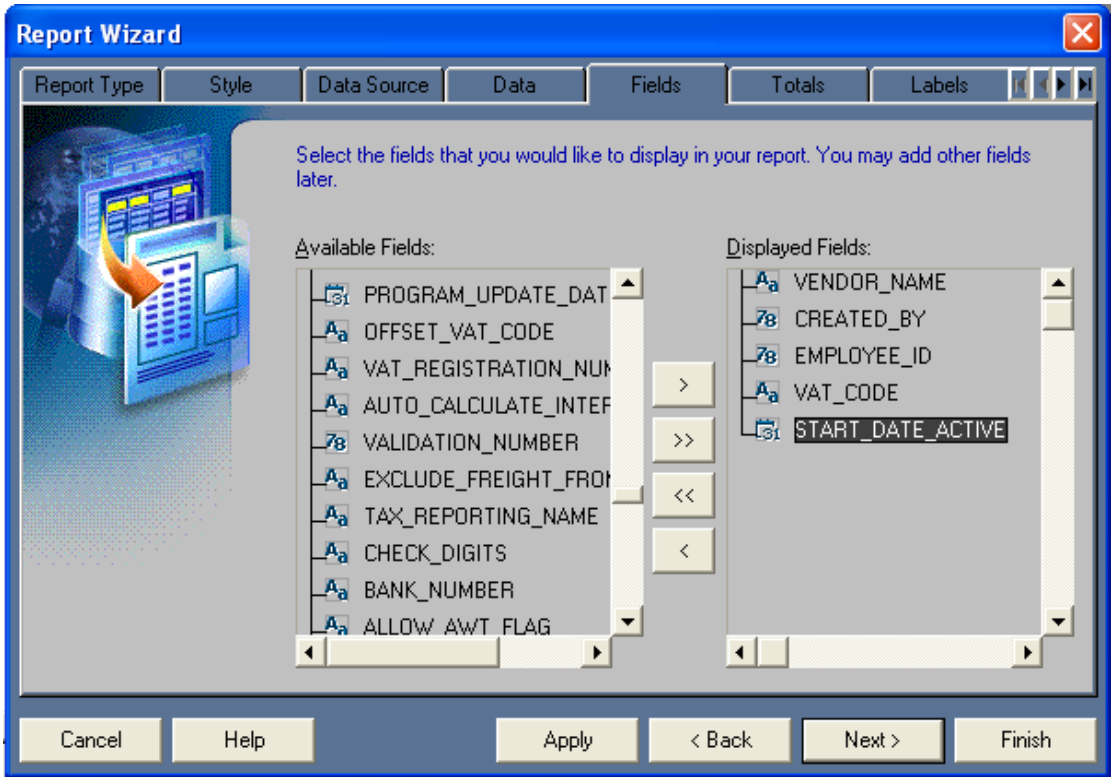
Use the following query and Click 'Next':

```
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
```

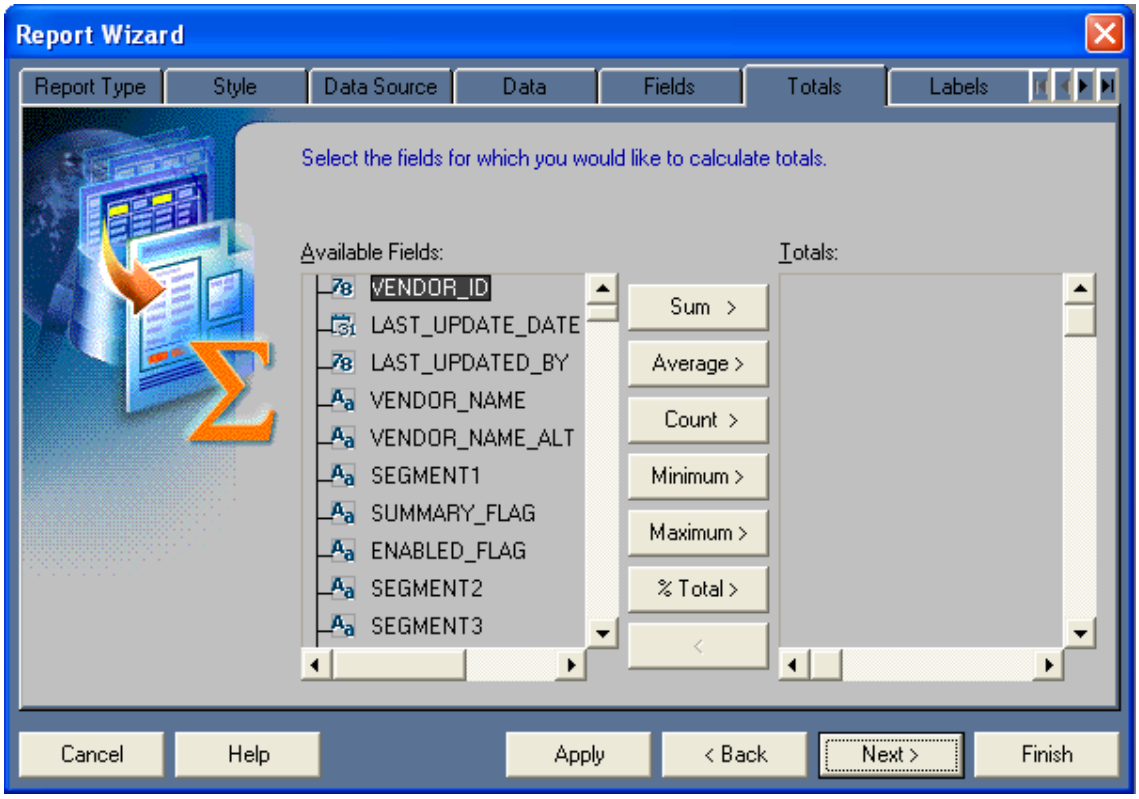
5. Next screen will display all the columns returned by the Query.



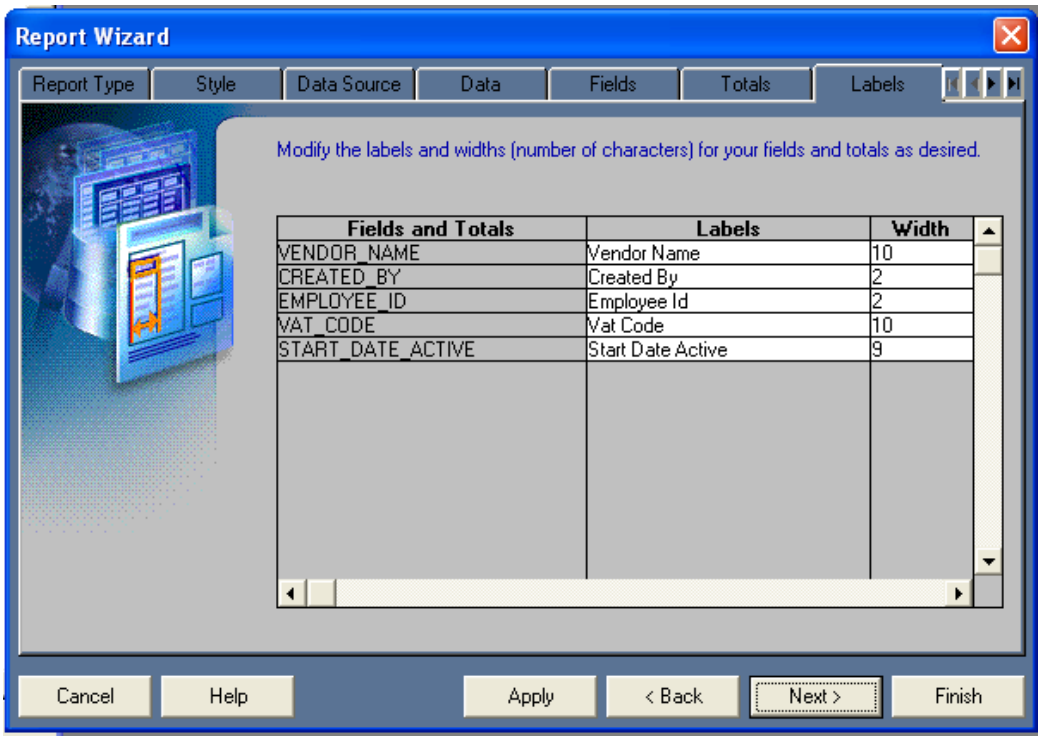
The 'Displayed Fields' area shows the columns that will be displayed on the report. Click on the > < arrows to move columns to and from display area one by one or >> << arrows to move all columns from 'Available Fields' to 'Displayed Fields' and vice versa. Select the following columns based on requirement. Click 'Next'.



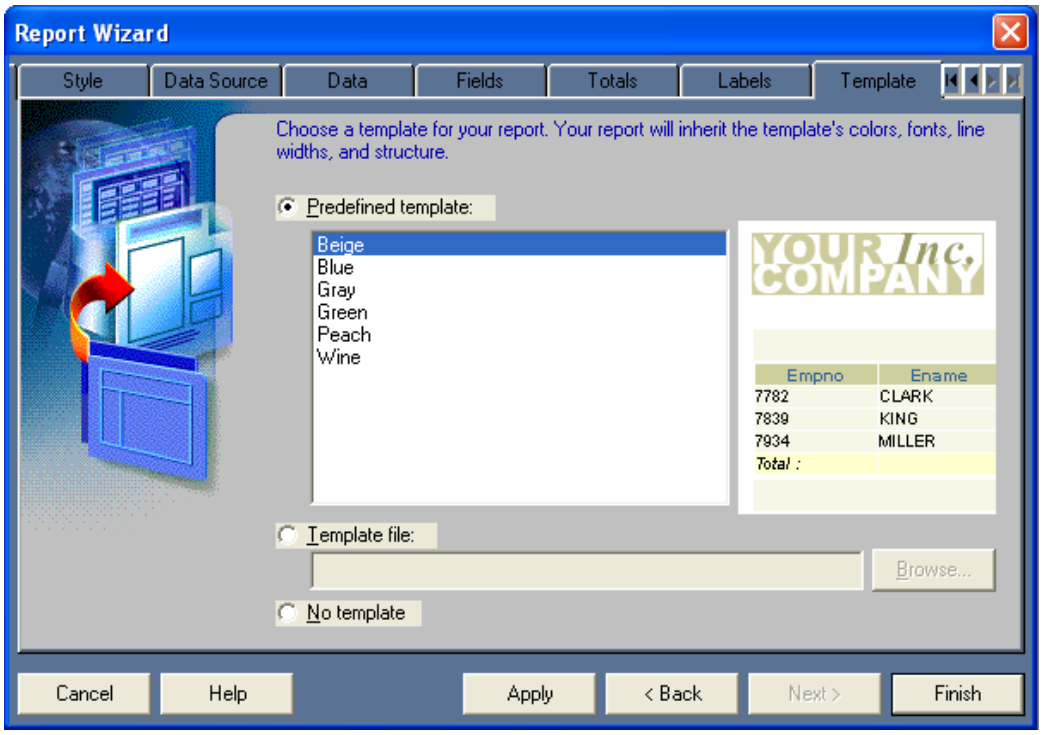
6. Next screen displays the formula columns that can be included in the report. We are not including any calculation for this report. Click 'Next'



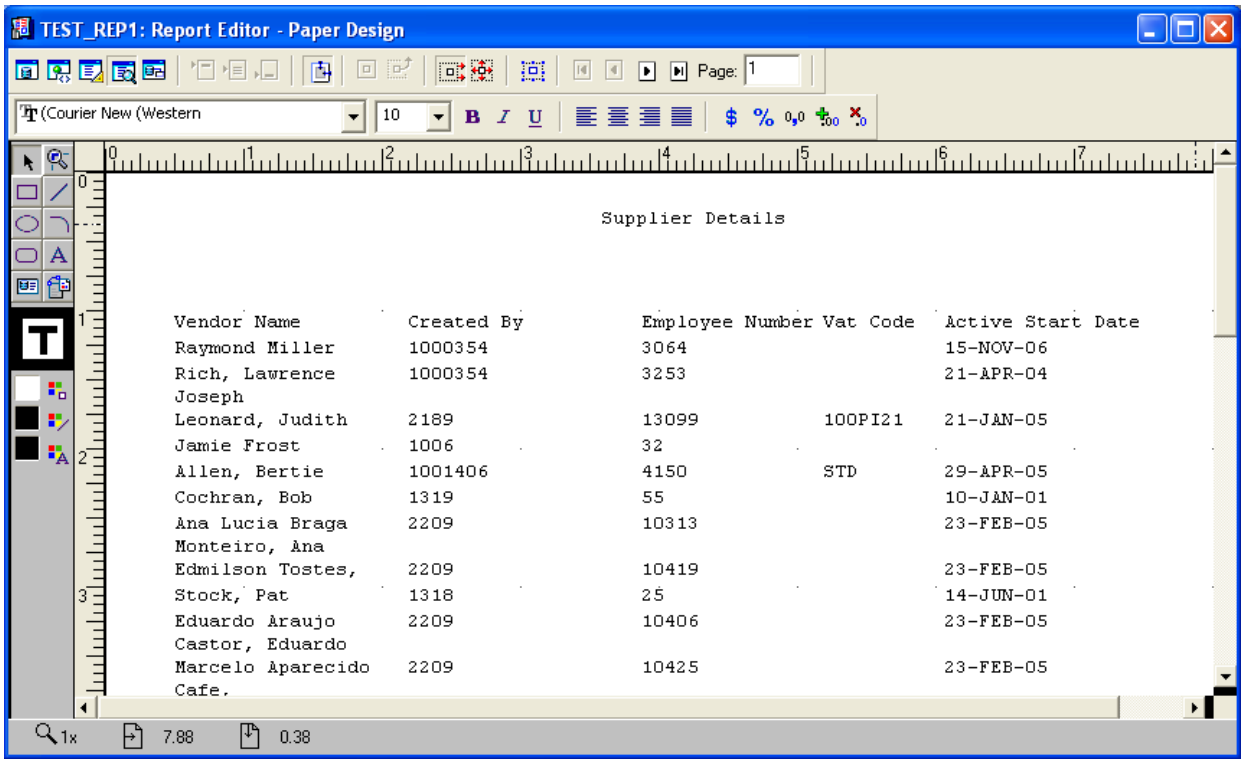
7. Next screen displays the Field width assigned to each column in the layout. We can also change the column label to be displayed.



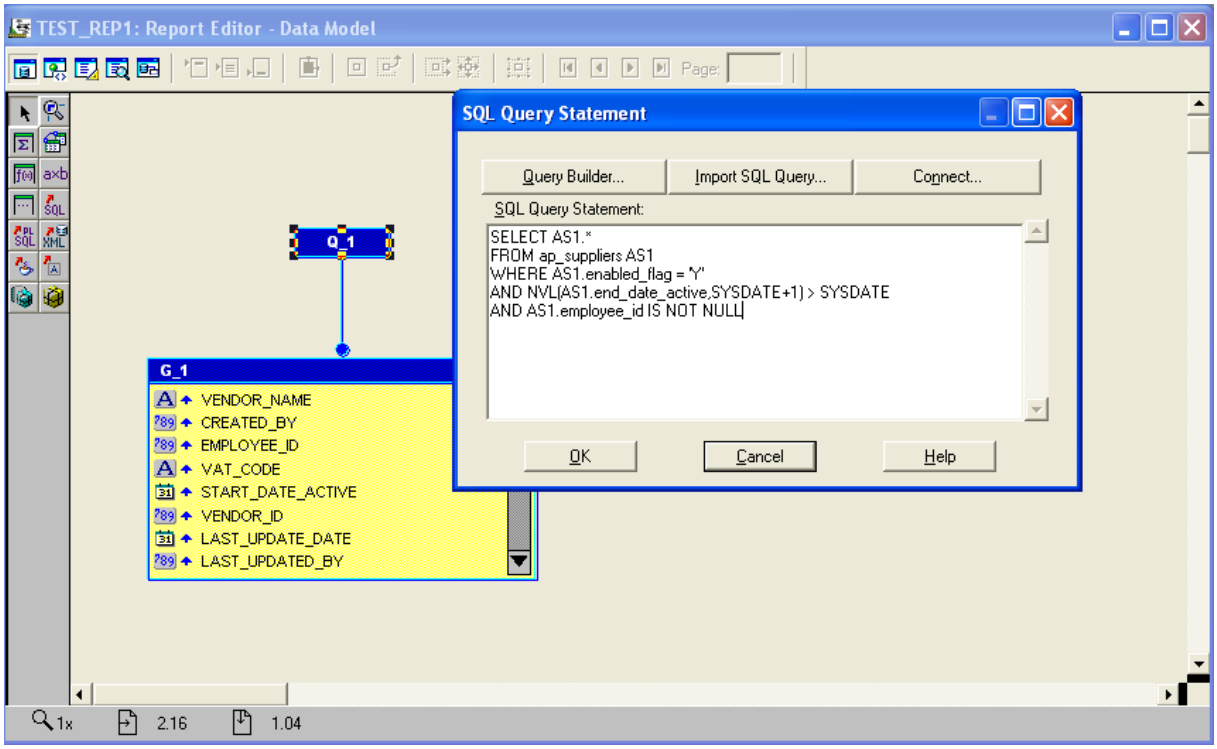
8. Next screen gives choice to choose the theme for the report to be displayed. Select as 'No template'. Click 'Finish'.



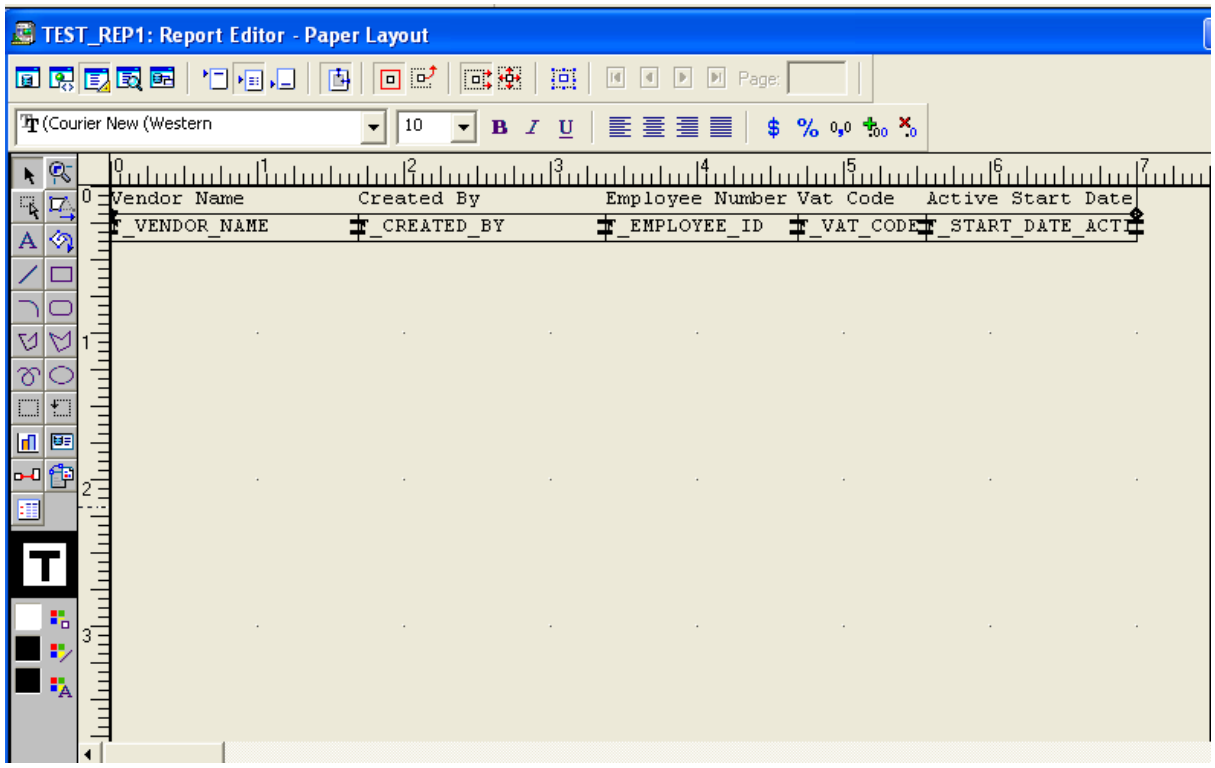
9. On click of 'Finish' Button, report editor opens and displays the paper design of how the report will be displayed.



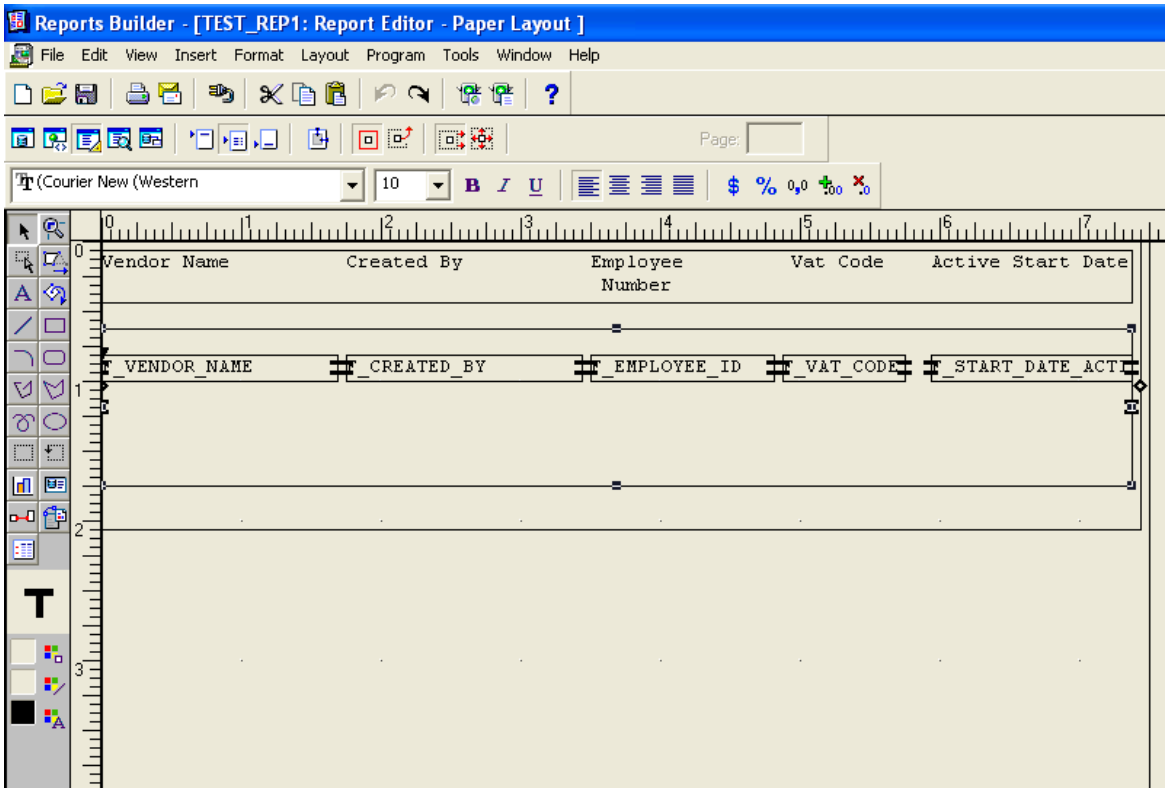
10. We can always go to 'Report Wizard' and modify a particular tab accordingly. As it is a simple tabular report, the data model will be single tire. In the figure, Q_1 signifies the query and G_1 signifies the group of columns under it.



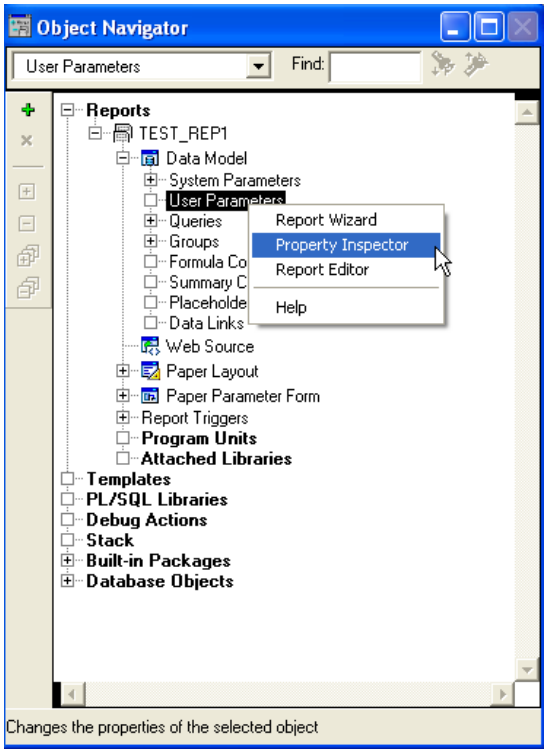
The paper layout is created as:



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)

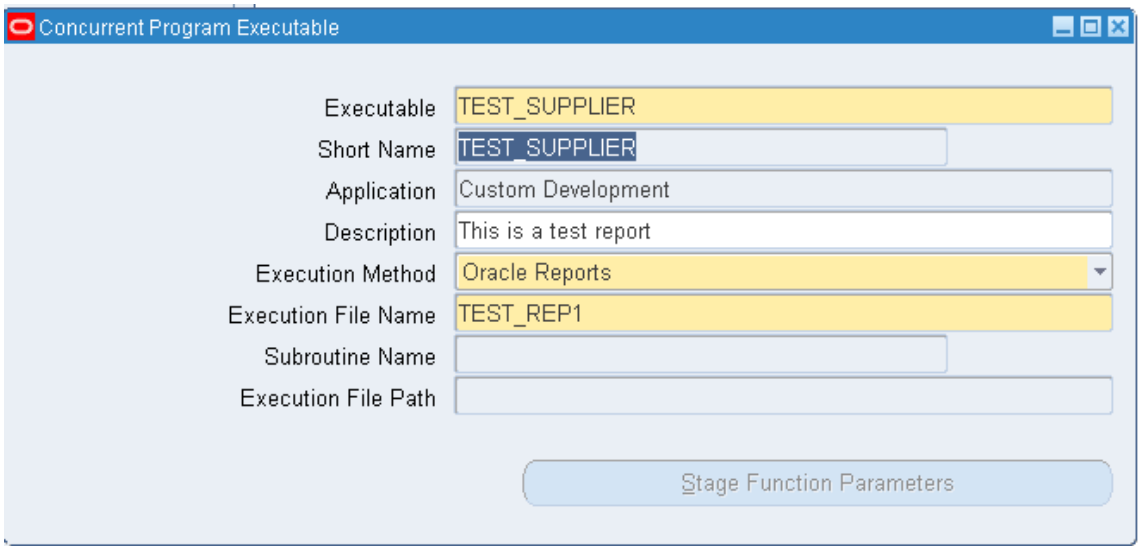
2. Use the username sysadmin/sysadmin.

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)



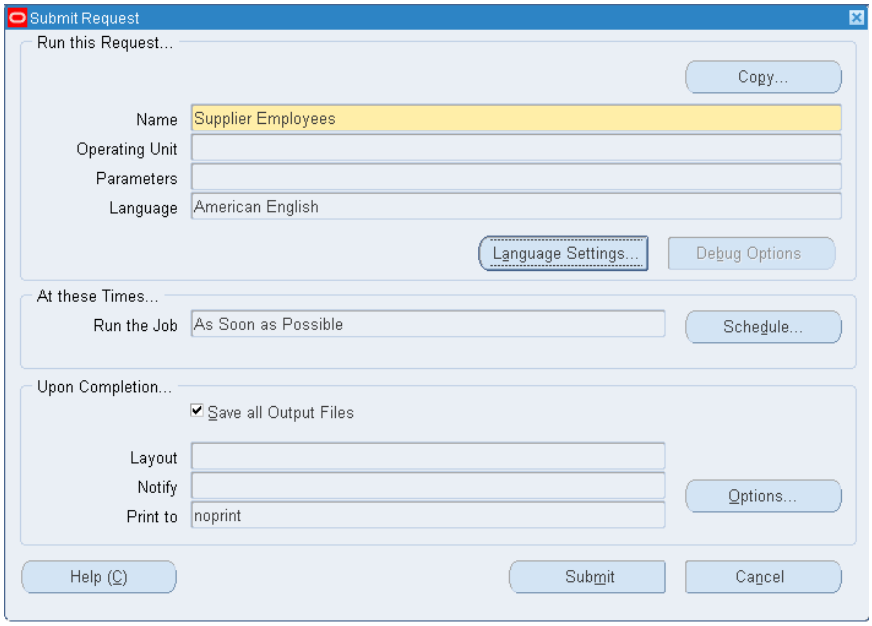
6. Go to Concurrent>Program>Define. Create Concurrent program and attach Executable created in Step 5.

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:

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

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 Site Code OFFICE City New York

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: -

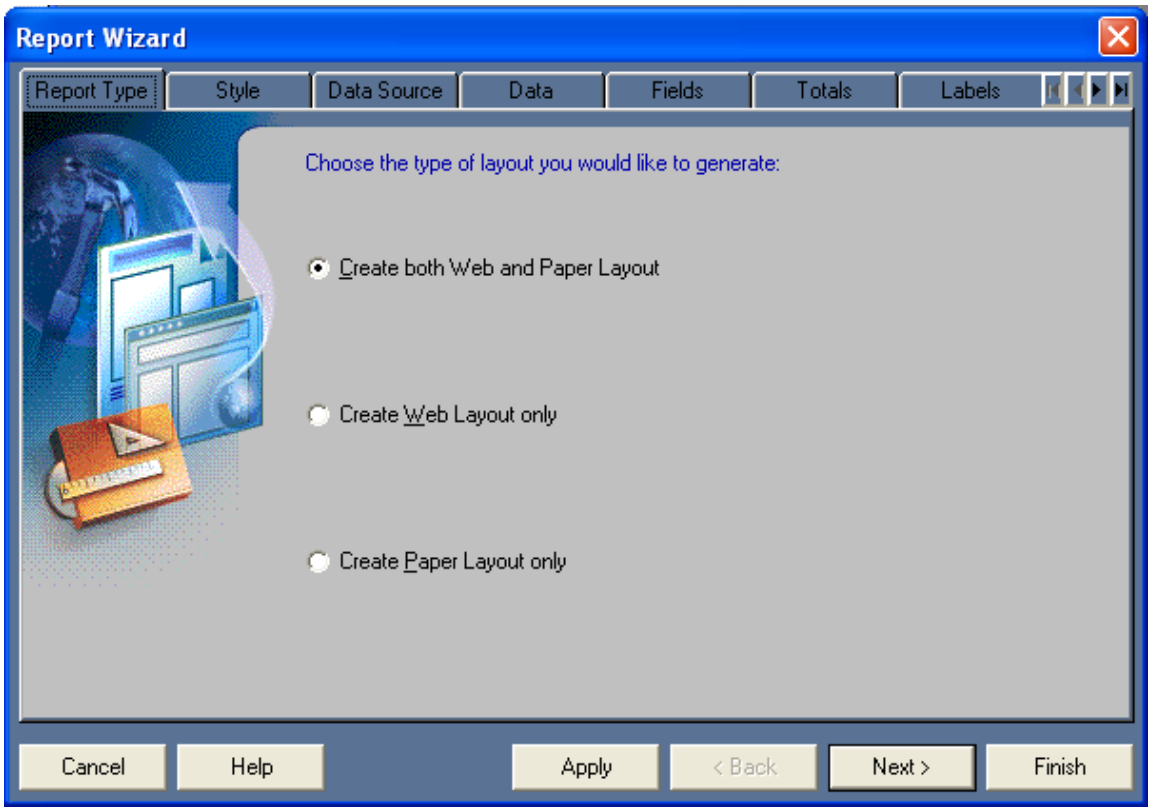
1. Open Reports Developer> Report builder. Create a new report(E.g.- TEST_REP2.rdf)

2. Go to Data Model>User Parameters. Include a new user parameter P_CONC_REQUEST_ID with following details:

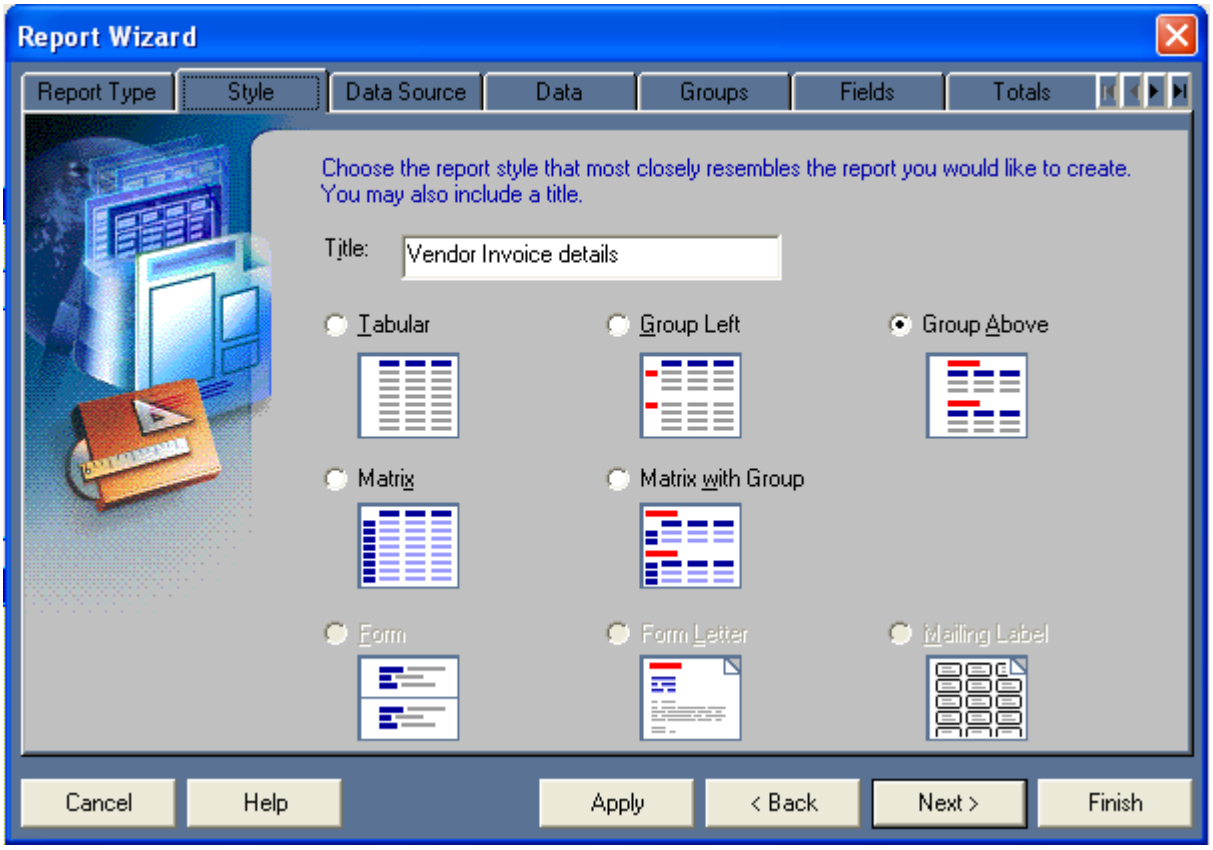
   Name: P_CONC_REQUEST_ID
   Datatype: Number
   Width: 15
   Initial Value: 0

   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

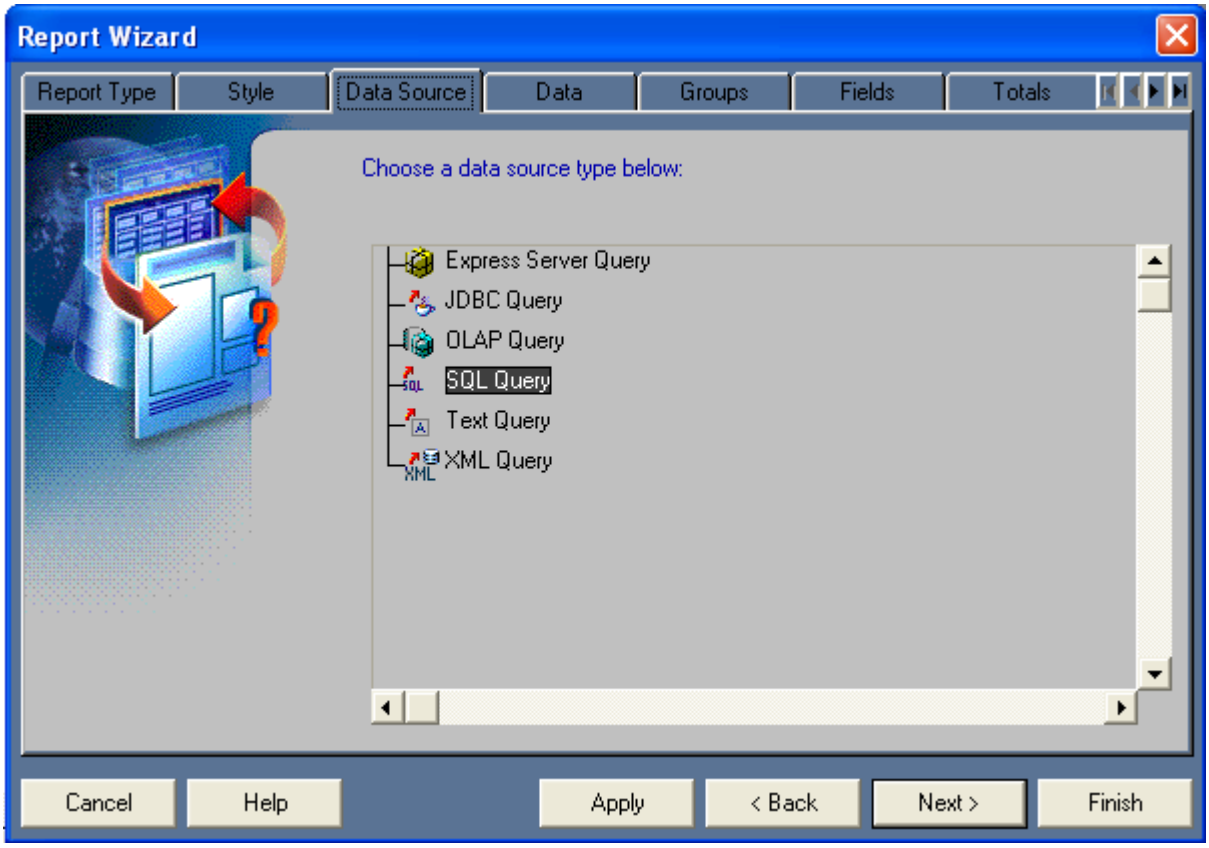
3. Go to Tools>Report Wizard



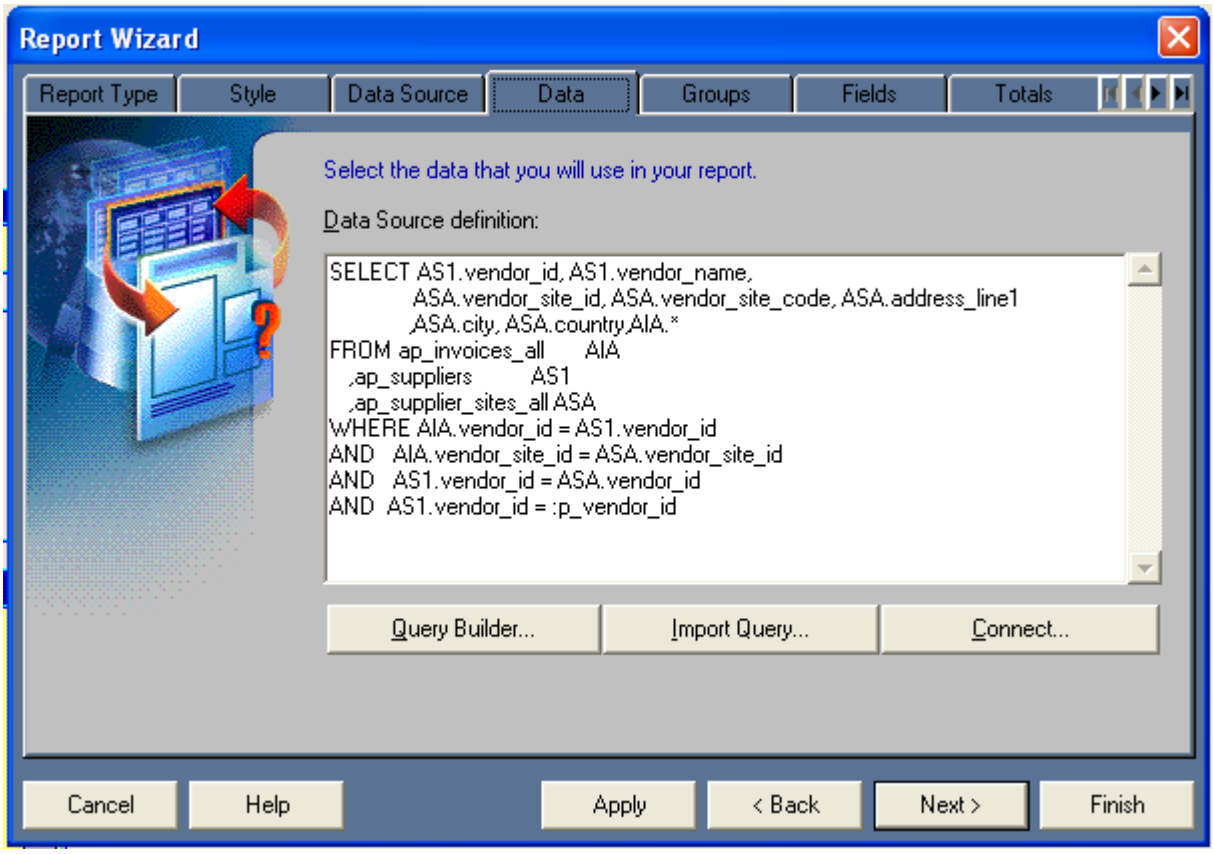
4. Select the layout for oracle report. Click 'Next'. Next tab selects the layout type for report



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



Select the datasource as Query. Click ‘Next’.

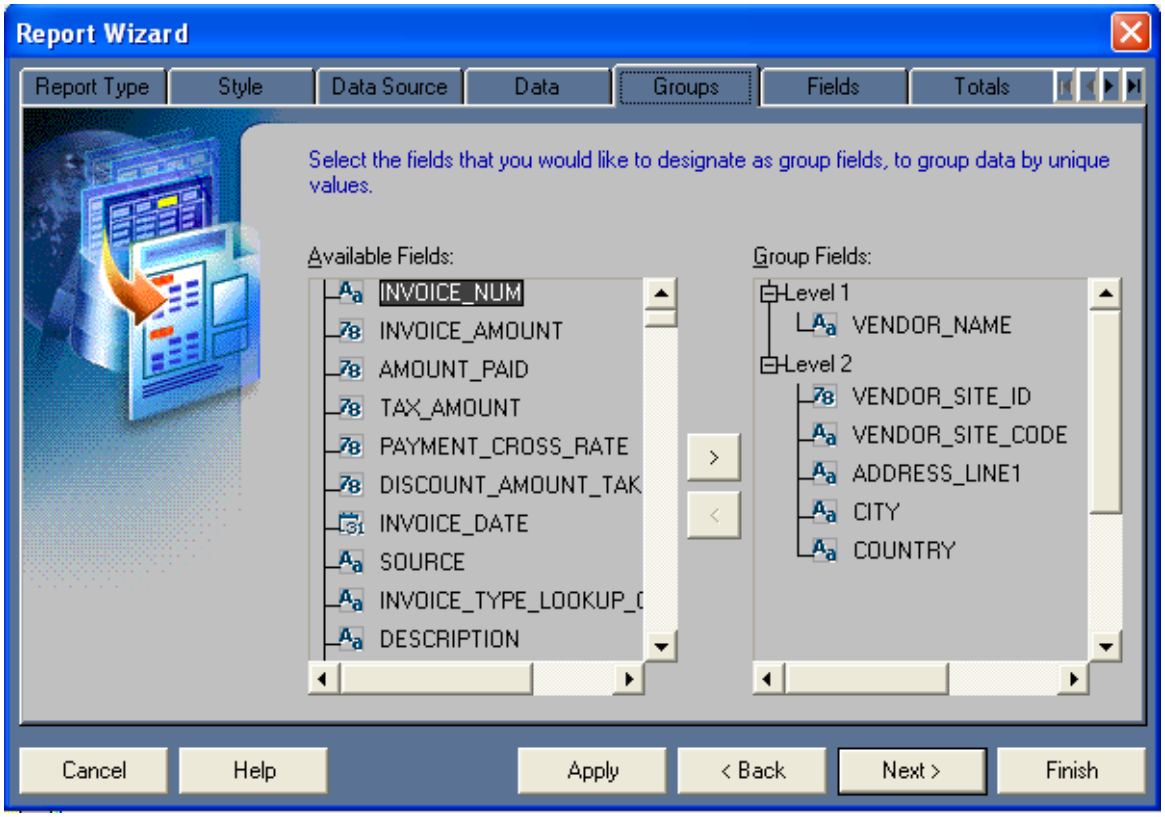


Use the following query and Click 'Next':

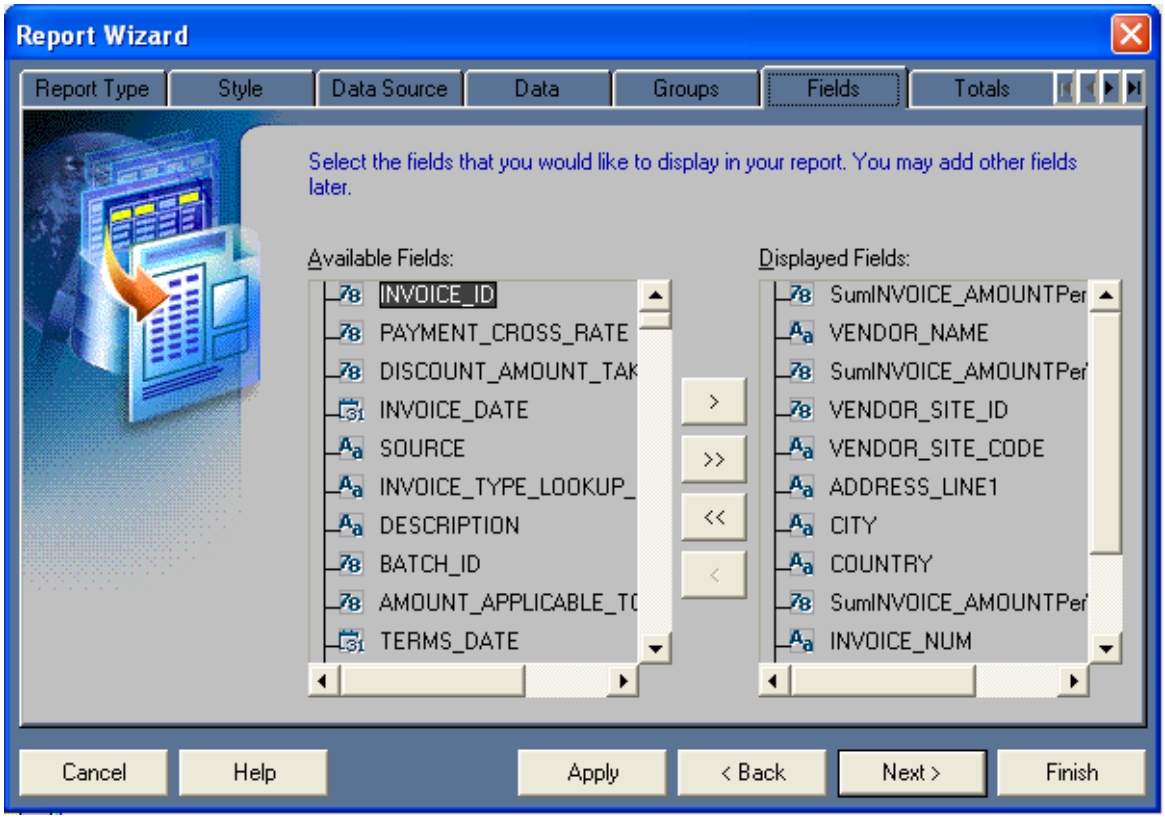
```
SELECT AS1.vendor_id, AS1.vendor_name,
          ASA.vendor_site_id, ASA.vendor_site_code, ASA.address_line1,
          ASA.city, ASA.country,AIA.*
FROM   ap_invoices_all      AIA
          ,ap_suppliers        AS1
          ,ap_supplier_sites_all ASA
WHERE AIA.vendor_id = AS1.vendor_id
AND    AIA.vendor_site_id = 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 is it provided at run time.

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

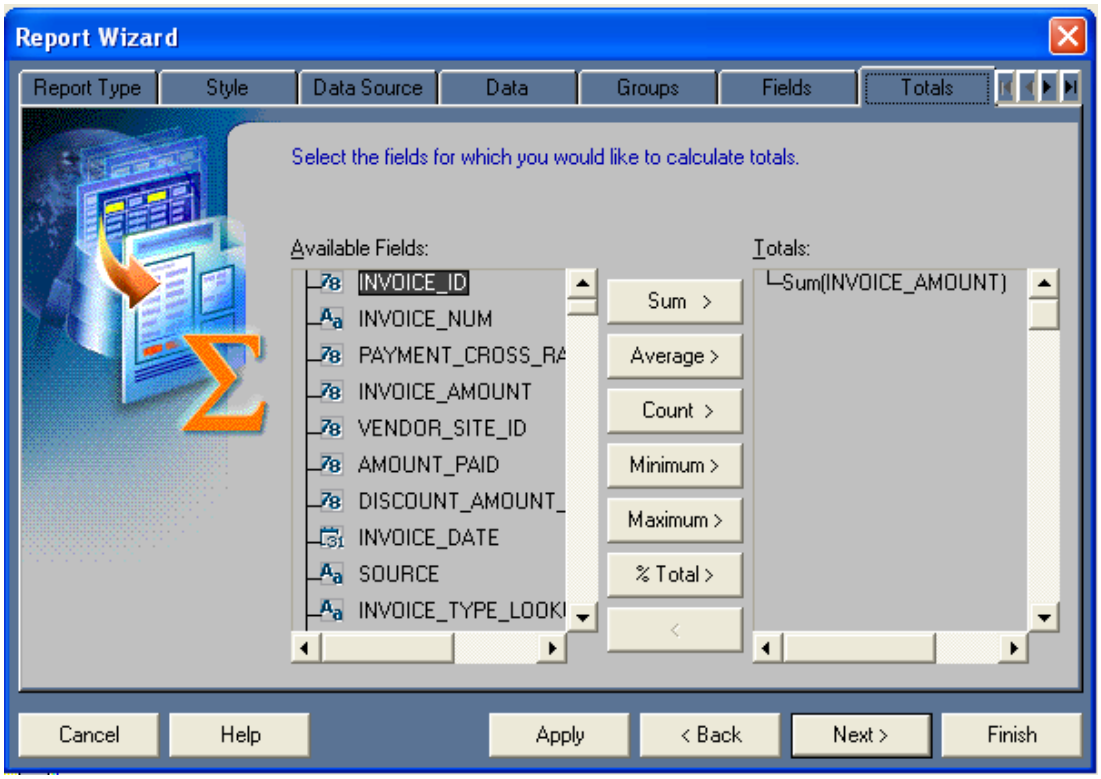


Next screen will display all the columns returned by the Query.

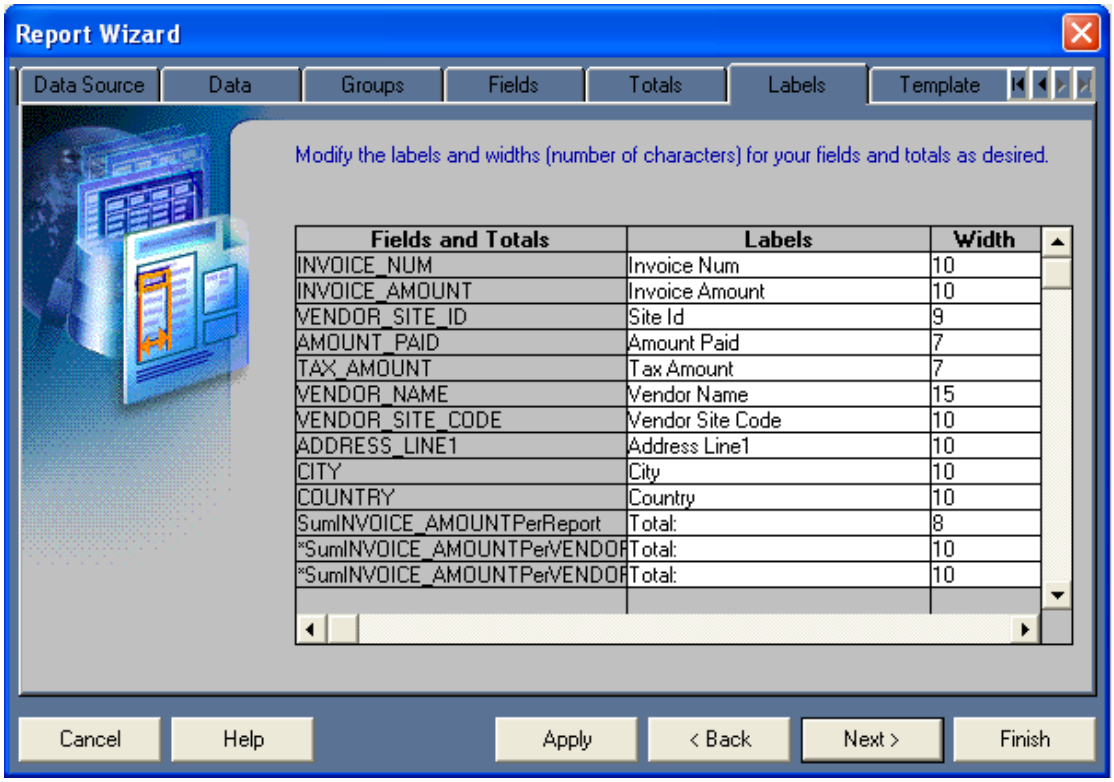


The 'Displayed Fields' area shows the columns that will be displayed on the report. Click on the > < arrows to move columns to and from display area one by one or >> << arrows to move all columns from 'Available Fields' to 'Displayed Fields' and vice versa. Select the following columns based on requirement. Click 'Next'

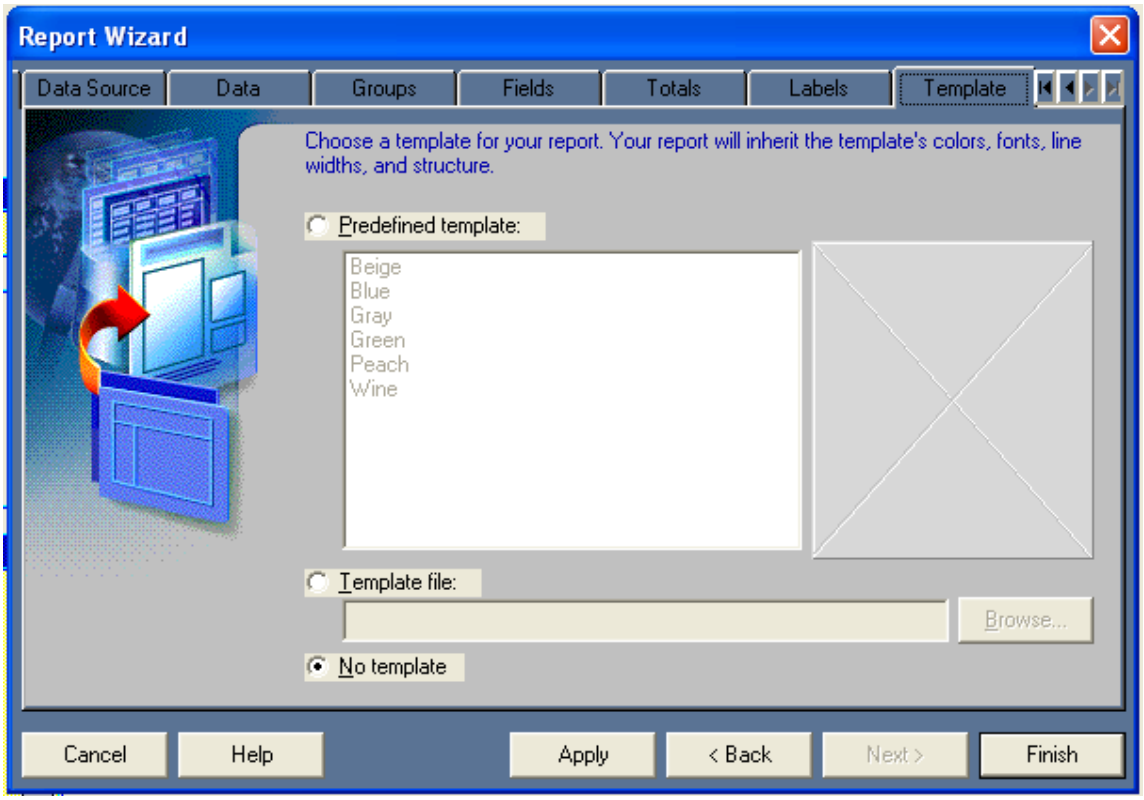
Next screen displays the formula columns that can be included in the report. In this case we need to give the sum of invoices, so select the proper formula. Click 'Next'



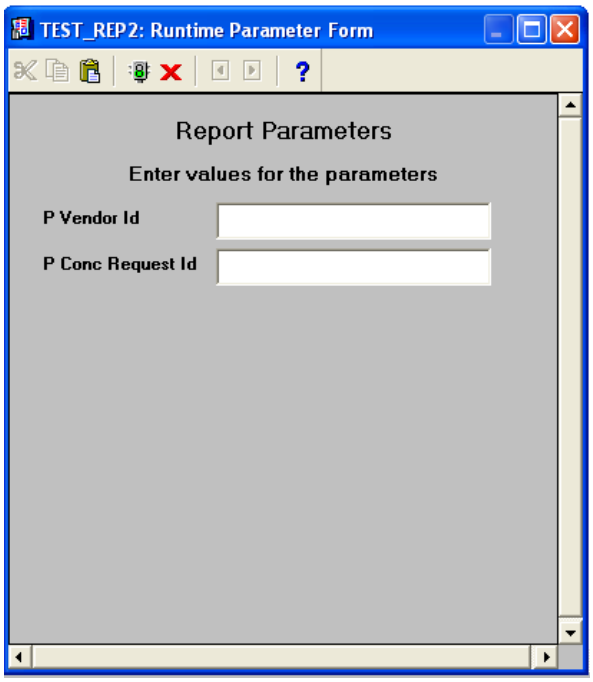
Next screen displays the Field width assigned to each column in the layout. We can also change the column label to be displayed.



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

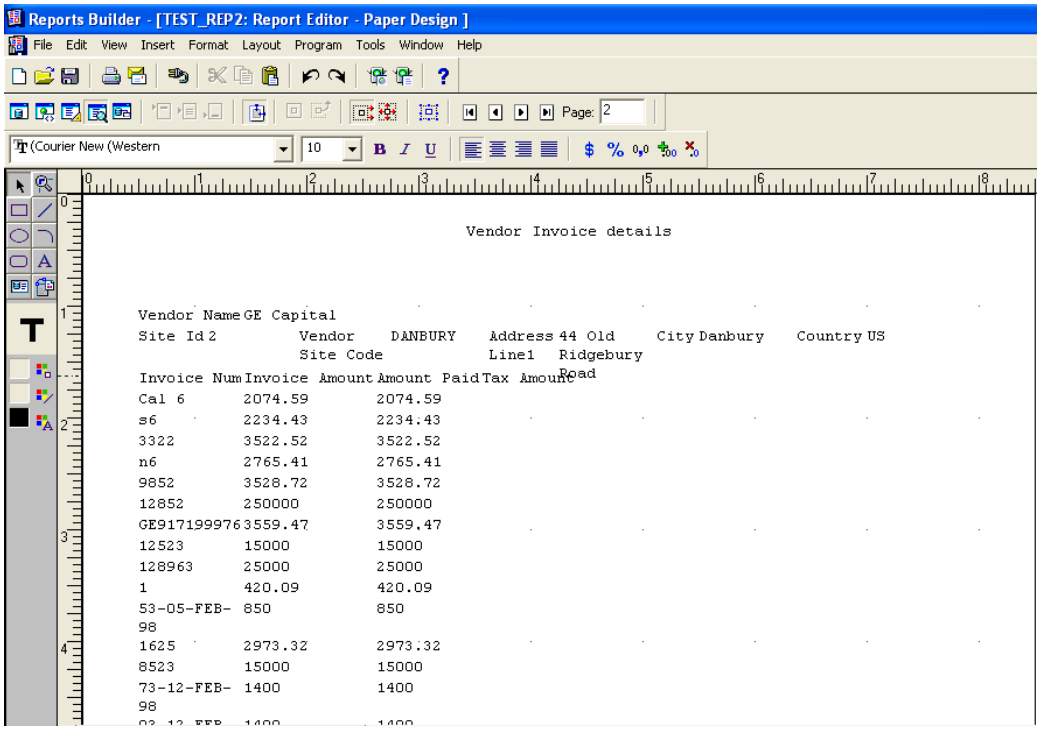


6. On click of 'Finish' Button, the report is run locally. It will ask for the 2 parameters added earlier as:

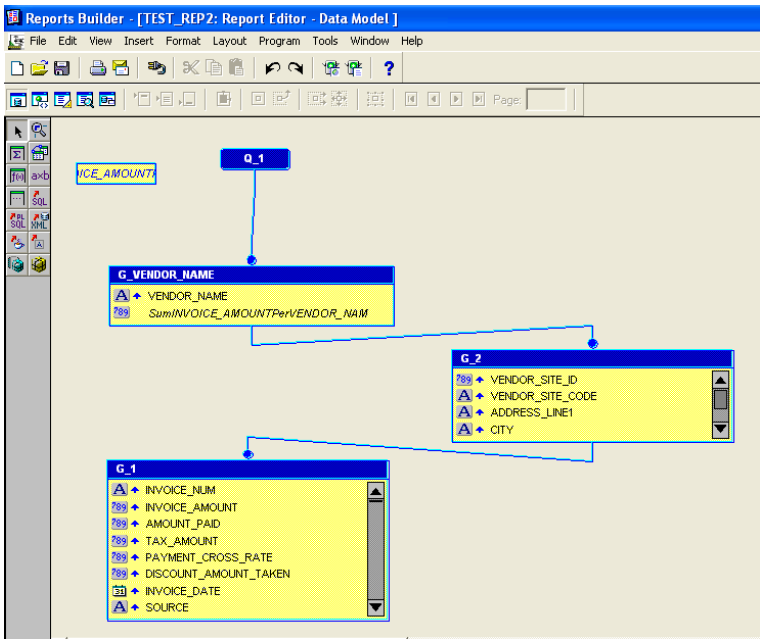


Here enter the vendor id for which the report is to be executed in field 'P Vendor Id'. Do not pass any value to parameter P Conc Request Id. Press Enter.

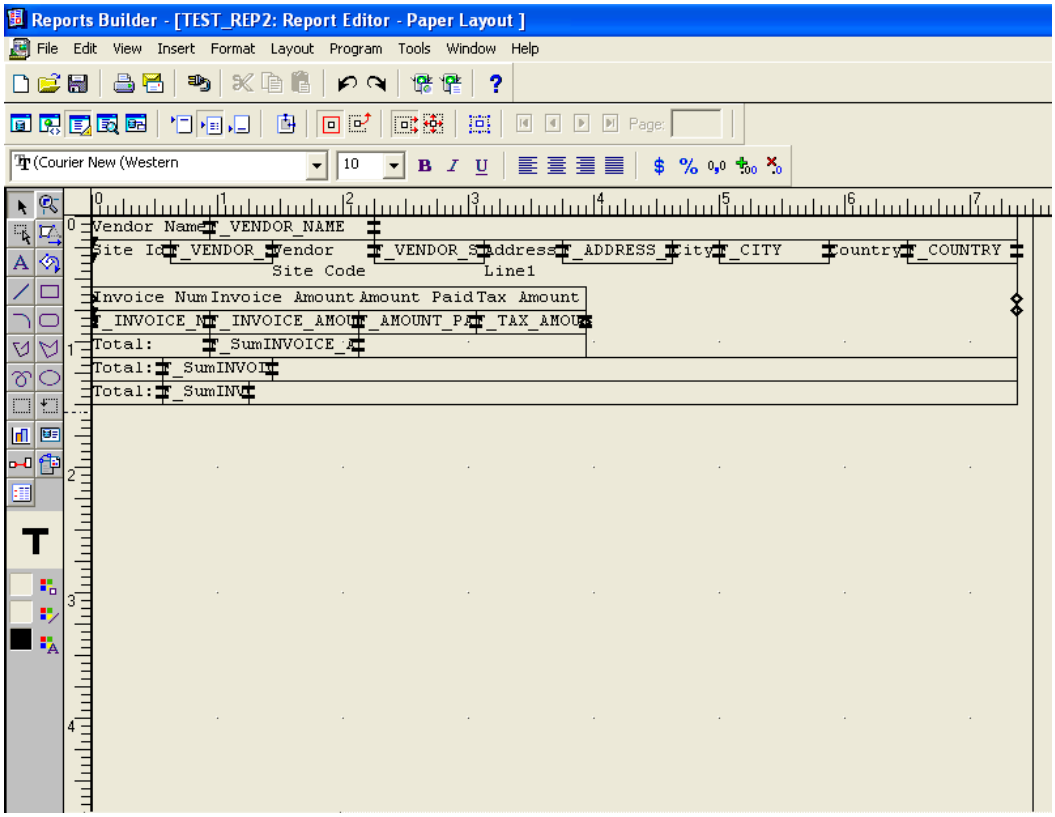
The report editor opens and displays the paper design of how the report will be displayed.



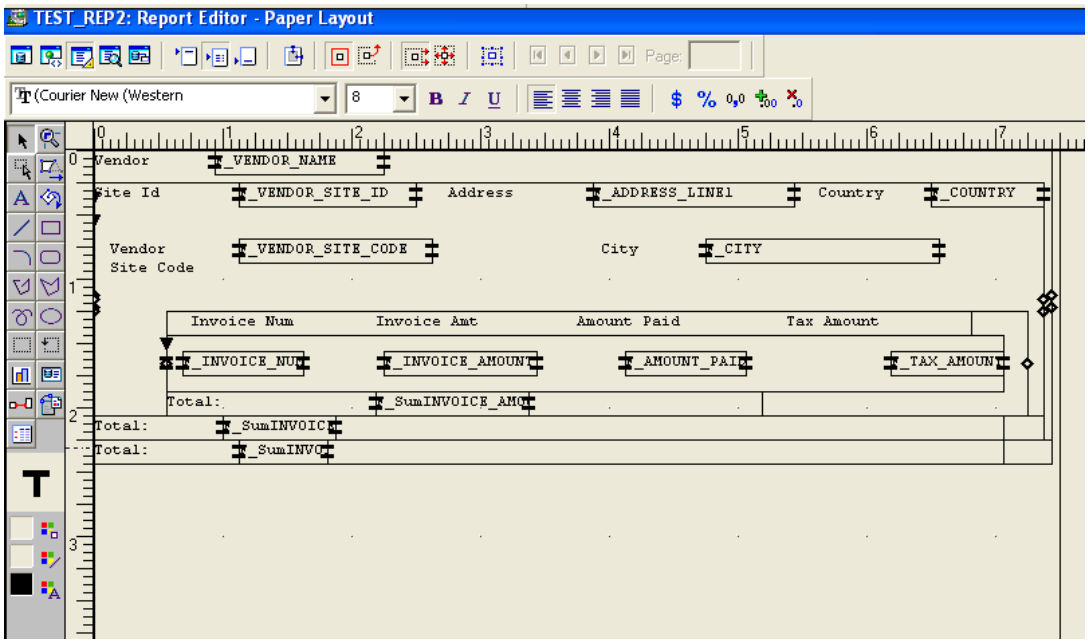
We can always go to 'Report Wizard' and modify a particular tab accordingly and generate the report locally. The datamodel for this case study will be as follows:



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.



7. Go to Report Triggers. Include following text for user exits in ‘Before Report’ trigger.

   SRW.USER_EXIT('FND SRWINIT');

8. 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.

9. 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

1. Login to the 11i eBusiness Suite instance at the Instructor designated instance: (e.g., http://es0144.oracle.com/OA_HTML/AppsLocalLogin.jsp)

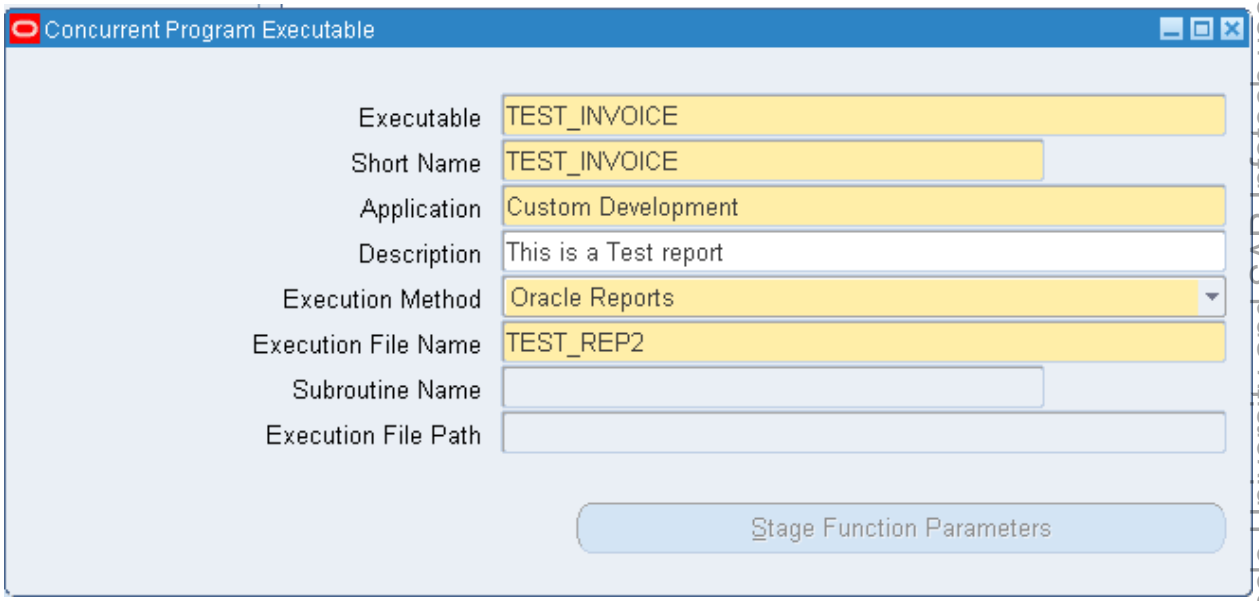
2. Use the username sysadmin/sysadmin.

3. Go to System Administrator Responsibility

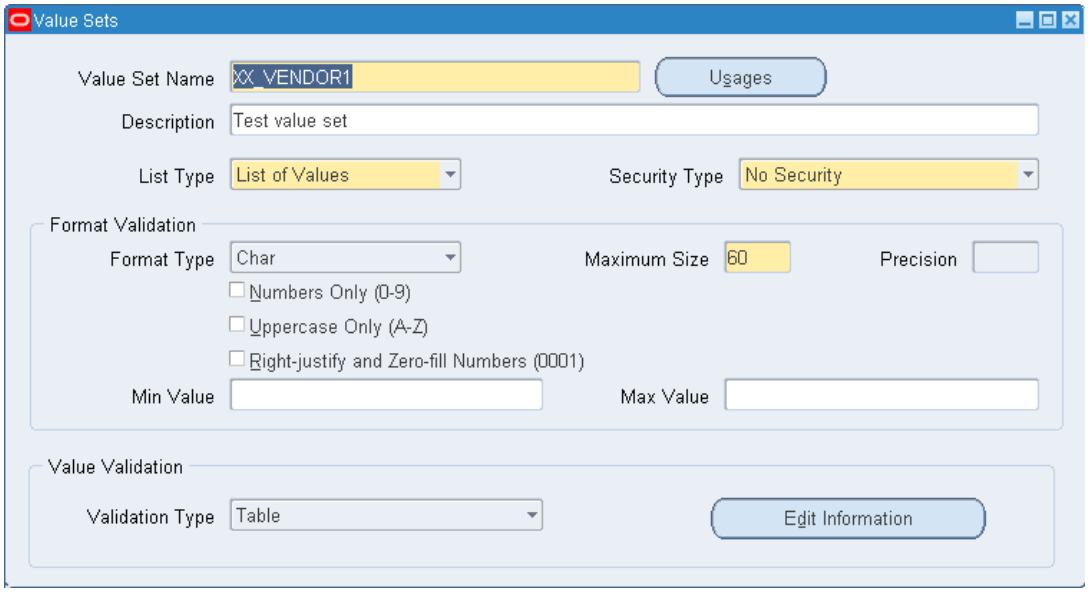
4. Go to Concurrent> Program> Executable.

5. Give the following values:

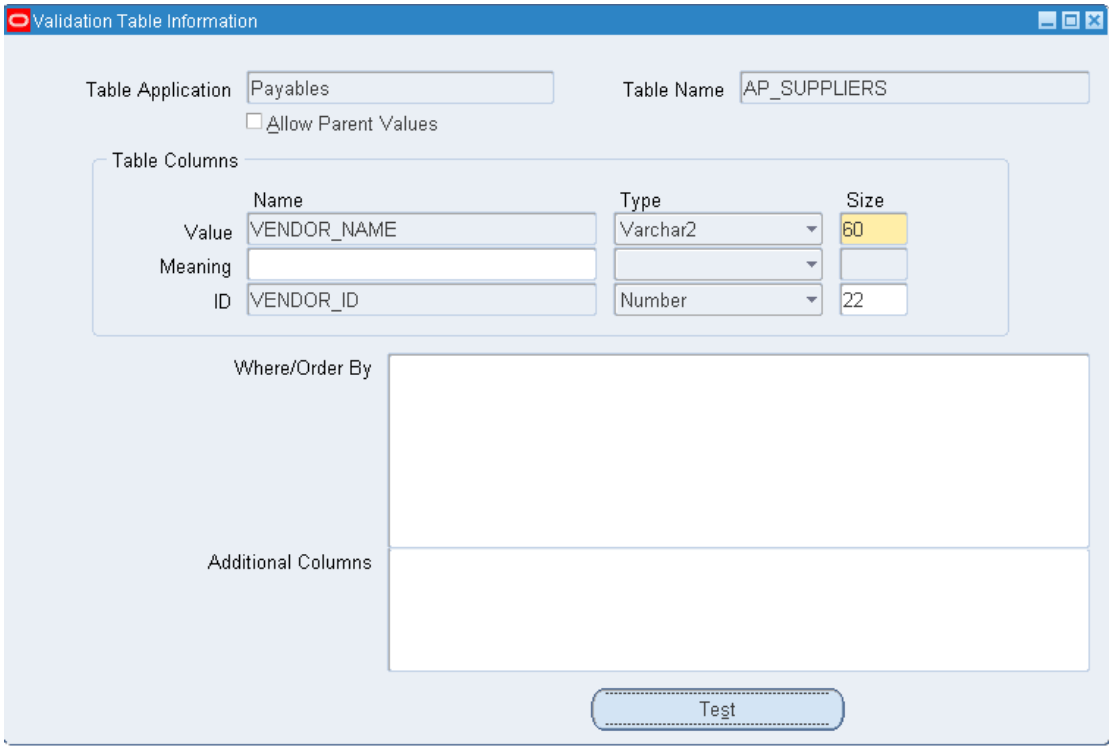
   Executable : Any User defined Name(e.g. TEST_INVOICE)
   Short Name : Any User defined Name(e.g. TEST_INVOICE)
   Application Name: Where the .rdf file is located (e.g. 'Custom Development' here, as the rdf is kept in $CUST_TOP)
   Execution Method :Oracle Reports (for reports)
   Execution File : Actual Report Name i.e. placed on the server(e.g.-TEST_REP2)



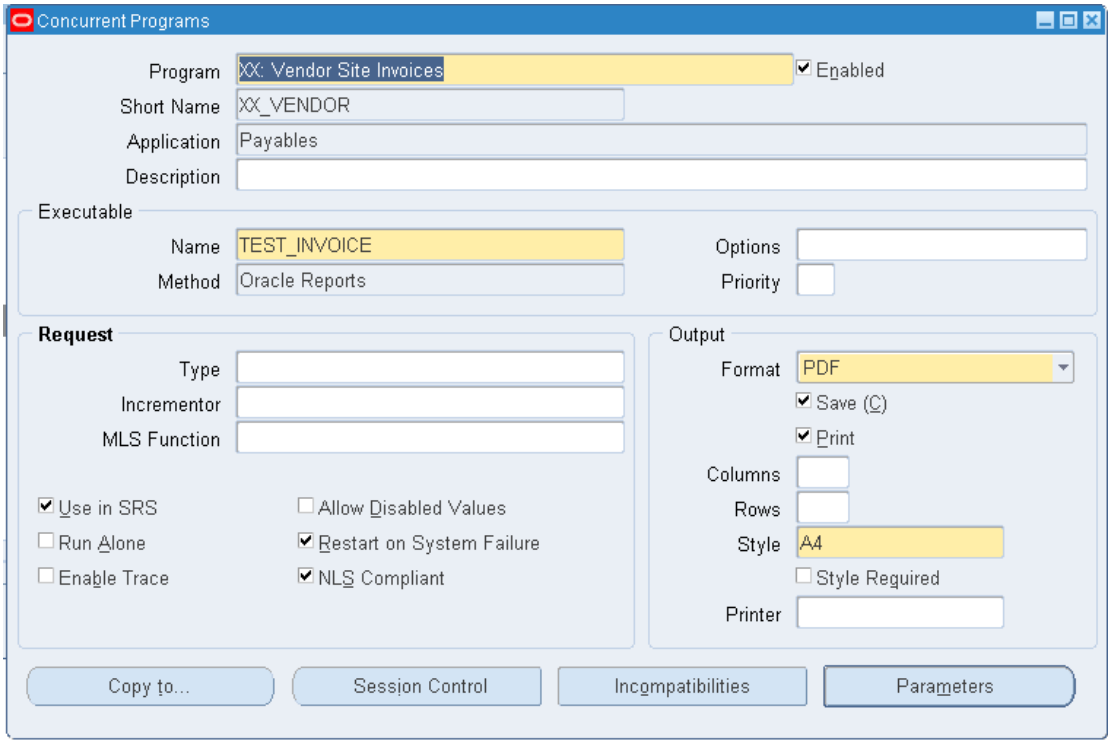
Go to Application> Validation> Set. Create a value set as XX_VENDOR of type table.



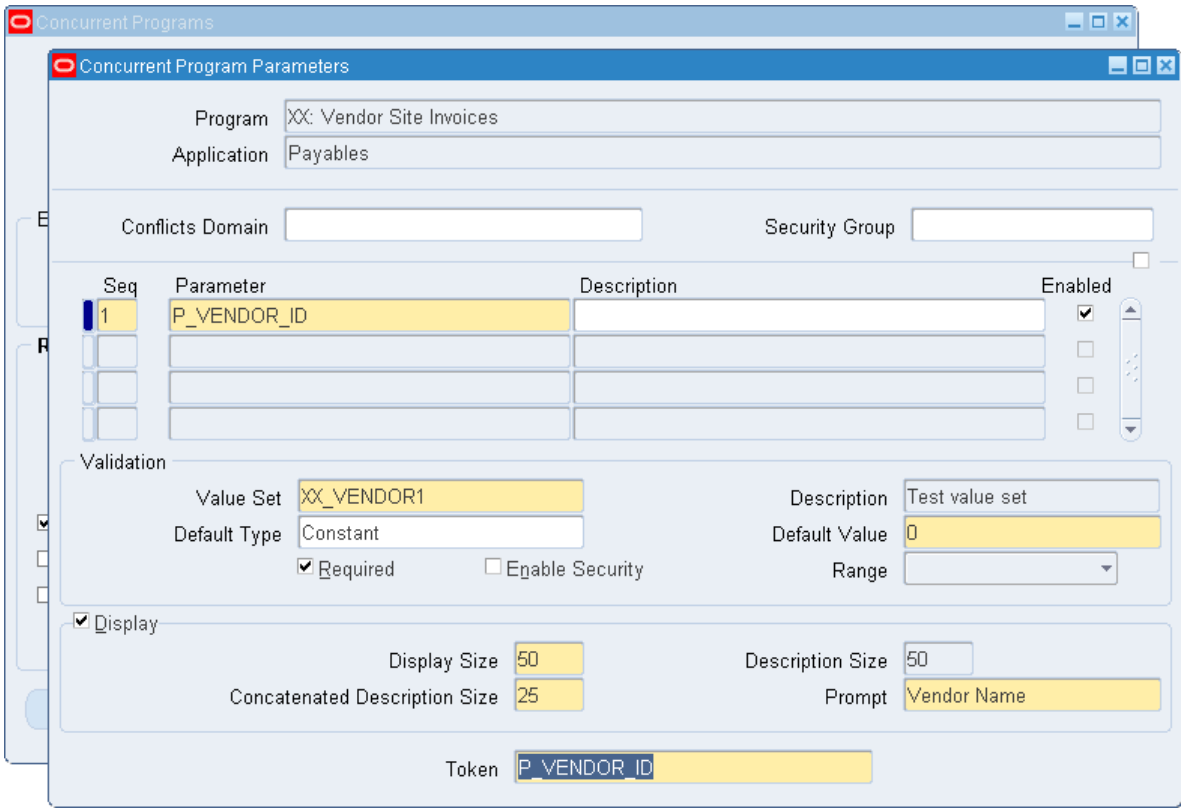
Click on 'Edit Information'. Fill the following details and save.



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



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



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

<u>Report Output:</u>

Vendor Invoice details

Vendor Beckmann,
Lisa

Site Id 4905 Address 500 Madison Ave Country US

Vendor Site Code OFFICE City New York

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:

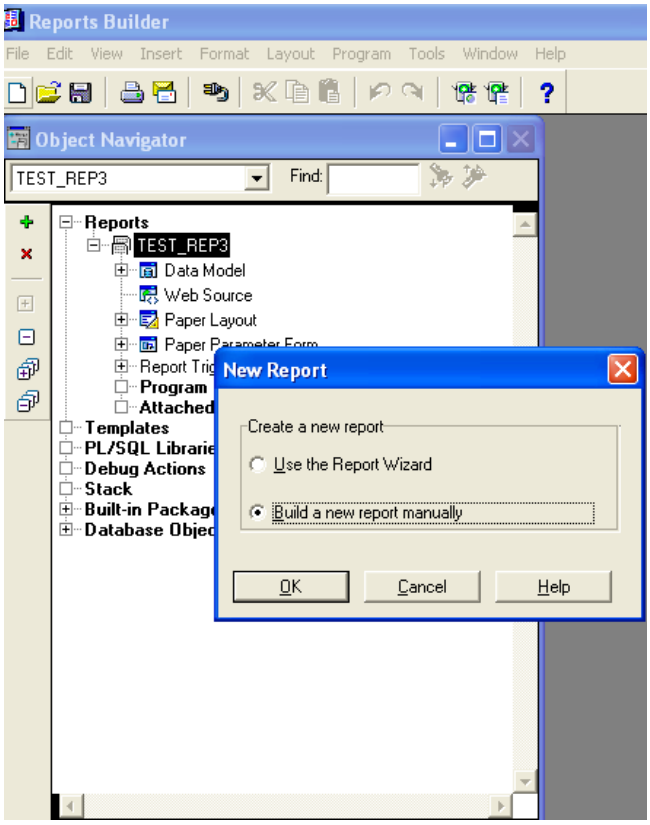
Orders Master Detail Report

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

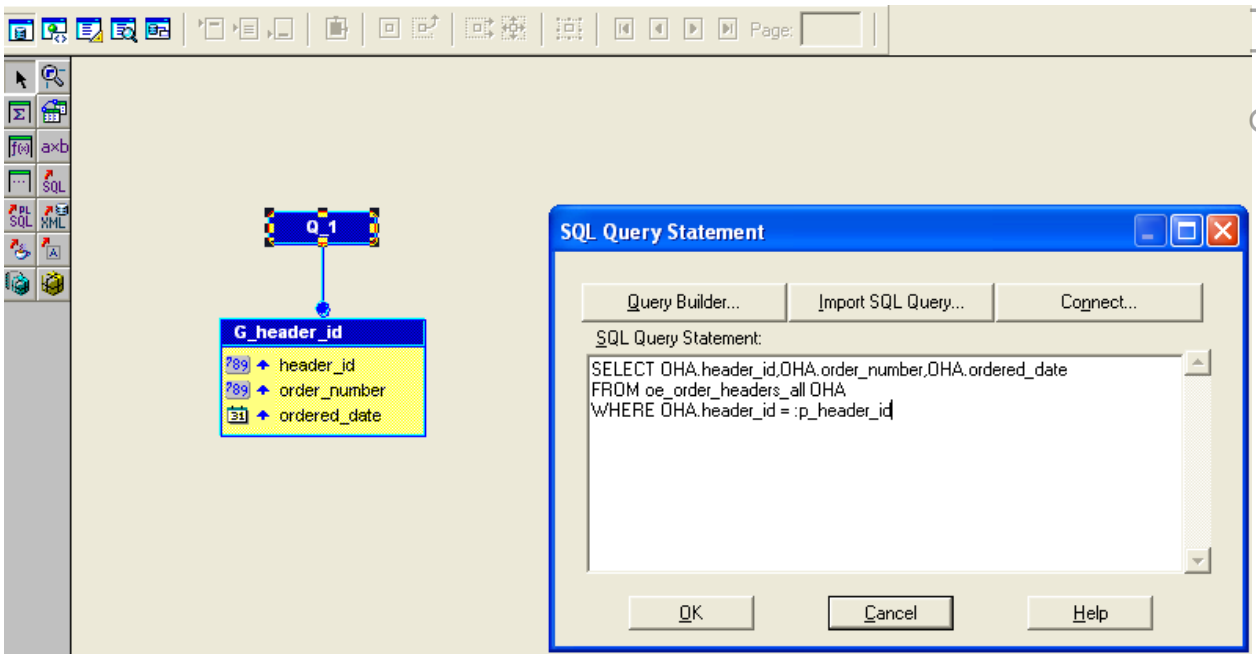
Steps involved: -

1. Open Reports Developer> Report builder. Create a new report (E.g.- TEST_REP2.rdf) and select option as ‘ Build a new report Manually’

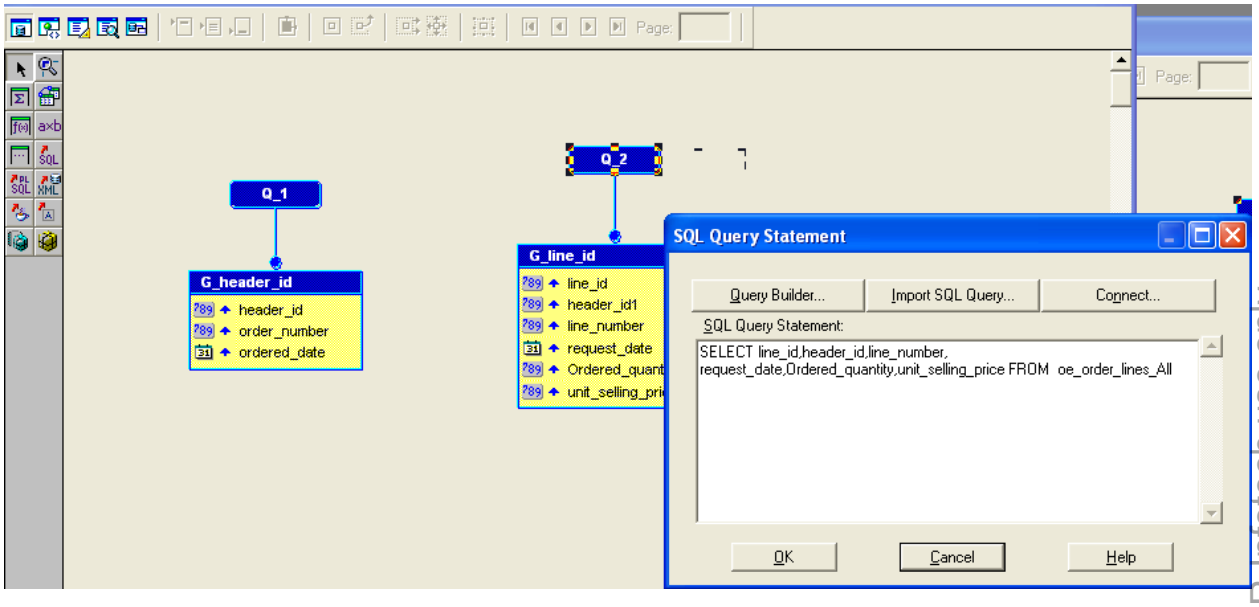


2. It takes us to the datamodel. Datamodel is the place where we specify the query model for the report. As it is a Master detail report, we will have 2 queries.

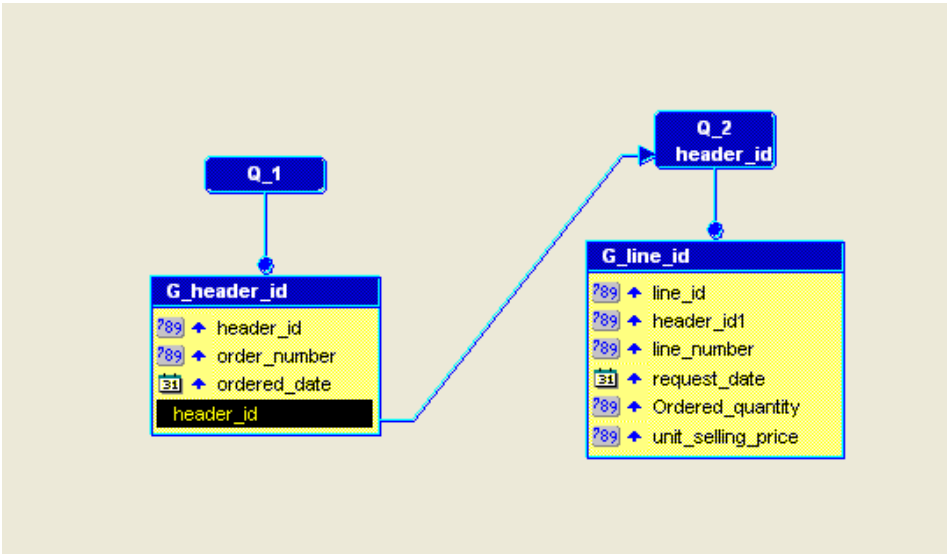
   Select 'SQL' option and create a Query as:



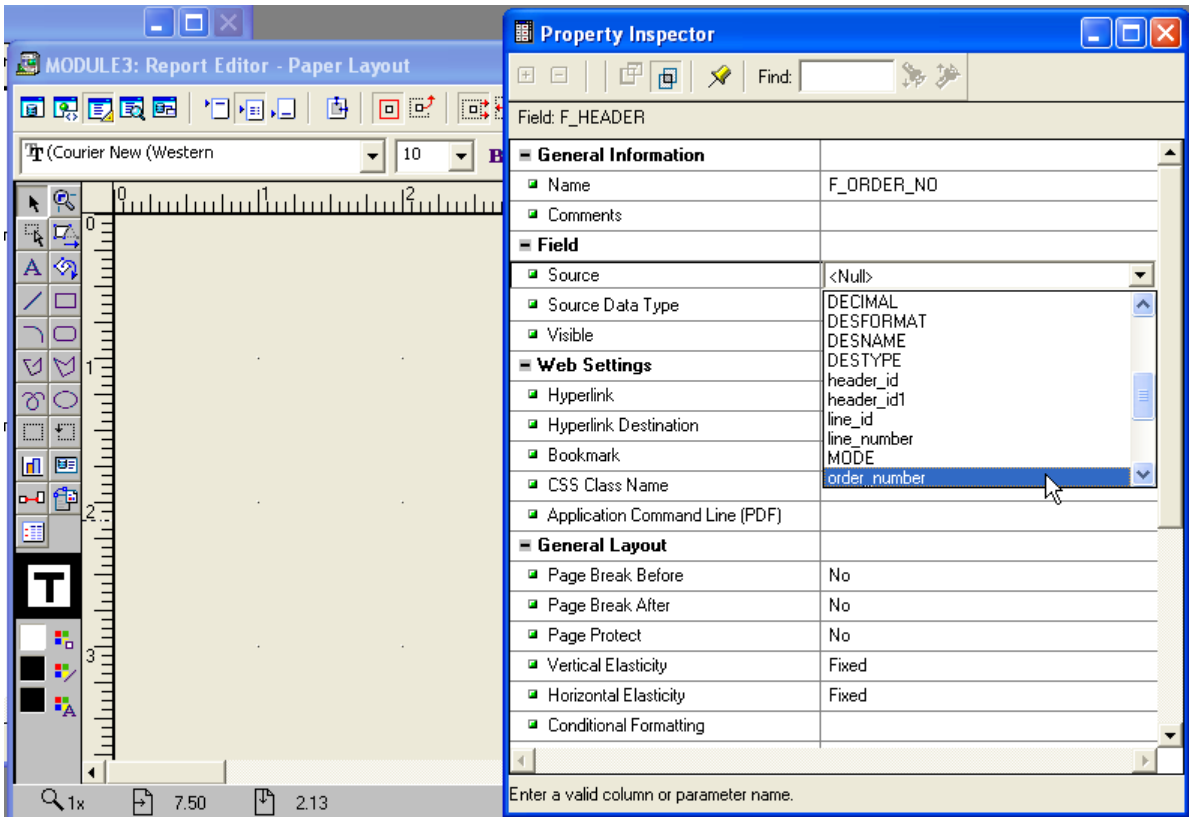
Where Q_1 will be master Query. Select 'SQL' option again and create one new query, which will later be the Detail query as:



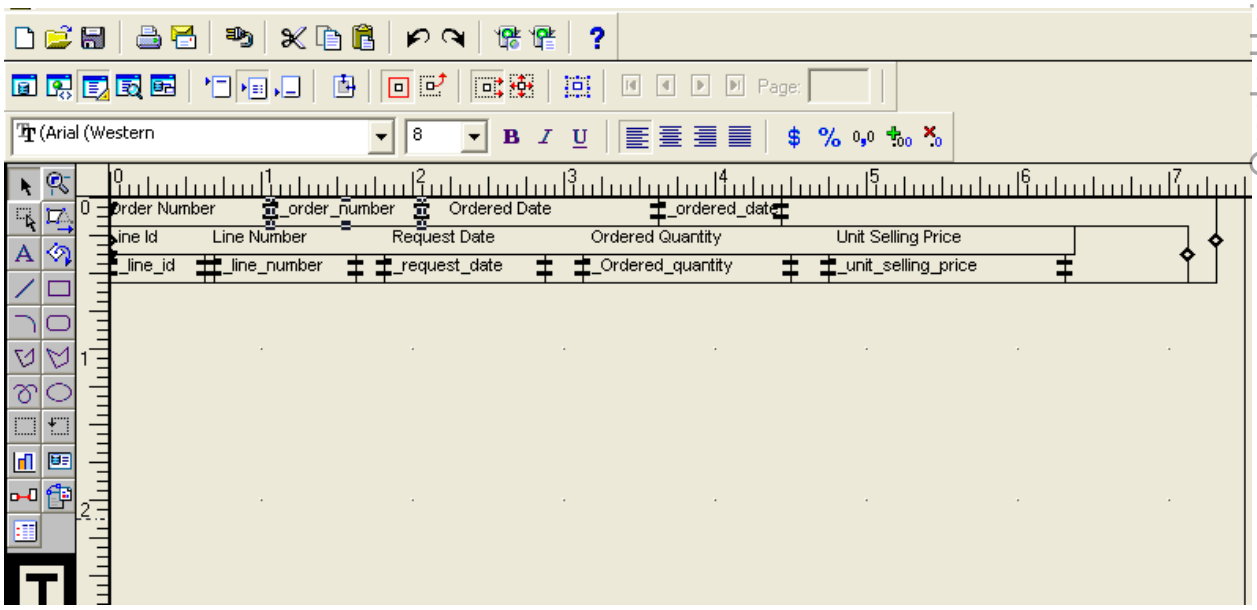
Join 'Header_id' of Q_1 with 'Header_id1' of Q_2 with a Datalink as:



3. 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)

2. Use the username sysadmin/sysadmin.

3. Go to System Administator 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 metrix 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.

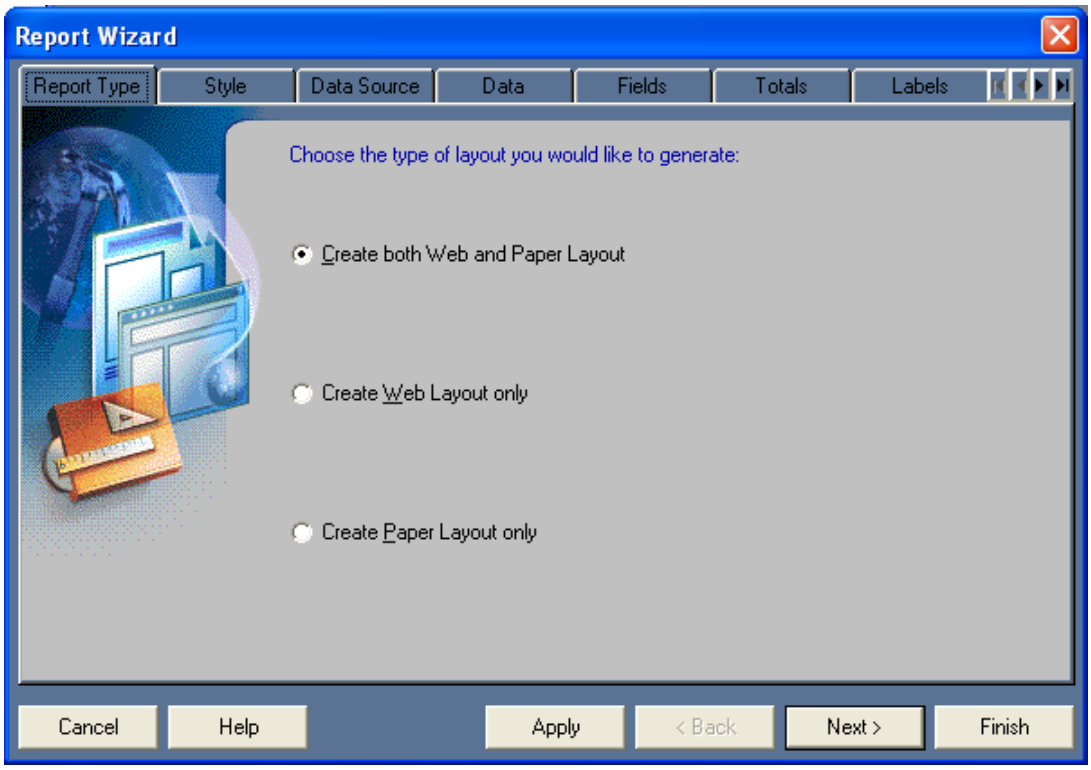
Your output should look similar to the following when the report is run from oracle applications:

Vendor Total Invoices for each OU and for each Year

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

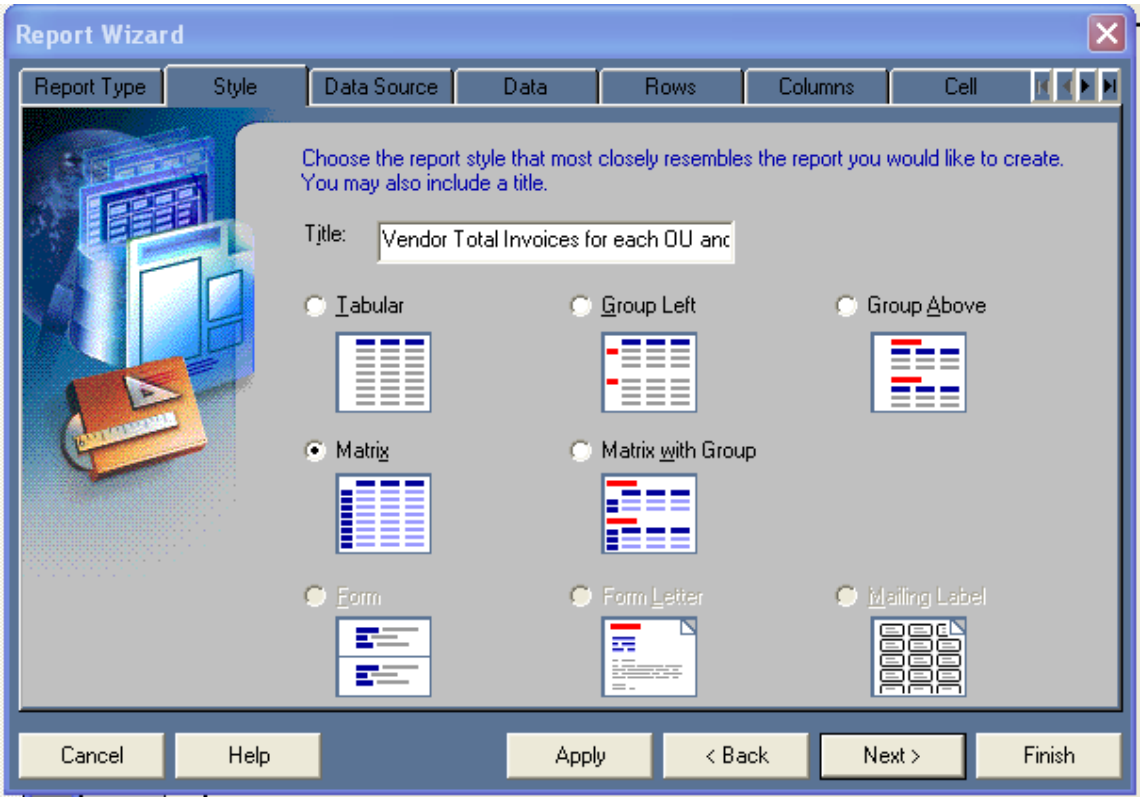
1. Open Reports Developer> Report builder. Create a new report(E.g.- TEST_REP4.rdf)

2. Go to Tools>Report Wizard.

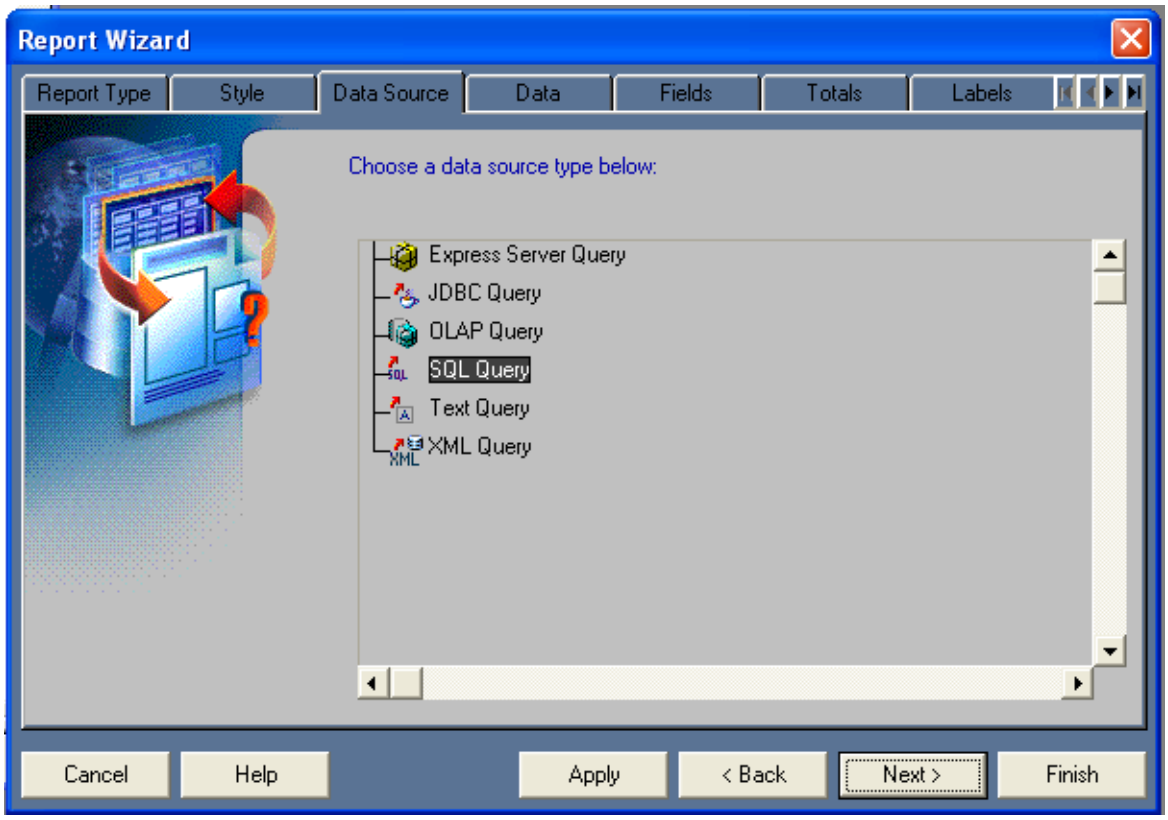


Select the layout for oracle report. Click ‘Next’.

3. Next tab selects the layout type for report.



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

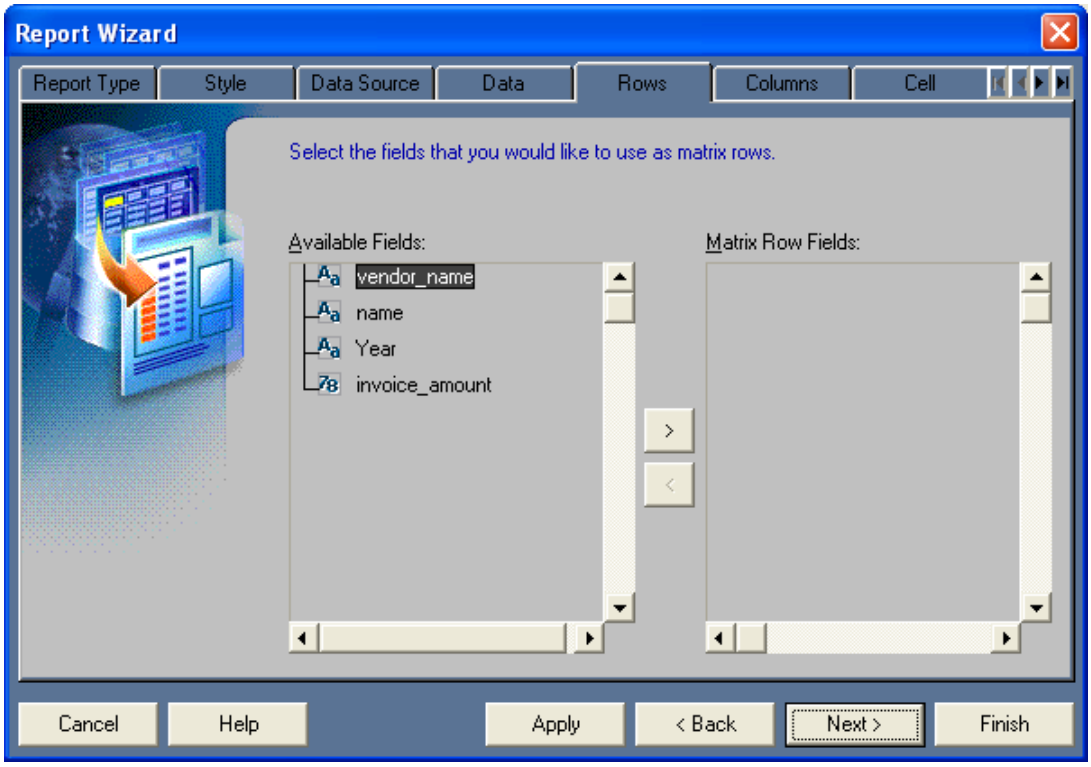


Select the datasource as Query. Click ‘Next’.

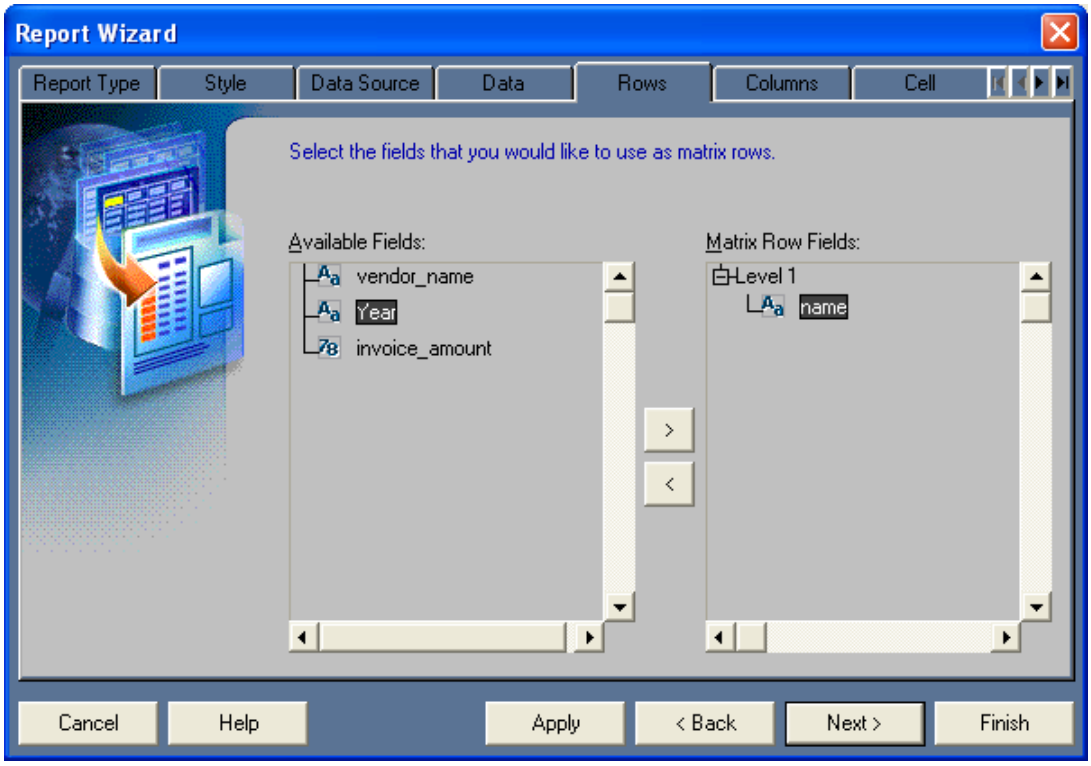
Use the following query and Click ‘Next’:

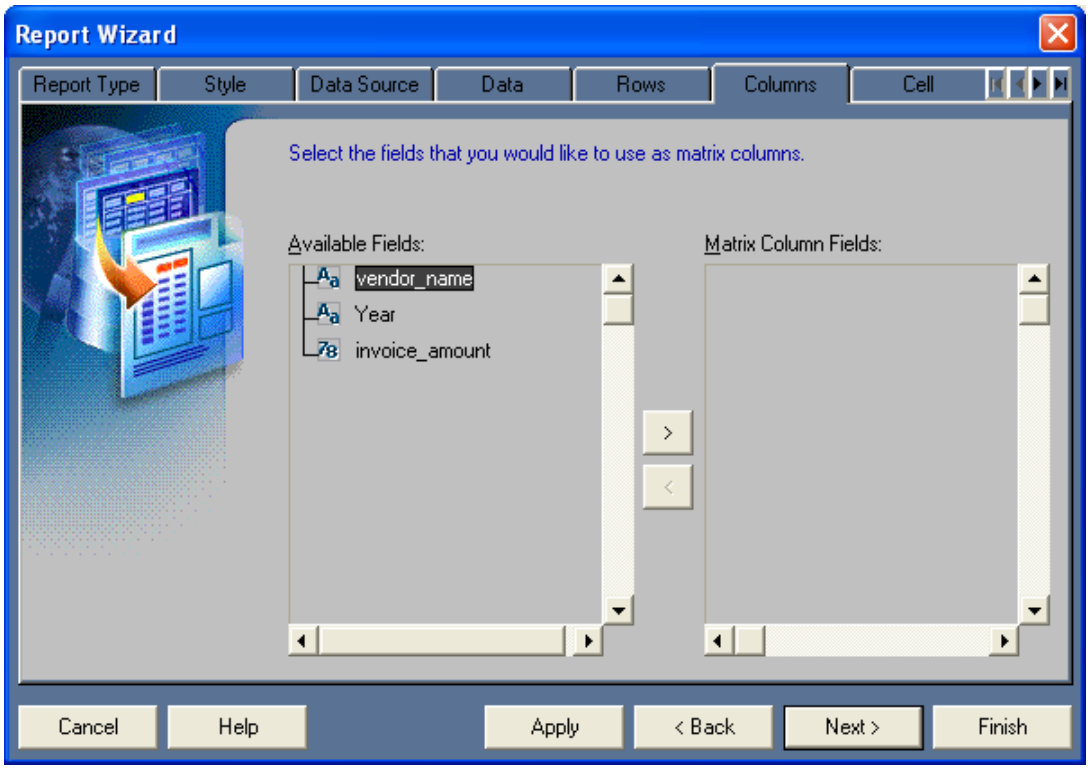
```
SELECT AS1.vendor_name
          ,HAOU.name
          ,TO_CHAR(AIA.invoice_date,'RRRR') Year
          ,AIA.invoice_amount
FROM   ap_invoices_all AIA
          ,hr_all_organization_units HAOU
          ,ap_suppliers AS1
WHERE  AIA.org_id    = HAOU.organization_id
AND       AIA.vendor_id = AS1.vendor_id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

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



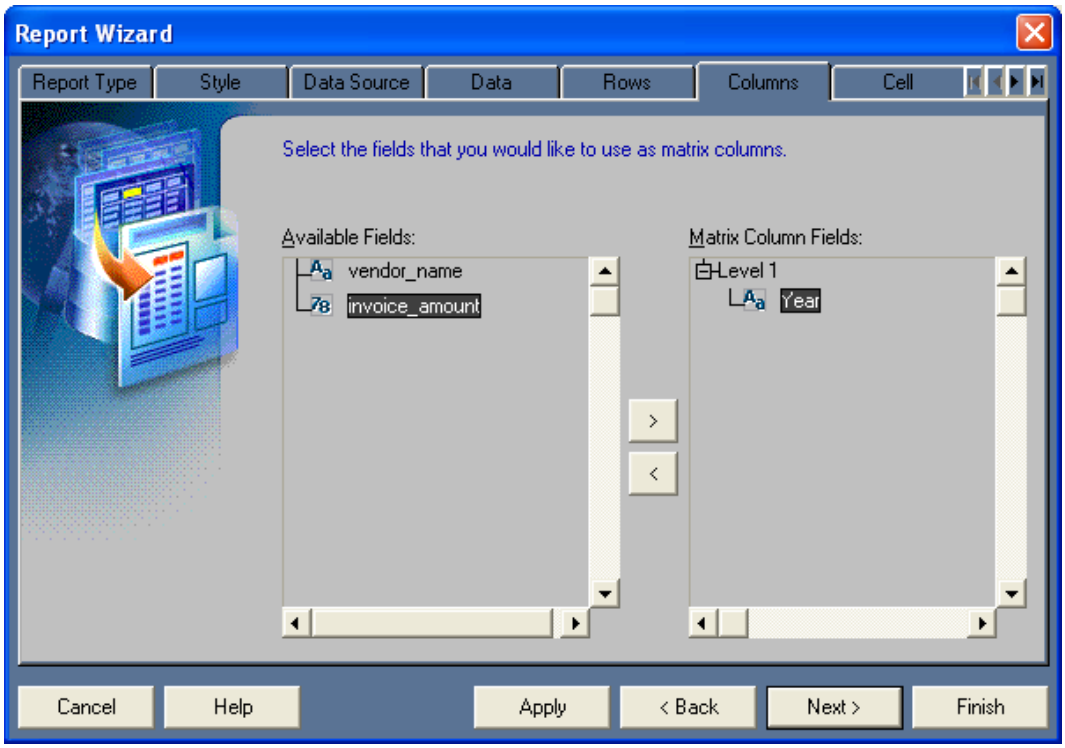
The ‘Matrix Row Fields’ area shows the columns that will be displayed as the Row in the Matirx report. Click on the > < arrows to move columns to and from Matrix Row Fields. Select the following columns based on requirement. Click ‘Next’

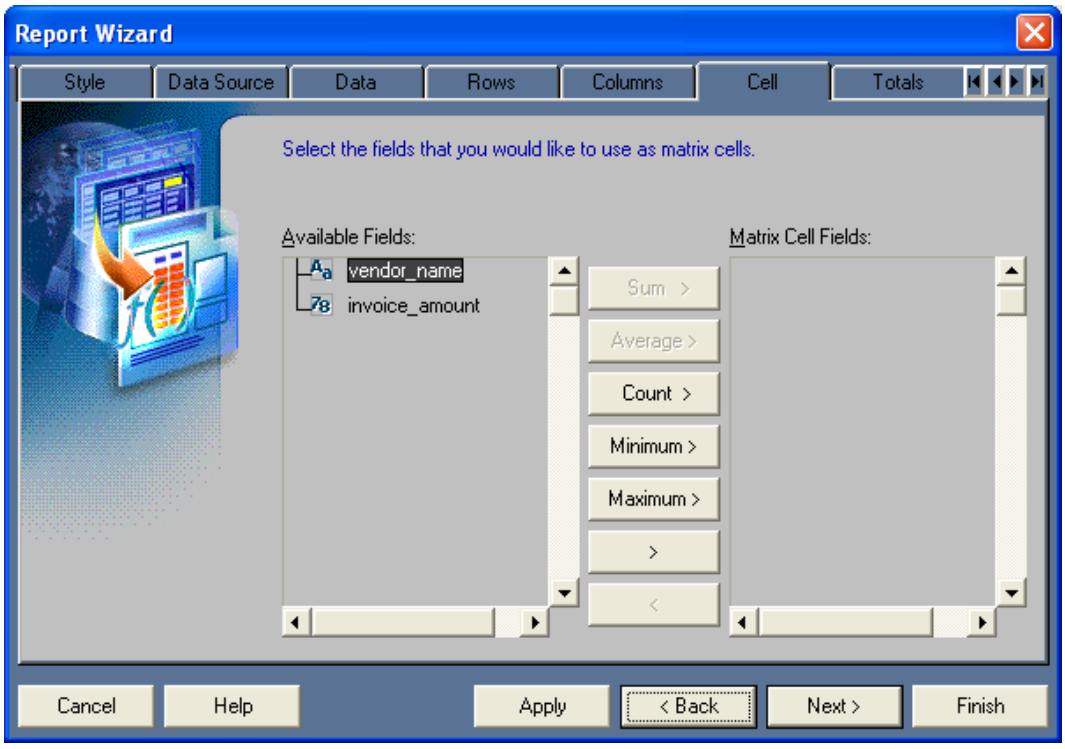




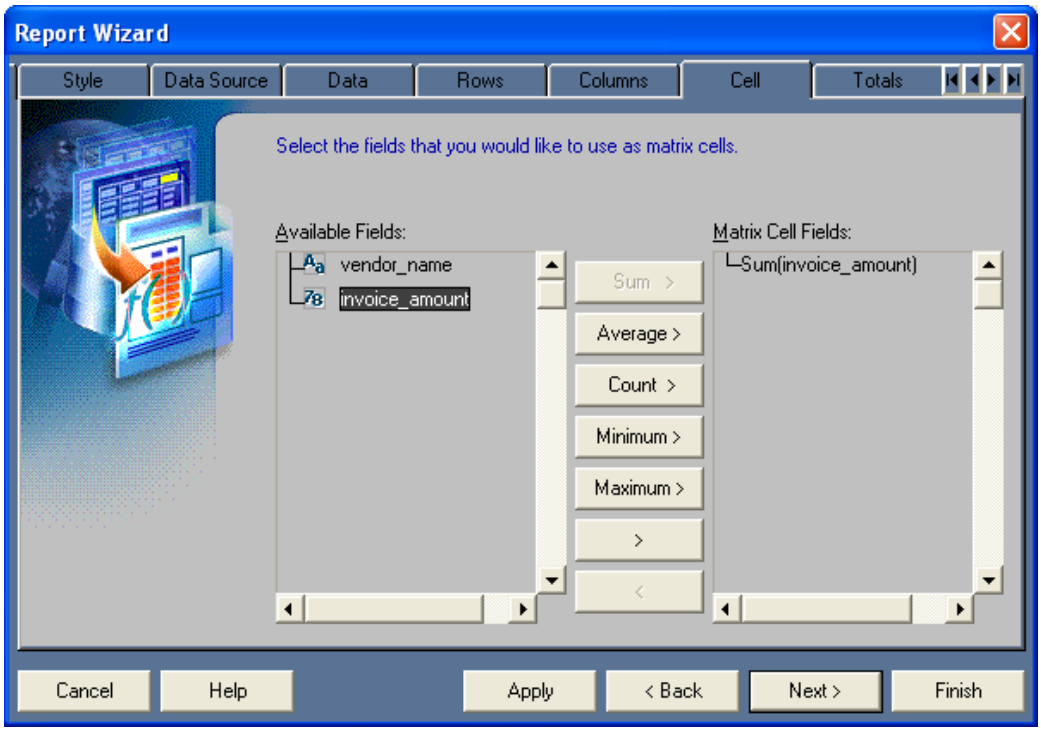
The 'Matrix Column Fields' area shows the columns that will be displayed as the Column in the Matrix report. Click on the > < arrows to move columns to and

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



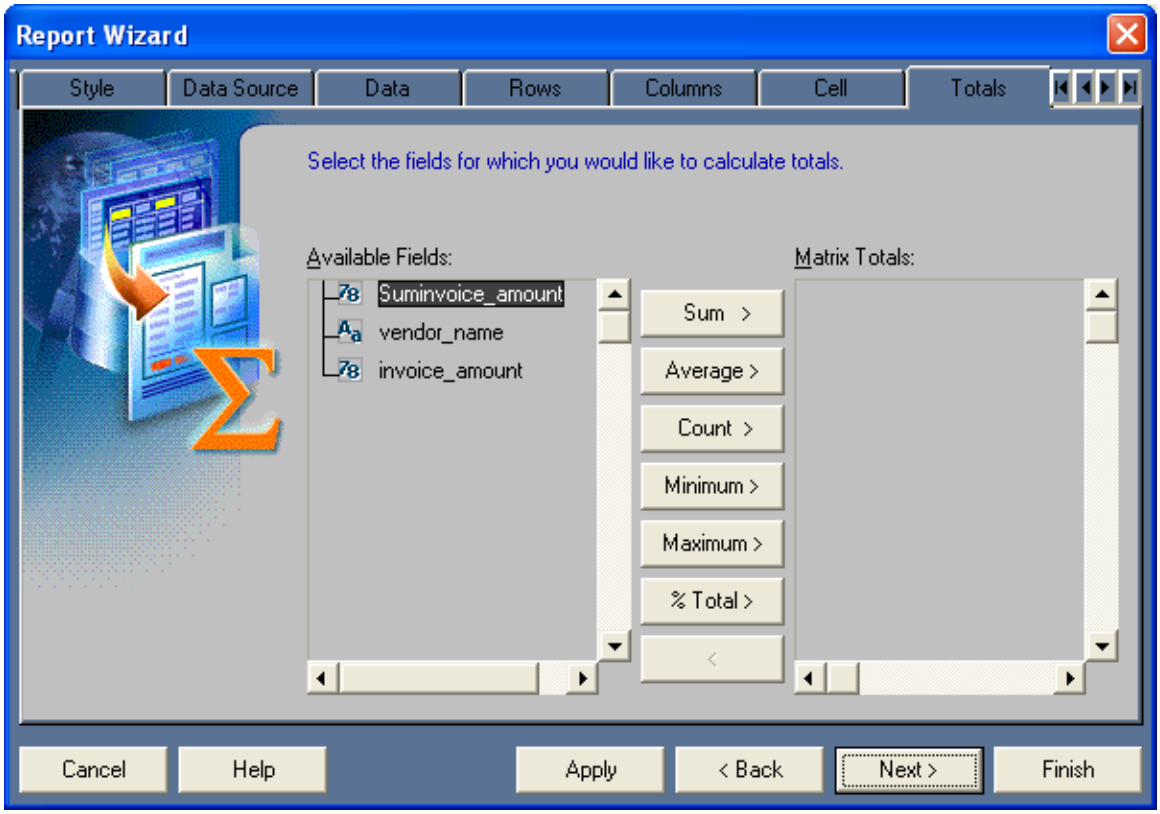


The 'Matrix Cell Fields' area shows the columns that will be displayed as the Cells in the Matrix report. Click on the > < arrows to move columns to and from Matrix Cell Fields. Select the following columns based on requirement. Click 'Next'

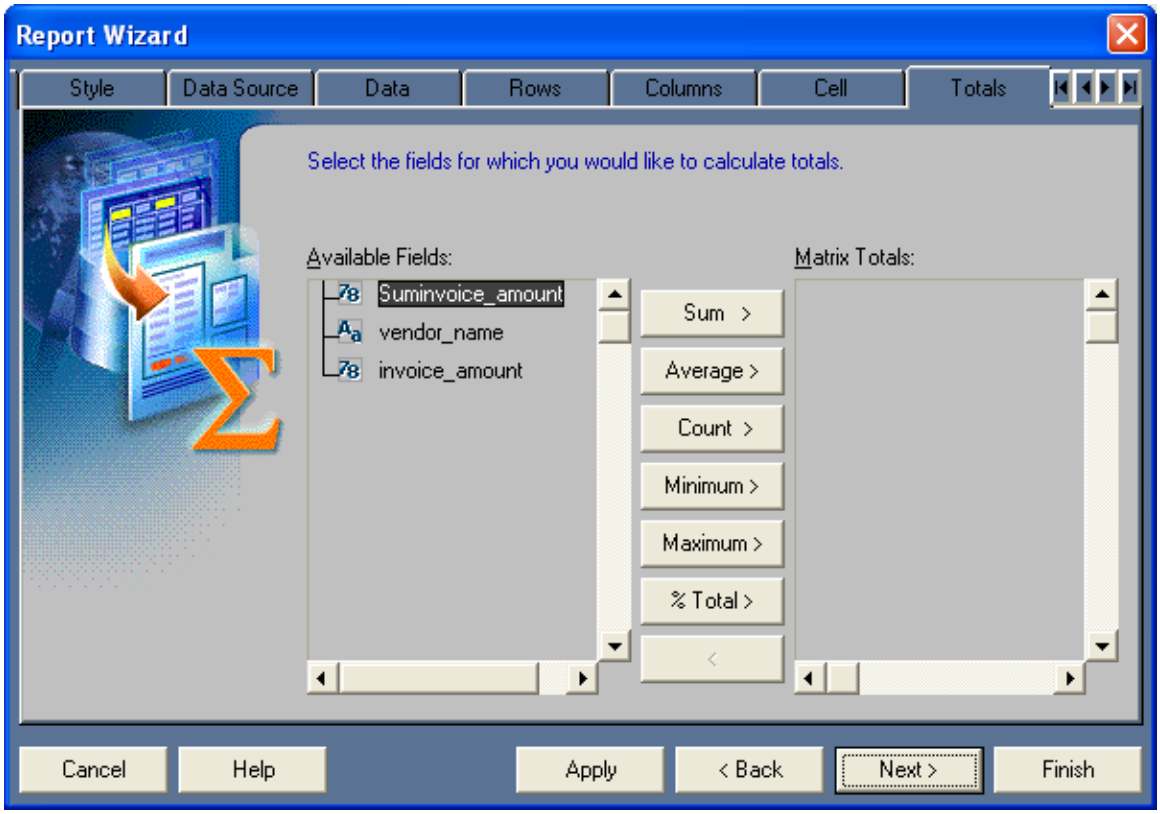


As per the requirement, we need to display the sum of all Invoices, so we select the invoice_amount column and press Sum >.

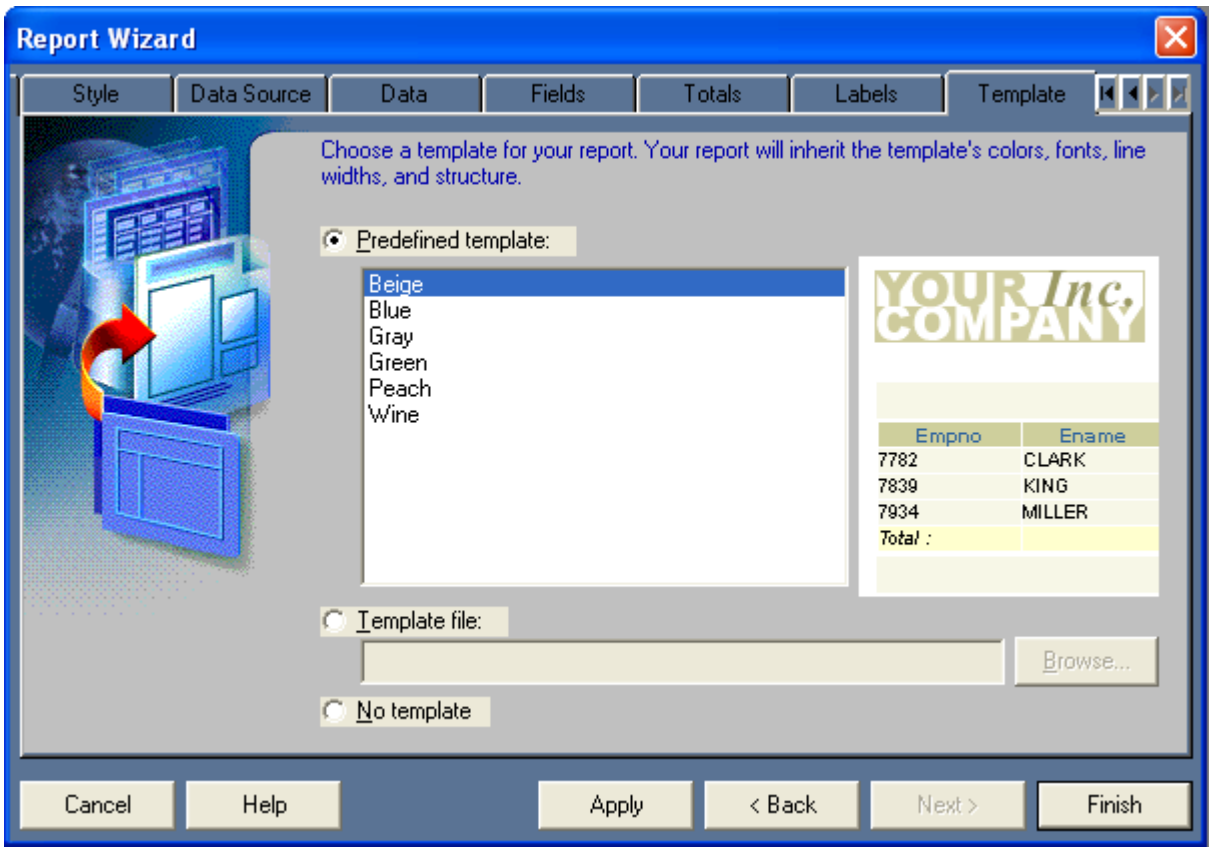
4. Next screen displays the Total columns that can be included in the Matrix report. We are not including any Totals for this report. Click 'Next'



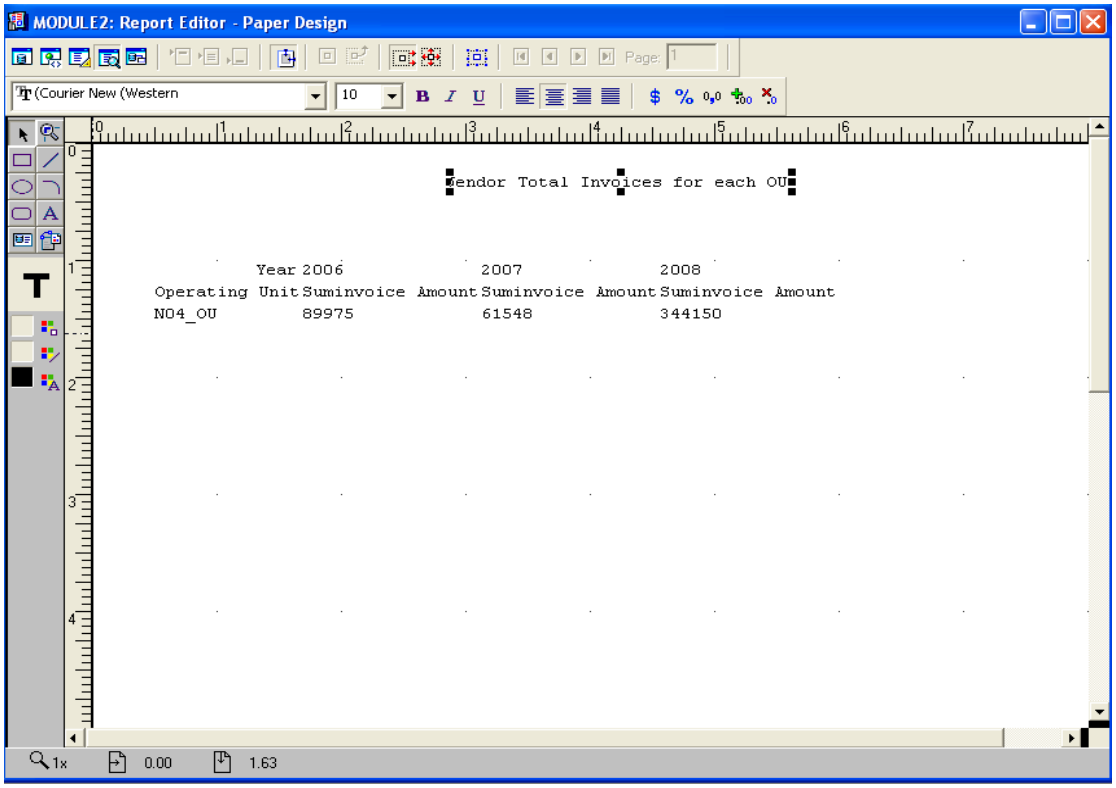
5. Next screen displays the Field width assigned to each column in the layout. We can also change the column label to be displayed.



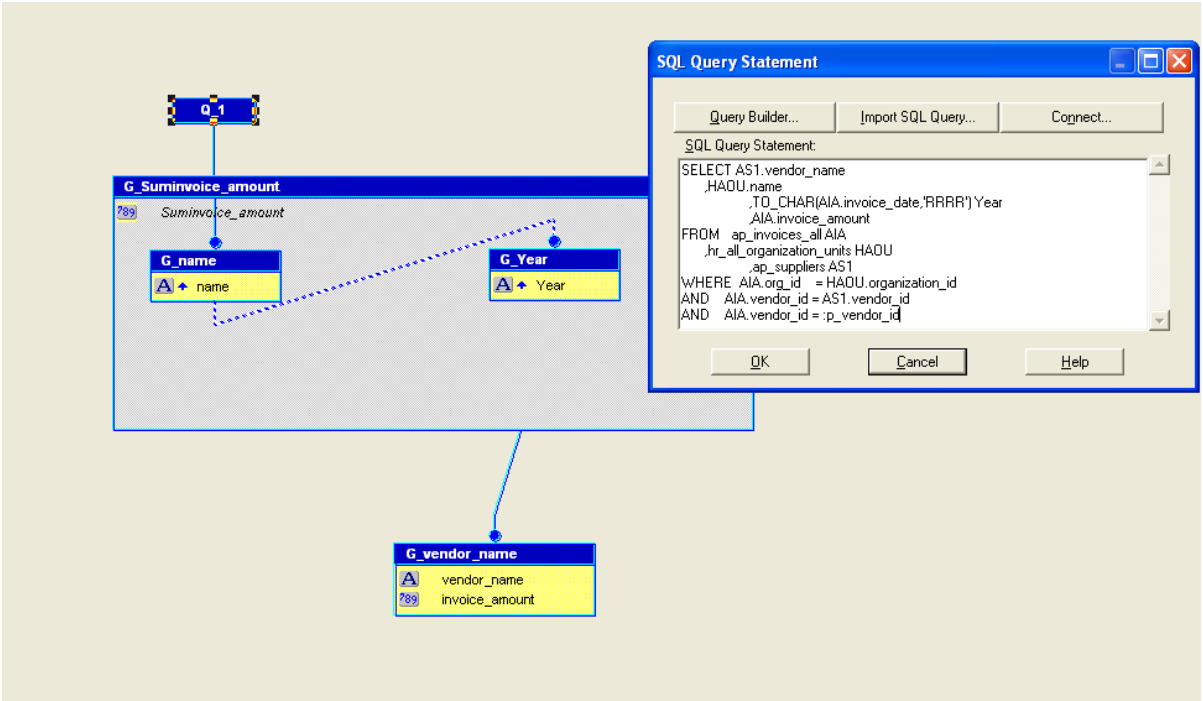
6. Next screen gives choice to choose the theme for the report to be displayed. Select as 'No template'. Click 'Finish'.



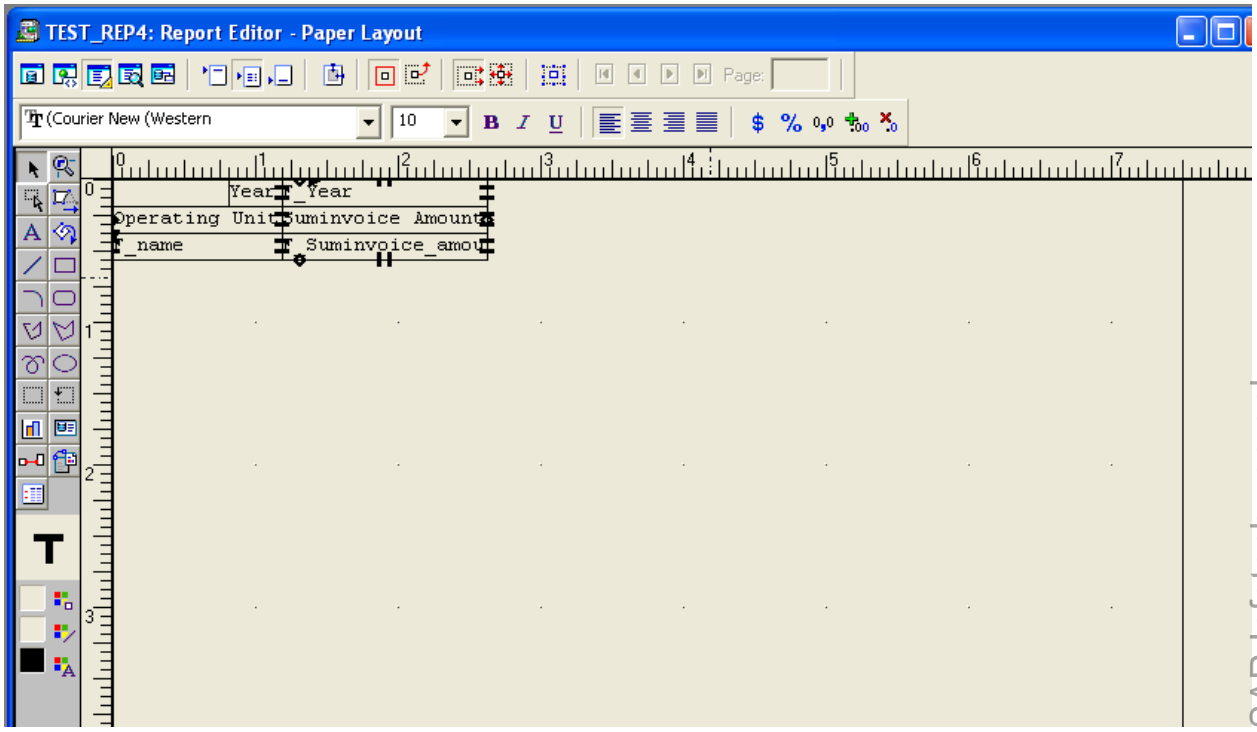
On click of 'Finish' Button, report editor opens and displays the paper design of how the report will be displayed.



We can always go to 'Report Wizard' and modify a particular tab accordingly. In the figure, Q_1 signifies the query

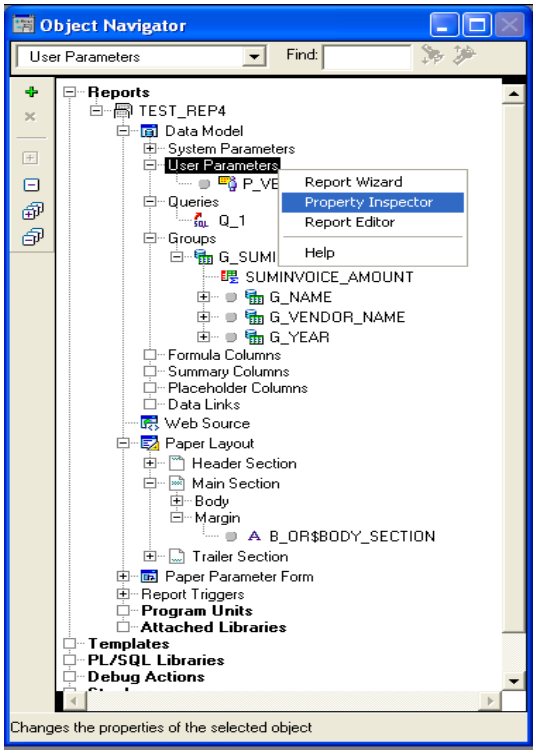


The paper layout is created as:



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)

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 Operations	386567	29584

Case 5

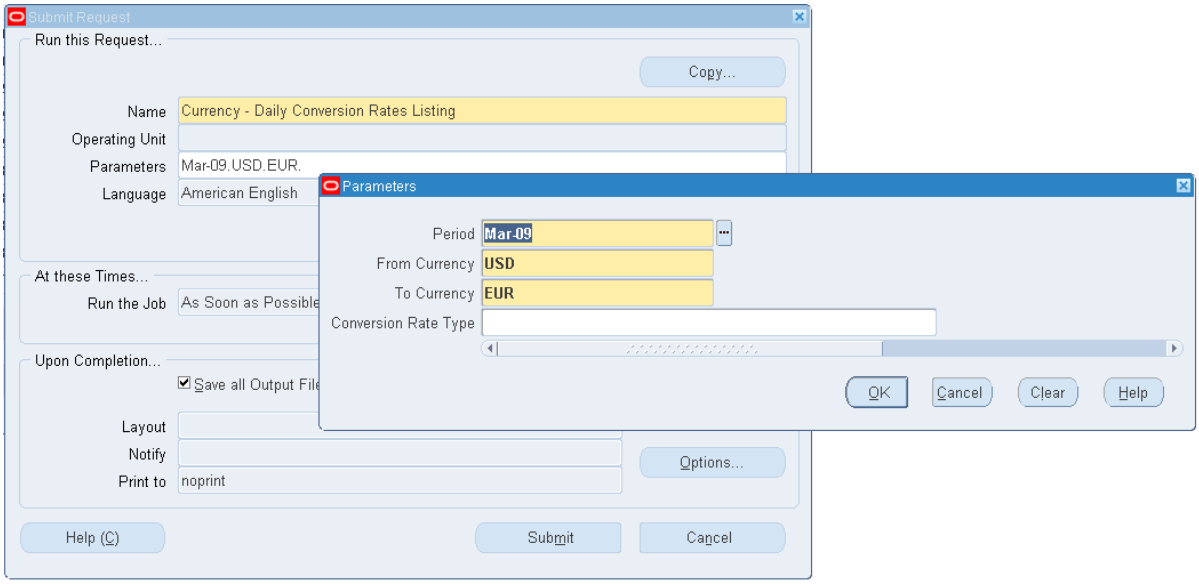
Standard GL Report Customization

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

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

From Currency: USD
To Currency: EUR

Rate Type	Date	USD to EUR	EUR to USD
Corporate	01-MAR-09	.782	1.278772378516624040920 7
Corporate	02-MAR-09	.782	1.278772378516624040920 7
Corporate	03-MAR-09	.782	1.278772378516624040920 7
Corporate	04-MAR-09	.782	1.278772378516624040920 7
Corporate	05-MAR-09	.782	1.278772378516624040920 7
Corporate	06-MAR-09	.782	1.278772378516624040920 7
Corporate	07-MAR-09	.782	1.278772378516624040920 7
Corporate	08-MAR-09	.782	1.278772378516624040920 7
Corporate	09-MAR-09	.782	1.278772378516624040920 7
Corporate	10-MAR-09	.782	1.278772378516624040920 7
Corporate	11-MAR-09	.782	1.278772378516624040920 7
Corporate	12-MAR-09	.782	1.278772378516624040920 7
Corporate	13-MAR-09	.782	1.278772378516624040920 7
Corporate	14-MAR-09	.782	1.278772378516624040920 7
Corporate	15-MAR-09	.782	1.278772378516624040920 7
Corporate	16-MAR-09	.782	1.278772378516624040920 7
Corporate	17-MAR-09	.782	1.278772378516624040920 7
Corporate	18-MAR-09	.782	1.278772378516624040920 7
Corporate	19-MAR-09	.782	1.278772378516624040920 7
Corporate	20-MAR-09	.782	1.278772378516624040920 7
Corporate	21-MAR-09	.782	1.278772378516624040920 7
Corporate	22-MAR-09	.782	1.278772378516624040920 7

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

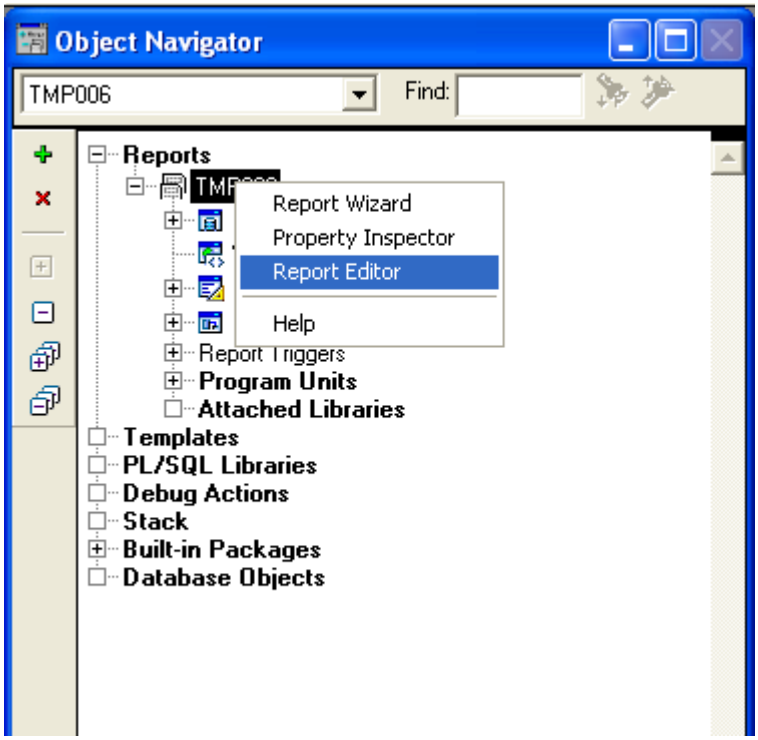
From Currency	To Currency	Rate Type	Date	Conversion Rate	Inverse Conversion Rate
USD	EUR	Corporate	19-MAR-09	.782	1.278772378516624040920 7
USD	THB	Corporate	19-MAR-09	39.9840063974410235905 64	.02501
USD	TWD	Corporate	19-MAR-09	31.34961	.031898323456017475177 52
USD	CNY	Corporate	19-MAR-09	8.266512358435975861783 9	.12097
USD	TWD	Reporting	19-MAR-09	31.34111	.031906974577479865901 37
USD	EUR	Reporting	19-MAR-09	.763	1.310615989515072083879 4
USD	THB	Reporting	19-MAR-09	38.461538461538461538462	.026
USD	CNY	Reporting	19-MAR-09	8.264462809917355371900 8	.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

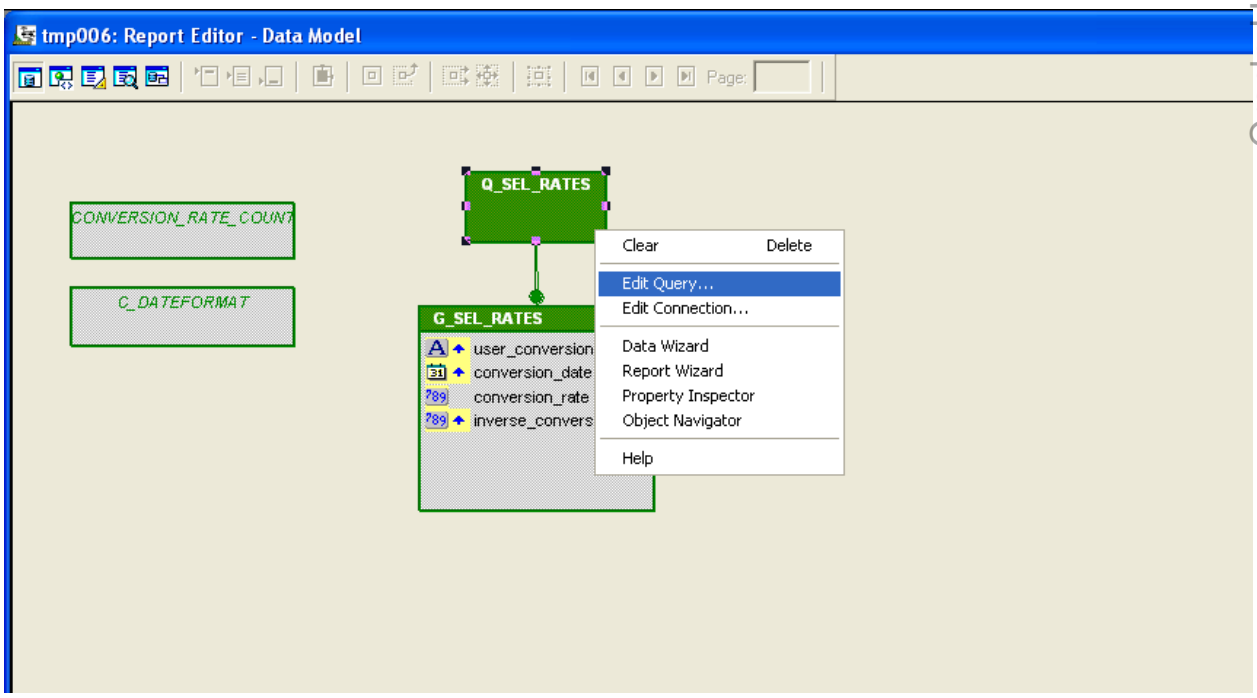
2. Open Reports Developer> Report builder. Open the standard Report

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
```

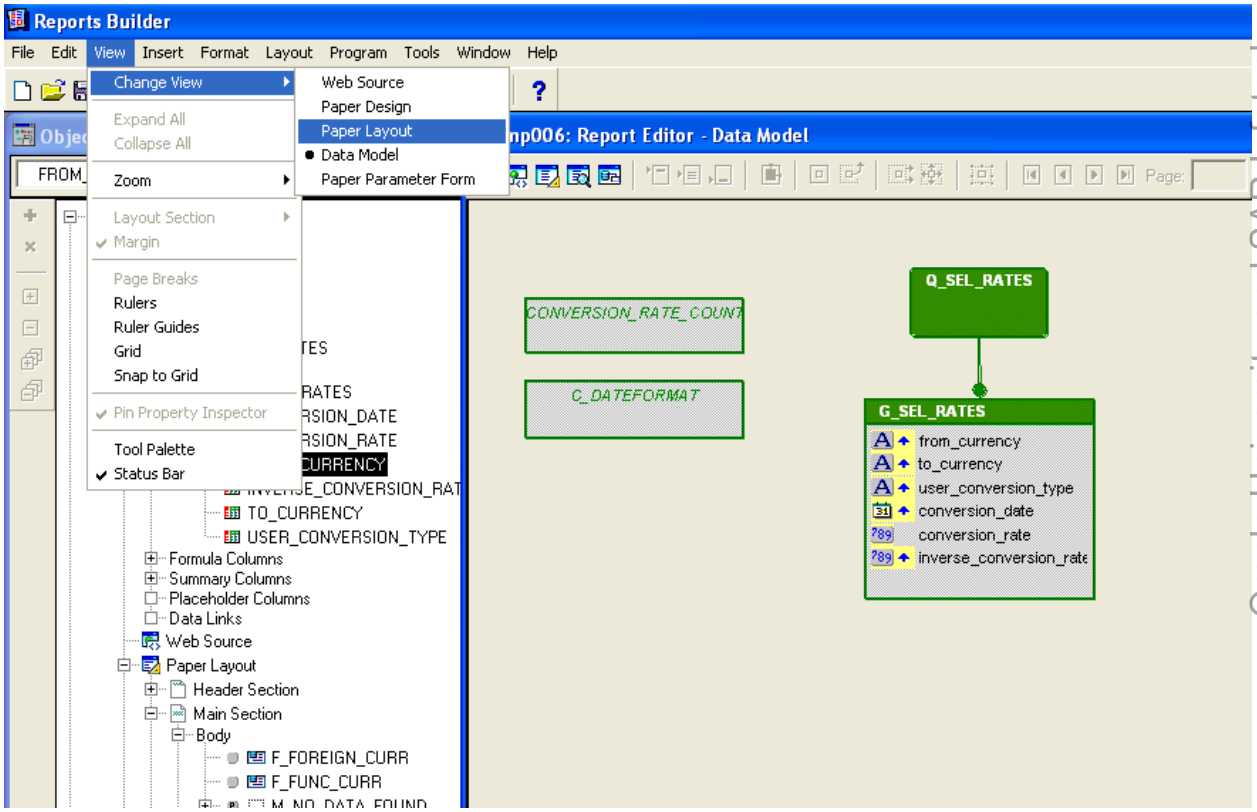
As our requirement is to fix the ‘From Currency’ to USD, ‘Date’ to SYSDATE and to run the report for all Conversion Types, We modify the existing Query as follows-

```
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
```

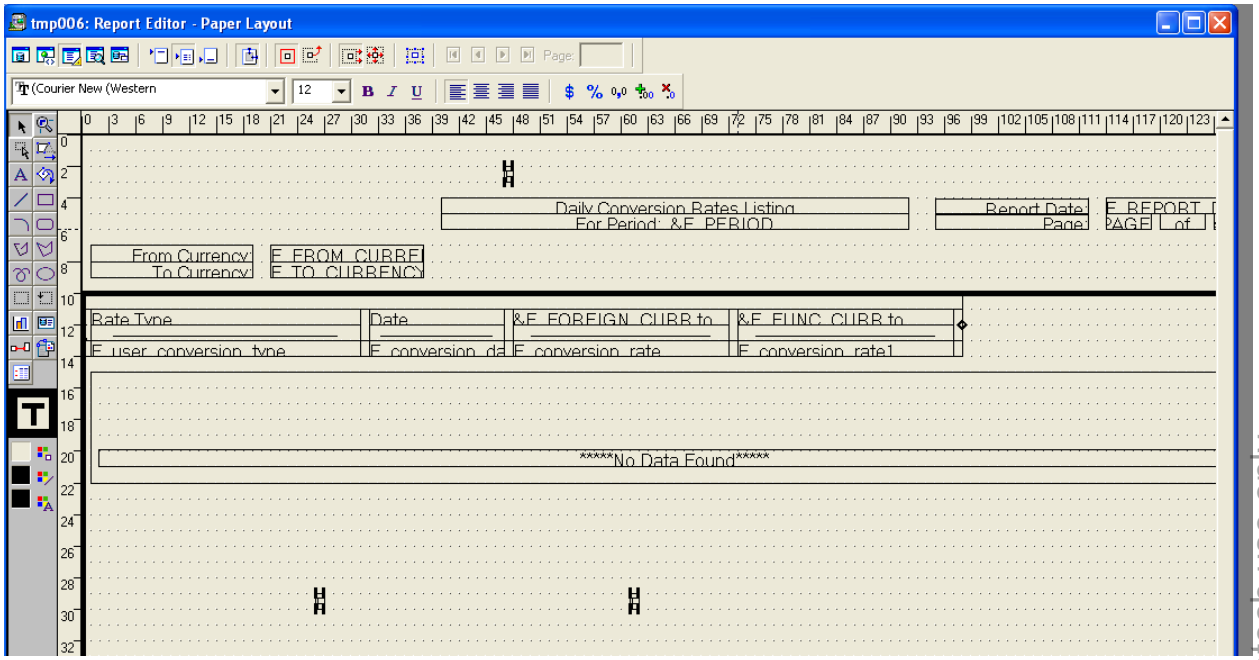
```
AND        r2.conversion_date = r.conversion_date
AND        r2.conversion_type = r.conversion_type
AND       decode(ct.security_flag, 'Y', decode(fnd_data_security.check_function(1.0,
'GL_DAS_RATE_TYPES_V', 'GL_DAS_RATE_TYPES', ct.conversion_type, null,
null, null, null, fnd_global.user_name), 'T',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

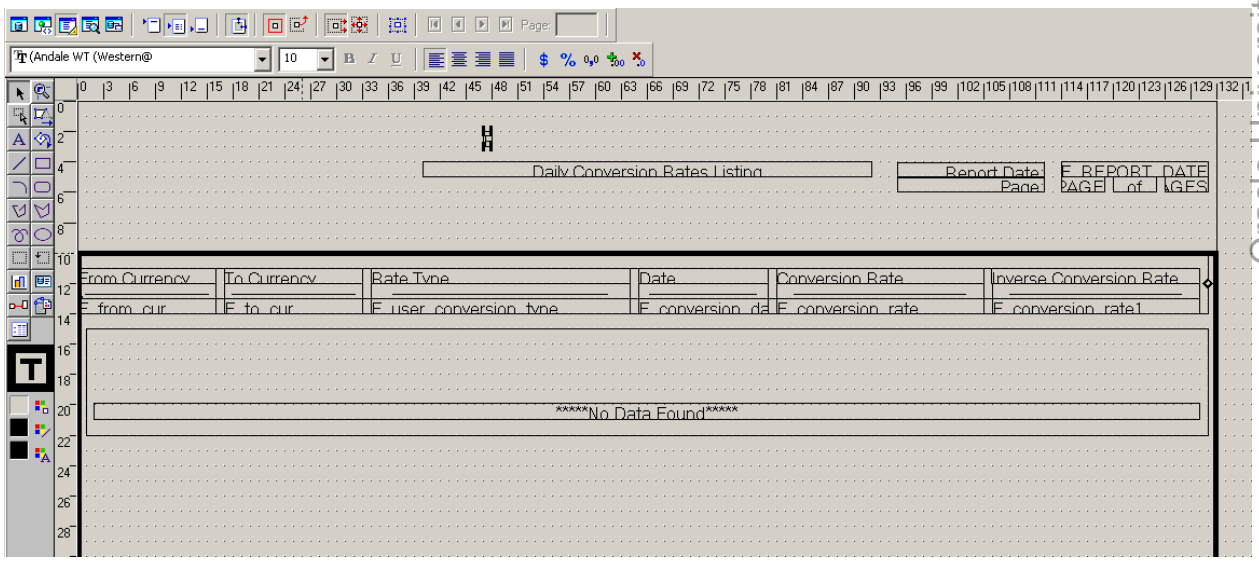
5. Now go to the Layout of the report by clicking on View -> Change View -> Paper Layout



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-



6. 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)

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	.031898323456017475177 52
USD	CNY	Corporate	19-MAR-09	8.266512358435975861 7839	.12097
USD	TWD	Reporting	19-MAR-09	31.34111	.031906974577479865901 37
USD	EUR	Reporting	19-MAR-09	.763	1.310615989515072083879 4
USD	THB	Reporting	19-MAR-09	38.461538461538461538462	.026
USD	CNY	Reporting	19-MAR-09	8.2644628099173553719008	.121