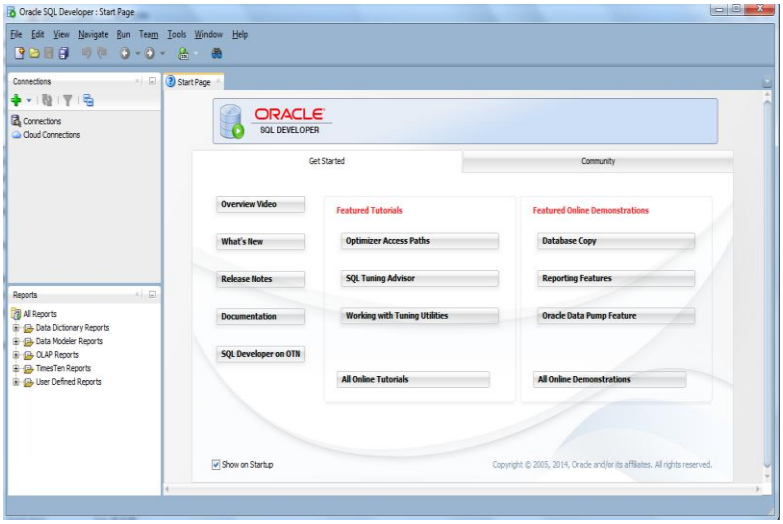
Workshop 5 - Oracle SQL Developer Data Modeler Reports

Open the SQL Developer

From **Start** ------->**Databases**------->**sqldeveloper (click on sqldeveloper)**

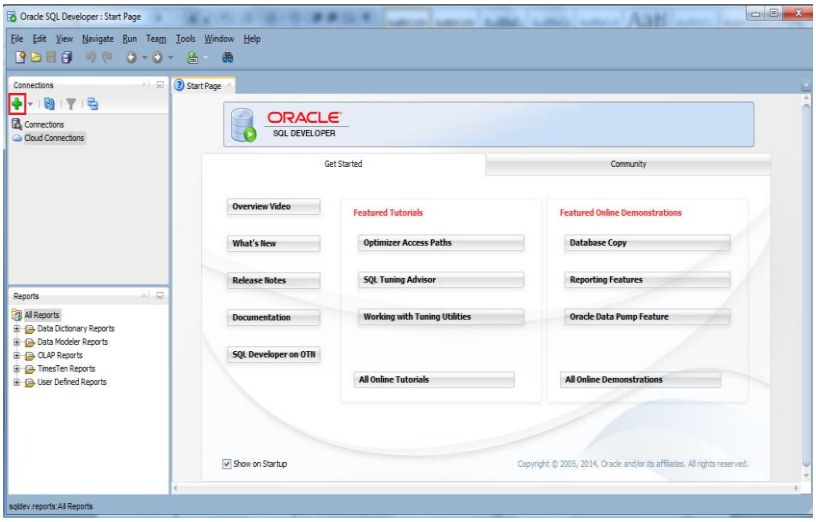
You will see following startup screen after opening the SQL Developer



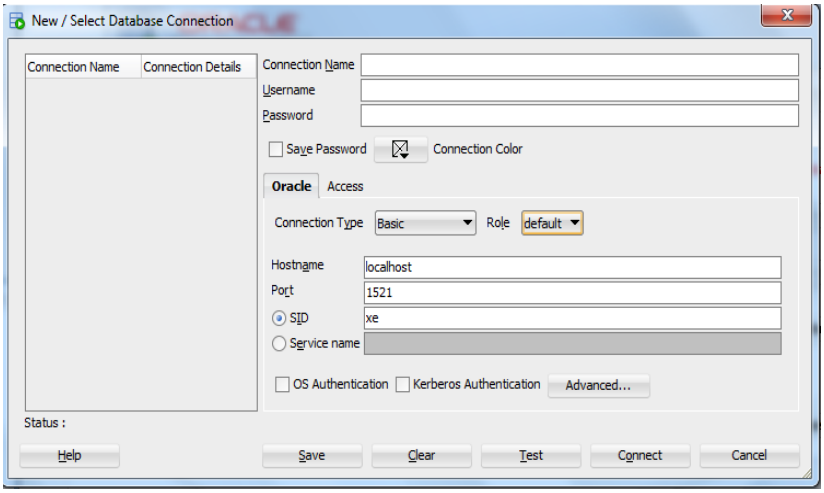
Create a new database connection

A **connection** is a SQL Developer object that specifies the necessary information for connecting to a specific database as a specific user of that database. You must have at least one database connection (existing, created, or imported) to use SQL Developer.

Click on plus green button  **to create a New connection**



You will see following screen



Enter following information

Connection Name: *(Londonmet)*

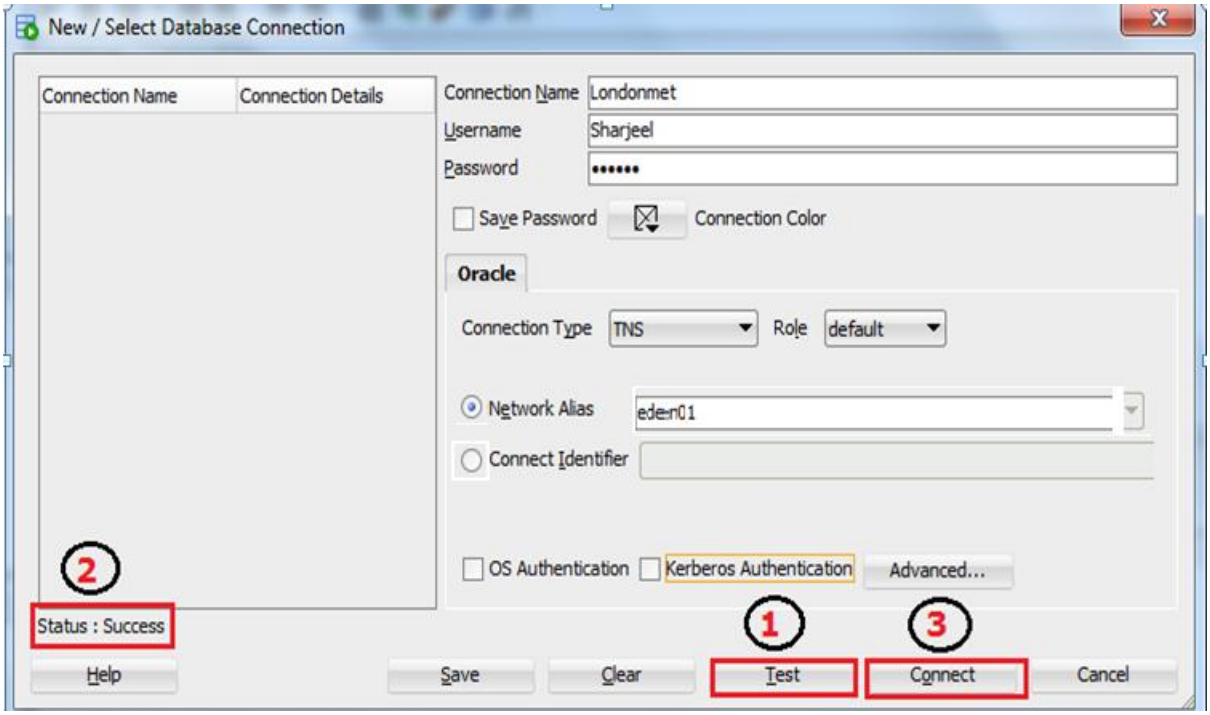
Username : *(enter your username)*

Connection Type : *(TNS)* *-----select from given options*

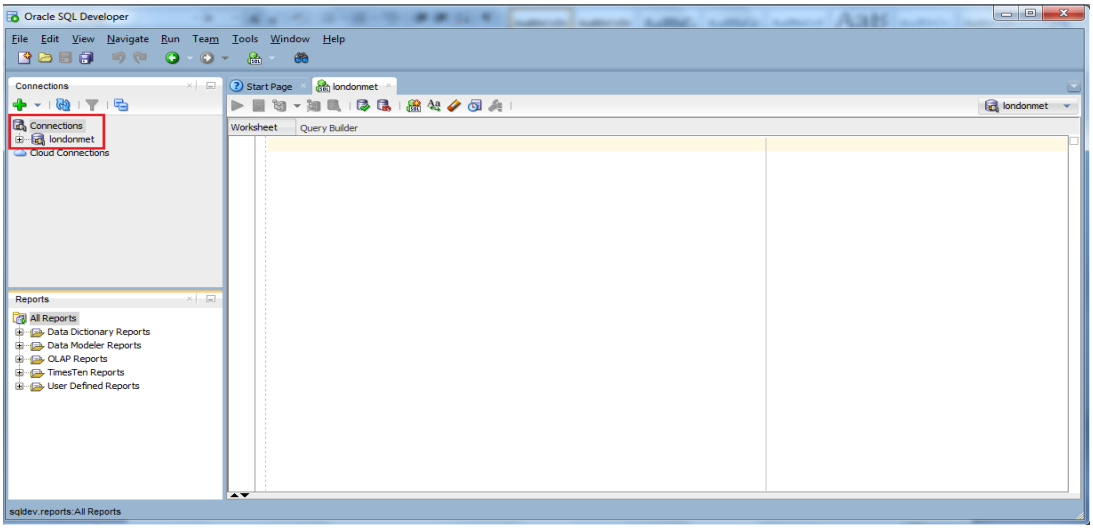
Network Alias: *eden01*

and first click on **test** to test the connection. You will see **Status : Success** in left bottom if all credentials are correct then click on **connect** to connect with database

Reminder: You have to enter **your** username and password



You will see following screen after successful connection

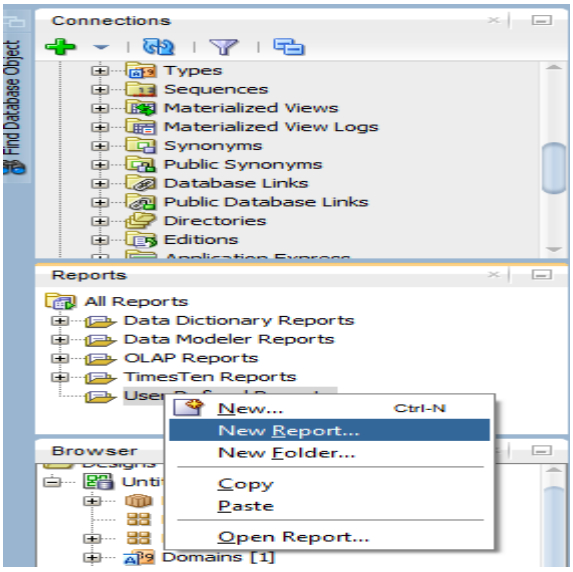


Reports

Oracle SQL Developer reports enable you to view information about (and information stored in) Oracle Database. In addition to the standard database reports offered in SQL Developer, you can create your own reports.

To display reports, click the Reports tab on the left side of the window. If this tab is not visible, select **View** and then **Reports**.

Right click on **User Defined Reports** and Select **New Report** under **Reports** section



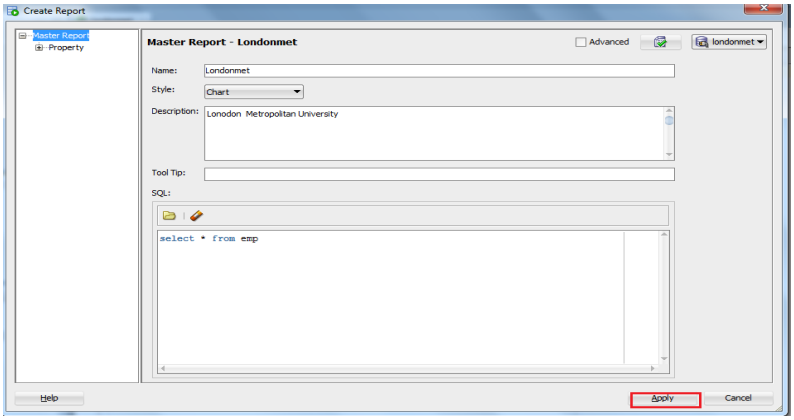
Enter following information to generate a report.

Name: Londonmet

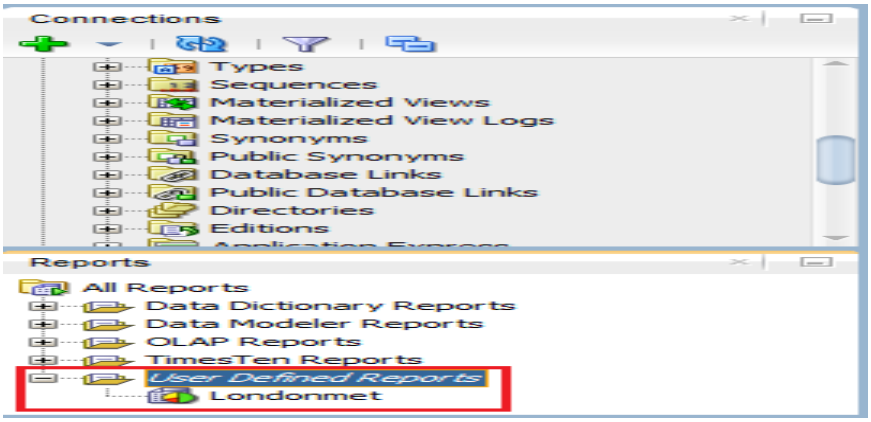
Style : Chart (select from different options)

SQL: Write a query (report will be generated based on query)

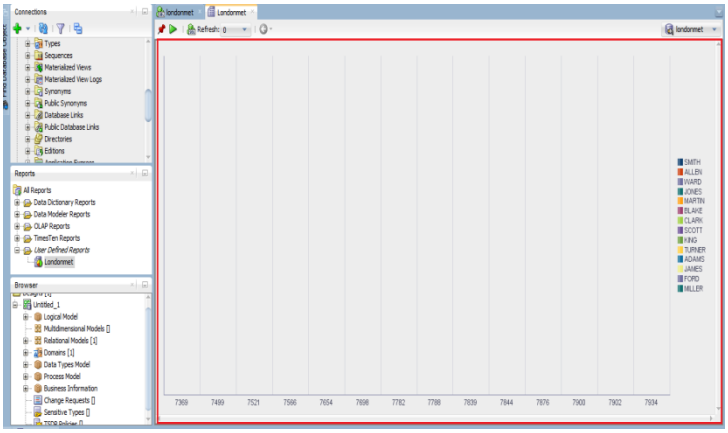
Then click **apply**



New genrated report,**Londonmet**, icon can be seen under ***User Defined Reports***



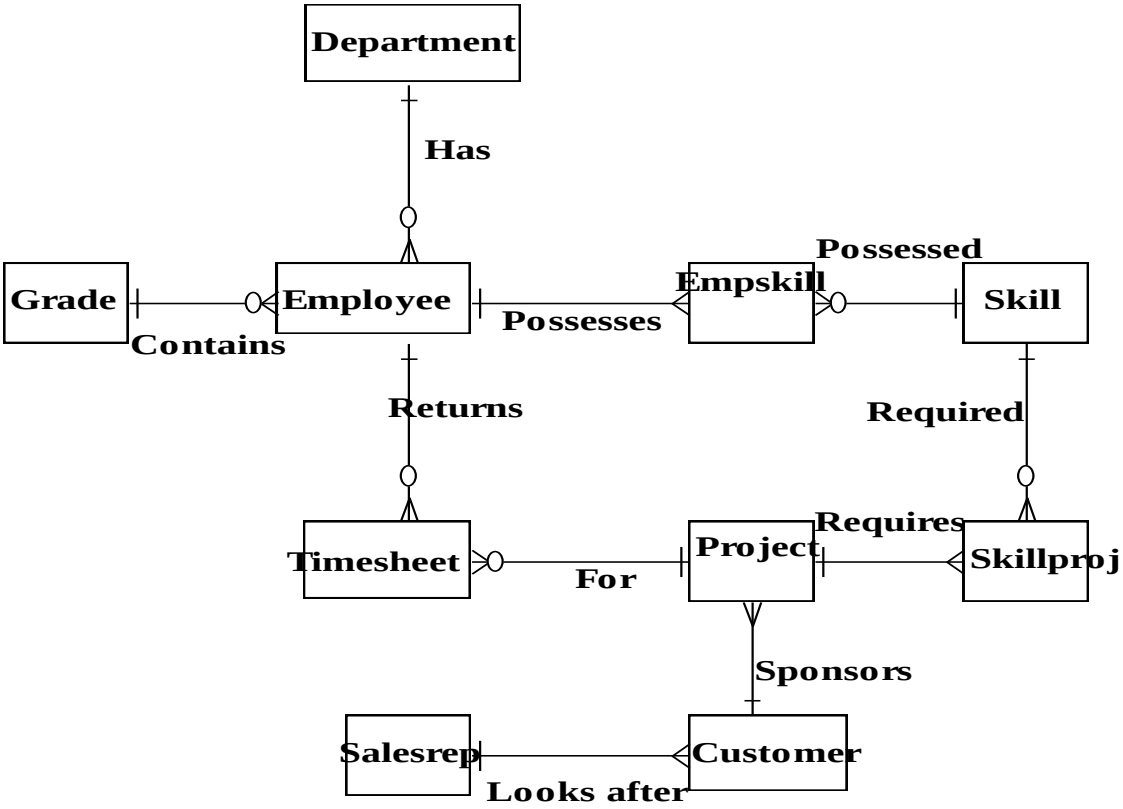
Double click on Londonmet to view a generated report



Case Study:

First understand the following ERD then implement into Oracle SQL Developer Data Modeler and create:

1. Logical model (ERD)
2. Generate DDL
3. Run generated DDL into SQL developer to create Tables
4. Insert data into tables (up to 10 records)
5. Generate Reports
6. Save your work



Projcont Database

Table	Attributes
Department	**(Dptno,Department)**
Employee	**(Empno,Dptno,Grade,Employee)**
Grade	**(Grade,Title,Salary)**
Timesheet	**(Weekno,Empno,Projno,Hours)**
Empskill	**(Empno, Skillno)**
Skill	**(Skillno,Skill)**
Skillproj	**(Skillno,Projno)**
Project	**(Projno,Custno,Start,Finish,Project)**
Customer	**(Custno,Customer,City,Repno)**
Salesrep	**(Repno,Repname)**