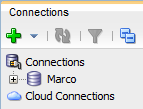
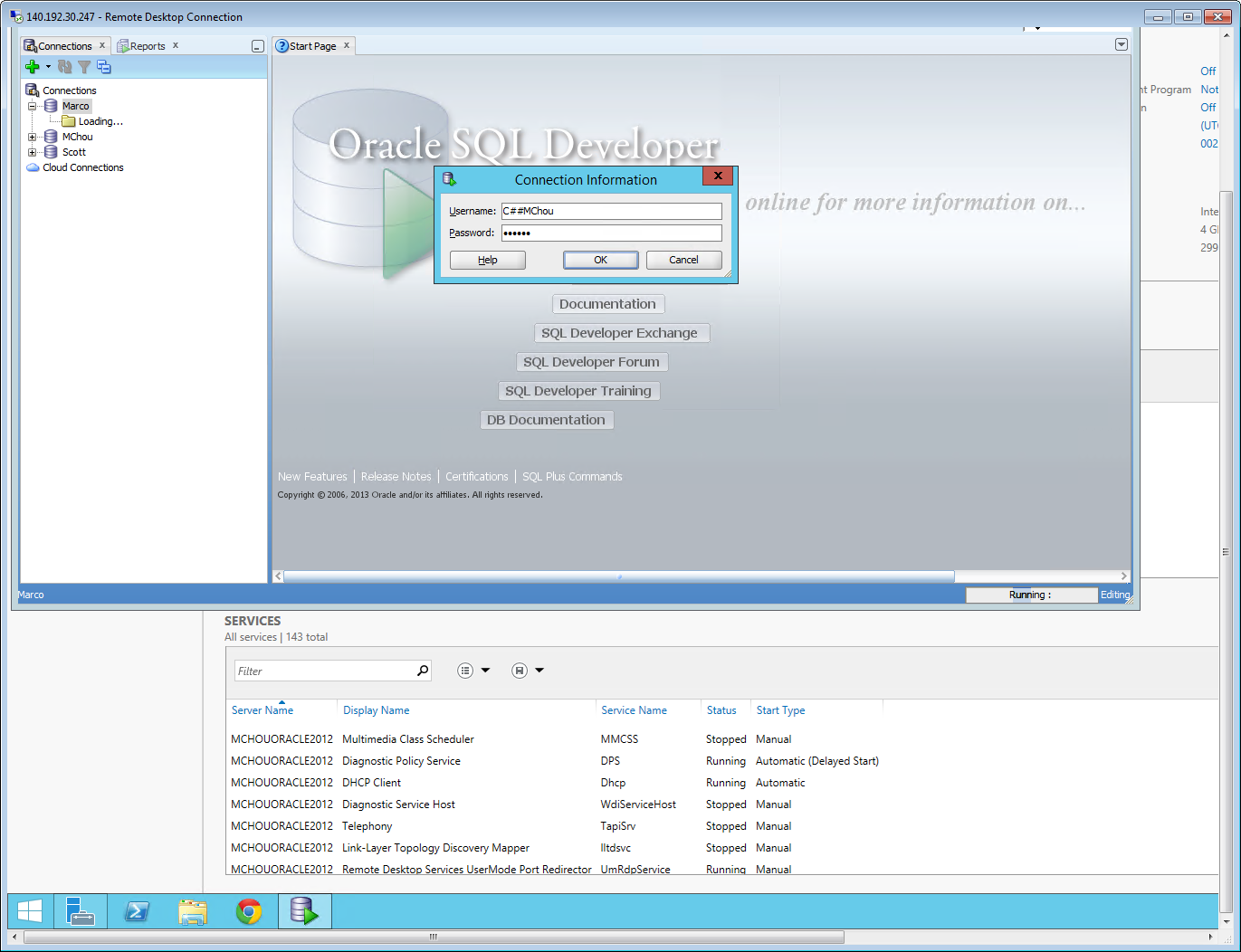
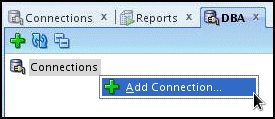
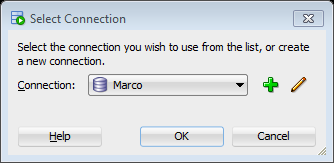
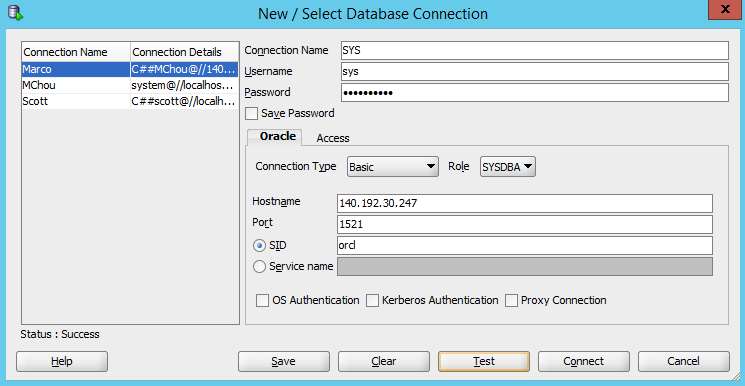
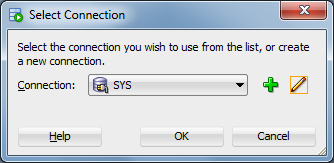
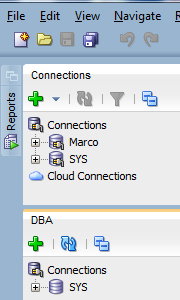
**CSC554 Lab#3 Oracle 12c Pluggable Database**

## Setting up the Environment

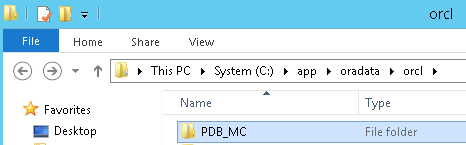
1. Open Oracle SQL Developer by clicking the SQL Developer desktop icon.  
   
2. The **Oracle SQL Developer** window is displayed with your own connection based on lab#1.  
     
     
   

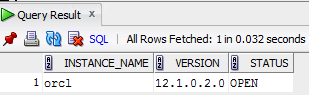
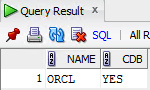
### Adding a Connection to the DBA Navigator. In SQL Developer, the DBA Navigator enables you to perform full administration of container databases and pluggable databases. Select ****View** > **DBA****. http://www.oracle.com/webfolder/technetwork/tutorials/obe/db/12c/r1/12c_sqldev/pdb/images/t10106.jpg

1. On the **DBA** tab, right-click **Connections** and select **Add Connection**.  
   
2. In the **Select Connection** dialog box, click the **pencil** icon.  
   
3. Enter the following information and then click **Test** to make sure you enter all the information correctlyConnection Name: **SYS**  
   Username: **sys**  
   Password: **DePaul2015** *(note: case sensitive)*  
   Role: **SYSDBA**Hostname: **140.192.30.247**Port: **1521**  
   SID: **orcl  
   **
4. Click **Connect** and then OK.  
   
5. The **SYS** connection is added to the **DBA** Navigator.  
   

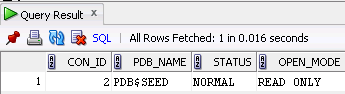
## B. Create a Pluggable Database

1. Create a new directory

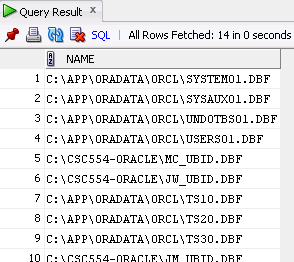


2. In the **DBA Navigator** of SQL Developer, click **SYS** connection and then use query to check the Oracle database name and version as follows.  
 Select instance\_name, version, status from v$instance;   
  
  
2. Verify the existing Container Database (**CDB**)  
 Select name, cdb from v$database;  
 

3. Verify the PDB status. You will see the original PDB called PDB$SEED as part of the Container Database.

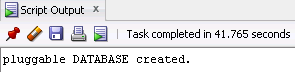
Select b.con\_id, a.pdb\_name, a.status, b.open\_mode from dba\_pdbs a, v$pdbs b where a.pdb\_name = b.name order by b.con\_id;  


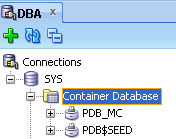
4. List all datafiles of PDB$SEED from the Container Database

Select name from v$datafile where con\_id=1;  


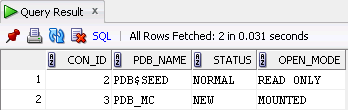
5. Create a new PDB for yourself as follows. Please replace MC by your initial.  
 CREATE PLUGGABLE DATABASE PDB\_MC ADMIN USER pdb\_mc identified by pdc\_mc

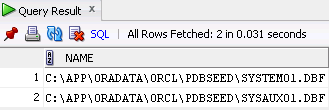
FILE\_NAME\_CONVERT=('C:\app\oradata\orcl\pdbseed\','C:\app\oradata\orcl\PDB\_MC\');

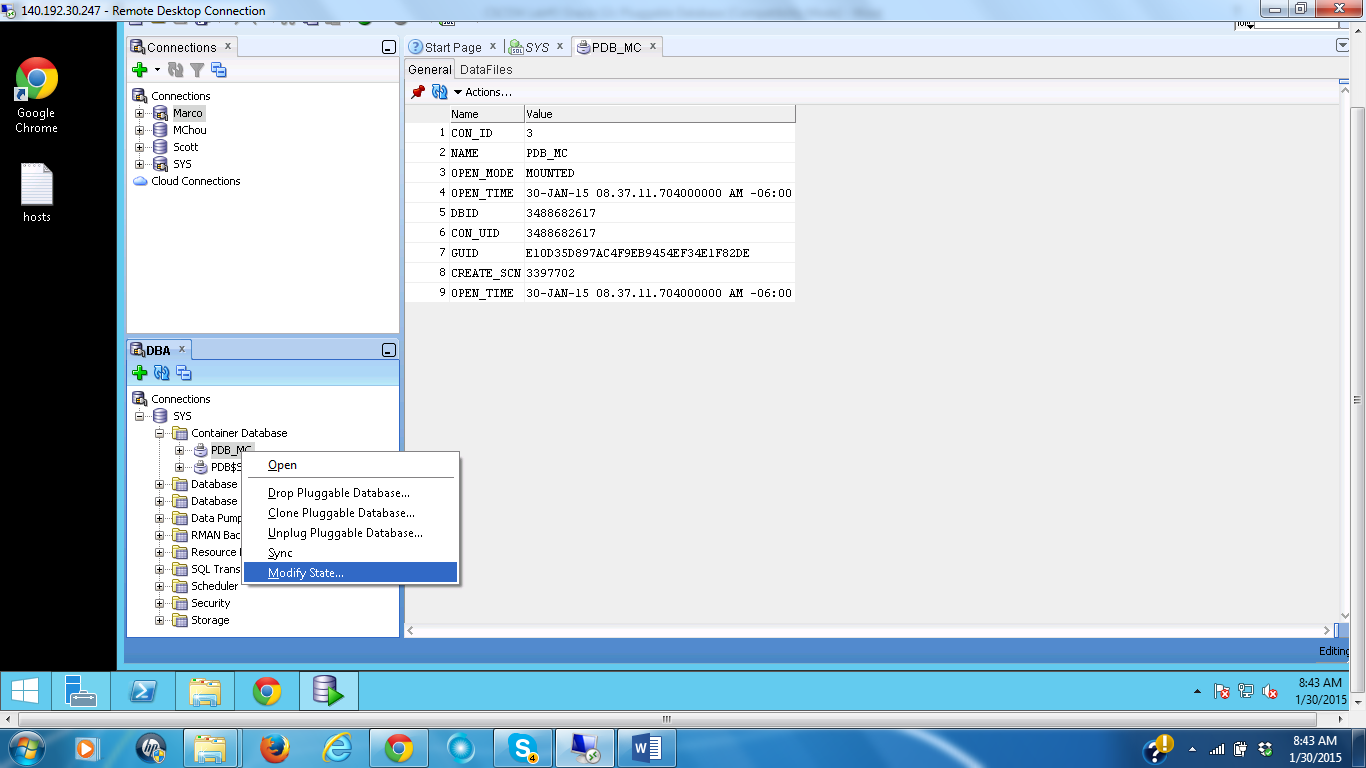


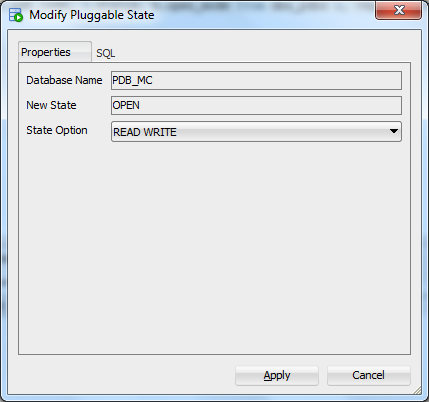
6. Open the **Container Database** under **SYS** of DBA Navigator. It has your own PDB, for example, PDB\_MC.   


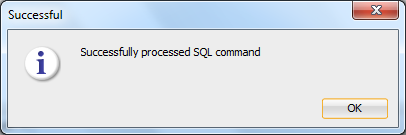
7. Verify the PDB status. Your PDB is new and in Mounted state.  
 Select b.con\_id, a.pdb\_name, a.status, b.open\_mode from dba\_pdbs a, v$pdbs b where  
 a.pdb\_name = b.name order by b.con\_id;



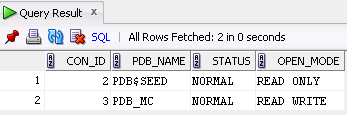
8. List your PDB datafiles from the Container Database  
Select name from v$datafile where con\_id=2;  


9. Your PDB is Mounted but not Open. You need to open it in order to use. So right click it and then choose **Modify State**.  


10. Verify the status and click **Apply**.  


11. You will receive a confirmation. Click **OK**.  


12. Verify the PDB status. It shows Normal and Read Write.   
Select b.con\_id, a.pdb\_name, a.status, b.open\_mode from dba\_pdbs a, v$pdbs b where a.pdb\_name = b.name order by b.con\_id;



13. Exit SQL Developer