

# THE ASSIGNMENT II OF PL/SQL || PLUGGABLE DATABASE

## 1. Overview of Tasks

This assignment focused on demonstrating proficiency in fundamental Oracle Database Administration (DBA) tasks within the Multitenant Architecture specifically involving the creation and management of Pluggable Databases (PDBs).

**The core objectives completed were:**

**1. Creation of a Primary Working PDB:** A new Pluggable Database, named IR\_pdb\_28007 (following the required format of FirstTwoLettersOfFirstName\_pdb\_StudentID), was successfully created. A dedicated user account, Prince\_piscglauca\_28007, was then provisioned within this PDB to serve as the storage location for all subsequent class work.

**2. PDB Life Cycle Management (Create and Delete):** A second temporary PDB, IR\_to\_delete\_pdb\_28007, was created to simulate a full PDB life cycle. Following its creation, this PDB was promptly and successfully deleted, demonstrating the ability to manage database resources by removing unneeded environments.

**3. Monitoring with Oracle Enterprise Manager (OEM):** To conclude the exercise, the Oracle Enterprise Manager (OEM) was configured and accessed. A final screenshot of the OEM dashboard was captured to provide a visual confirmation of the database status and management environment after the completion of the PDB creation and deletion tasks.

## Screenshots

!.creation

```
SQL> CREATE PLUGGABLE DATABASE pr_pdb_28007
  2 ADMIN USER prince_plsqlauca_28007 IDENTIFIED BY 123
  3 FILE_NAME_CONVERT=('C:\APP\RUGEROOLSEN\PRODUCT\21C\ORADATA\ORADATA\XE\PDBSEED\', 'C:\APP\RUGEROOLSEN\PRODUCT\21C\OR
ADATA\ORADATA\XE\pr_pdb_28007\');

Pluggable database created.
```

```
SQL> CREATE PLUGGABLE DATABASE pr_to_delete_pdb_28007
  2 ADMIN USER prince_plsqlauca_28007 IDENTIFIED BY 123
  3 FILE_NAME_CONVERT=('C:\APP\RUGEROOLSEN\PRODUCT\21C\ORADATA\ORADATA\XE\PDBSEED\', 'C:\APP\RUGEROOLSEN\PRODUCT\21C\OR
ADATA\ORADATA\XE\pr_to_delete_pdb_28007\');

Pluggable database created.

SQL> SHOW PDBS;

  CON_ID CON_NAME                                OPEN MODE  RESTRICTED
-----
  2 PDB$SEED                                     READ ONLY  NO
  3 XEPDB1                                       READ WRITE NO
  4 HO_PDB_27628                                MOUNTED
  5 PR_PDB_28007                                MOUNTED
  6 PR_TO_DELETE_PDB_28007                      MOUNTED
```

## 2. Creation of delete\_pdb

```
SQL> DROP PLUGGABLE DATABASE pr_to_delete_pdb_28007 INCLUDING DATAFILES;
Pluggable database dropped.

SQL> SHOW PDBS;

  CON_ID CON_NAME              OPEN MODE  RESTRICTED
-----
      2 PDB$SEED                   READ ONLY  NO
      3 XEPDB1                   READ WRITE NO
      4 HO_PDB_27628             MOUNTED
      5 PR_PDB_28007             MOUNTED

SQL>
```

3.Dashboard

