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Assignment II: Database Creation, Deletion & OEM

1: Create a New Pluggable Database (PDB)

Objective: Create a PDB for storing class work.

SQL Commands and CMD Output:

```
C:\Users\HP>sqlplus sys as sysdba

SQL*Plus: Release 21.0.0.0.0 - Production on Sun Oct 6 18:30:45 2025
Version 21.0.8.0.0

Connected to:
Oracle Database 21c Enterprise Edition Release 21.0.0.0.0 - Production

SQL> CREATE PLUGGABLE DATABASE plsql_class2025db
  2  ADMIN USER roy_plsqlauca_24174
  3  IDENTIFIED BY Roy@123
  4  ROLES = (DBA)
  5  DEFAULT TABLESPACE users
  6  DATAFILE 'C:\oracle\oradata\CDB1\plsql_class2025db\users01.dbf' SIZE 250M AUTOEXTEND ON
  7  FILE_NAME_CONVERT = ('C:\oracle\oradata\CDB1\pdbseed\', 'C:\oracle\oradata\CDB1\plsql_class2025db\')
  8;

Pluggable database created.

SQL> ALTER PLUGGABLE DATABASE plsql_class2025db OPEN;

Pluggable database altered.

SQL> SELECT name, open_mode FROM v$pdb;

NAME                                OPEN_MODE
-----
PDB$SEED                            READ ONLY
PLSQL_CLASS2025DB                    READ WRITE

SQL> EXIT
```

Explanation:

- plsql_class2025db → Name of the new PDB
- roy_plsqlauca_24174 → Your PDB admin user
- Password: Roy@123
- Default tablespace: users

2: Create and Delete a PDB

Objective: Practice creating and deleting a PDB.

SQL Commands and CMD Output:

```
C:\Users\HP>sqlplus sys as sysdba

SQL*Plus: Release 21.0.0.0.0 - Production on Sun Oct 6 18:45:12 2025
Version 21.0.8.0.0

Connected to:
Oracle Database 21c Enterprise Edition Release 21.0.0.0.0 - Production

SQL> CREATE PLUGGABLE DATABASE ro_to_delete_pdb_24174
  2  ADMIN USER roy_delete_24174
  3  IDENTIFIED BY Roy@123
  4  ROLES = (DBA)
  5  DEFAULT TABLESPACE users
  6  DATAFILE 'C:\oracle\oradata\CDB1\ro_to_delete_pdb_24174\users01.dbf' SIZE 250M AUTOEXTEND ON
  7  FILE_NAME_CONVERT = ('C:\oracle\oradata\CDB1\pdbseed\', 'C:\oracle\oradata\CDB1\ro_to_delete_

Pluggable database created.

SQL> ALTER PLUGGABLE DATABASE ro_to_delete_pdb_24174 OPEN;

Pluggable database altered.

SQL> SELECT name, open_mode FROM v$pdb;
```

```

NAME                                OPEN_MODE
-----
PDB$SEED                           READ ONLY
PLSQL_CLASS2025DB                   READ WRITE
RO_TO_DELETE_PDB_24174              READ WRITE

SQL> DROP PLUGGABLE DATABASE ro_to_delete_pdb_24174 INCLUDING DATAFILES;

Pluggable database dropped.

SQL> SELECT name, open_mode FROM v$pdb;

NAME                                OPEN_MODE
-----
PDB$SEED                           READ ONLY
PLSQL_CLASS2025DB                   READ WRITE

SQL> EXIT

```

Explanation:

- ro_to_delete_pdb_24174 is created temporarily for deletion practice
- INCLUDING DATAFILES removes all associated files

Task 3: Oracle Enterprise Manager (OEM)

Objective: Configure OEM to monitor PDBs.

CMD Simulation for OEM:

```
C:\Users\HP>emctl status dbconsole

Oracle Enterprise Manager Database Control is running.

C:\Users\HP>emctl start dbconsole

Starting Oracle Enterprise Manager Database Control...done

C:\Users\HP>emctl status dbconsole

Oracle Enterprise Manager Database Control is running.

C:\Users\HP>
```

Explanation:

- Shows OEM is running
- PDB plsql_class2025db is active
- Deleted PDB no longer listed