

Lab2 - Homework

Is210.l22.HTCL

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| Command | Result |
| 1. Create a pluggable database (PDB) and open this PDB.  CREATE PLUGGABLE DATABASE pdb4 ADMIN USER pdb4user IDENTIFIED BY test123 ROLES=(DBA) file\_name\_convert=('pdbseed', 'pdb4'); | Pluggable database created.  Pluggable database altered. |
| 2. Use SYS user to connect to this PDB. Show connection name of the connection.  connect sys/Admin123@localhost:1521/pdb4 as sysdba | Connected. |
| 3. Create a tablespace in this PDB.  create tablespace tbs\_pdb4 | Tablespace created. |
| 4. Add a datafile to the tablespace above.  Alter tablespace tbs\_pdb4 datafile 'D:\Oracle\Database\19c\oradata\ORCL\PDB4\tbs\_pdb4\_01.dbf' size 5M; | Tablespace altered. |
| 5. CREATE 5 USERs: user1, user2, user3, user4, user5, default tablespace and  CREATE USER user1 IDENTIFIED BY test123 DEFAULT TABLESPACE tbs\_pdb4 QUOTA 1M ON tbs\_pdb4;  CREATE USER user2 IDENTIFIED BY test123 DEFAULT TABLESPACE tbs\_pdb4 QUOTA 1M ON tbs\_pdb4;  CREATE USER user3 IDENTIFIED BY test123 DEFAULT TABLESPACE tbs\_pdb4 QUOTA 1M ON tbs\_pdb4;  CREATE USER user4 IDENTIFIED BY test123 DEFAULT TABLESPACE tbs\_pdb4 QUOTA 1M ON tbs\_pdb4;  CREATE USER user5 IDENTIFIED BY test123 DEFAULT TABLESPACE tbs\_pdb4 QUOTA 1M ON tbs\_pdb4;  quota 1M for each user on the tablespace above. | User created.  User created.  User created.  User created.  User created. |
| 6. Create a developer role: CREATE SESSION, CREATE TABLE.  create role developer;  grant create session, create table to developer; | Role created.  Grant succeeded. |
| 7. From SYS user, GRANT developer role to user1 and user5 with admin option.  grant developer to user1 with admin option;  grant developer to user5 with admin option; | Grant succeeded. |
| 8. From SYS user, revoke the developer role from user5.  revoke developer from user5; | Revoke succeeded. |
| 9. From user1, grant developer role to user2 so that user2 can grant this role to other  users.  conn user1/test123@localhost:1521/pdb4  grant developer to user2 with admin option; | Connected.  Grant succeeded. |
| 10.From user1, create ORDERS table (orderid, orderdate, total). Insert 3 rows into  this table, orderid is generated from a sequence.  create table orders(orderid number, orderdate varchar2(100), total number);  connect sys/Admin123@localhost:1521/pdb4 as sysdba  grant create sequence to user1;  conn user1/test123@localhost:1521/pdb4  create sequence order\_seq start with 1 increment by 1;  insert into orders values(order\_seq.nextval, '01-01-2001', 20000);  insert into orders values(order\_seq.nextval, '02-01-2001', 30000);  insert into orders values(order\_seq.nextval, '03-01-2001', 40000); | Table created.  Connected.  Grant succeeded.  Connected.  Sequence created.  1 row created.  1 row created.  1 row created. |
| 11.From user2, grant developer role to user3, so that user3 can’t grant this role to  other user.  conn user2/test123@localhost:1521/pdb4  grant developer to user3; | Connected.  Grant succeeded. |
| 12.From SYS user, grant select, insert, update (orderdate, total) privilege on  ORDERS table to user2.  connect sys/Admin123@localhost:1521/pdb4 as sysdba;  grant select, insert, update(orderdate, total) on user1.orders to user2; | Connected. |
| 13.From SYS user, show role and object privilege of user2. (using view:  USER\_ROLE\_PRIVS, USER\_COL\_PRIVS)  select \* from dba\_role\_privs where grantee='USER3';  select \* from dba\_col\_privs where grantee='USER3'; | GRANTEE -------------------------------------------------------------------------------- GRANTED\_ROLE -------------------------------------------------------------------------------- ADM DEL DEF COM INH --- --- --- --- --- USER3 DEVELOPER NO NO YES NO NO  no rows selected |
| 14.From SYS user, grant select, insert, and update privileges on user1’ORDERS  table to user3.  grant select, insert, update on user1.orders to user3; | Grant succeeded. |
| 15.From user3, show role and object privilege of user3.  conn user3/test123@localhost:1521/pdb4  select \* from user\_role\_privs;  select table\_name, column\_name from user\_col\_privs; | USERNAME  --------------------------------------------------------------------------------  GRANTED\_ROLE  --------------------------------------------------------------------------------  ADM DEL DEF OS\_ COM INH  --- --- --- --- --- ---  USER3  DEVELOPER  NO NO YES NO NO NO  no rows selected |
| 16.From user3, write two statements to insert data into user1’orders table  insert into user1.orders values(3, '03/03/2001', 69000);  insert into user1.orders values(4, '04/03/2001', 79000); | 1 row created.  1 row created. |
| 17.From user3, write a statement to select data from user1’orders table.  select \* from user1.orders; | ORDERID ---------- ORDERDATE -------------------------------------------------------------------------------- TOTAL ---------- 1 01-01-2001 20000 2 02-01-2001 30000 ORDERID ---------- ORDERDATE -------------------------------------------------------------------------------- TOTAL ---------- 3 03-01-2001 40000 4 03/03/2001 ORDERID ---------- ORDERDATE -------------------------------------------------------------------------------- TOTAL ---------- 69000 3 03/03/2001 69000 4 ORDERID ---------- ORDERDATE -------------------------------------------------------------------------------- TOTAL ---------- 04/03/2001 79000 6 rows selected. |