| Ex.No.: 16       |                         |
|------------------|-------------------------|
| Date: 03/10/2024 | CONTROLLING USER ACCESS |

1. What privilege should a user be given to log on to the Oracle Server? Is this a system or an object privilege?

The privilege a user should be given to log on to the Oracle Server is the CREATE SESSION privilege.

Type of Privilege: This is a system privilege.

**GRANT CREATE SESSION TO username**;

2. What privilege should a user be given to create tables?

the user needs the CREATE TABLE privilege.
The CREATE TABLE privilege allows the user to create new tables in their own schema.

**GRANT CREATE TABLE TO username**;

3. If you create a table, who can pass along privileges to other users on your table?

When you create a table, only you as the table owner (or a user with the ADMIN OPTION or GRANT ANY PRIVILEGE system privilege) can grant privileges on your table to other users.

**GRANT SELECT ON your\_table TO other\_user;** 

4. You are the DBA. You are creating many users who require the same system privileges. What should you use to make your job easier?

As a DBA, to simplify the process of granting the same system privileges to multiple users, you should use roles.

CREATE ROLE my\_role;

GRANT CREATE SESSION TO my\_role;

GRANT CREATE TABLE TO my\_role;

GRANT my\_role TO user1;

GRANT my\_role TO user2;

5. What command do you use to change your password?

ALTER USER username IDENTIFIED BY new\_password;

6. Grant another user access to your DEPARTMENTS table. Have the user grant you query Access to his or her DEPARTMENTS table.

**Grant Access to Your DEPARTMENTS Table** 

**GRANT SELECT ON your\_username.DEPARTMENTS TO other\_user**;

Grant Query Access to Other User's DEPARTMENTS Table

**GRANT SELECT ON other\_user.DEPARTMENTS TO your\_username**;

7. Query all the rows in your DEPARTMENTS table.

**SELECT \* FROM DEPARTMENT;** 



8. Add a new row to your DEPARTMENTS table. Team 1 should add Education as department number 500. Team 2 should add Human Resources department number 510. Query the other team's table.

```
INSERT INTO DEPARTMENT(dept_id, DEPT_NAME,manager_id,location_id,country_id,manager_name) VALUES (500, 'Education',300,12,'BAN','ball');
```

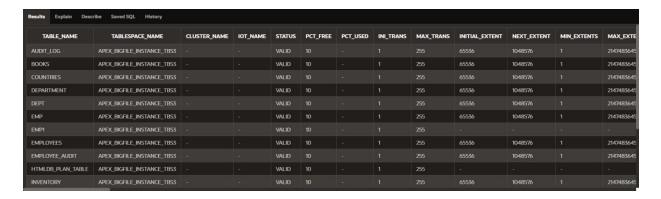
INSERT INTO DEPARTMENT(dept\_id, DEPT\_NAME,manager\_id,location\_id,country\_id,manager\_name) VALUES (510, 'Human Resources',150,10,'AUS','john');

## **SELECT \* FROM DEPARTMENT;**



9. Query the USER\_TABLES data dictionary to see information about the tables that you own.

**SELECT \* FROM USER\_TABLES;** 



10. Revoke the SELECT privilege on your table from the other team.

**REVOKE SELECT ON team1\_user.DEPARTMENTS FROM other\_user**;

11. Remove the row you inserted into the DEPARTMENTS table in step 8 and save the changes.

DELETE FROM DEPARTMENT WHERE DEPT\_ID IN (500, 510);