Title: Controlling User Access

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

Answer:

- **Privilege**: `CREATE SESSION`
- **Type**: System privilege.

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

Answer:

- **Privilege**: `CREATE TABLE`
- **Type**: System privilege.

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

Answer:

- The owner of the table can pass along privileges to other users if the `WITH GRANT OPTION` is used.

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?

Answer:

- Use **roles** to group and manage privileges efficiently.

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

Answer:

- `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.

Answer:

- **Grant Access**:

```
GRANT select
ON your_departments_table
TO other_user;
```

- **Other User Grants Query Access**:

```
GRANT select
ON other_user.departments
TO your_user;
```

7. Query all the rows in your DEPARTMENTS table.

Answer:

```
SELECT * FROM your_departments_table;
```

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.

Answer:

- **Team 1**:

```
INSERT INTO your_departments_table (department_id, department_name)
VALUES (500, 'Education');
```

- **Team 2**:

```
INSERT INTO your_departments_table (department_id, department_name)
VALUES (510, 'Human Resources');
```

- **Query Other Team's Table**:

```
SELECT * FROM other_team.departments;
```

9. Query the USER_TABLES data dictionary to see information about the tables that you own.

Answer:

```
SELECT * FROM user_tables;
```

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

Answer:

```
REVOKE select
ON your_departments_table
FROM other_team;
```

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

Answer:

```
DELETE FROM your_departments_table
WHERE department_id = 500;
COMMIT;
```