

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?**

```
GRANT CREATE SESSION TO username;
```

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

```
GRANT CREATE TABLE TO username;
```

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

```
GRANT SELECT ON table_name TO user2 WITH GRANT OPTION;
```

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?**

```
CREATE ROLE analyst_role;
```

```
GRANT CREATE SESSION, CREATE TABLE TO analyst_role;
```

```
GRANT analyst_role TO user1, user2, user3;
```

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 SELECT ON departments TO other_user;
```

7. **Query all the rows in your DEPARTMENTS table.**

```
SELECT * FROM departments;
```

8. **Add a new row to your DEPARTMENTS table.**

```
INSERT INTO departments (department_id, department_name)
```

```
VALUES (500, 'Education');
```

```
COMMIT;
```

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

```
SELECT table_name, tablespace_name, num_rows
```

```
FROM user_tables;
```

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

```
REVOKE SELECT ON departments FROM other_user;
```

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

```
DELETE FROM departments
```

```
WHERE department_id = 500; -- or 510 for Team 2
```

```
COMMIT;
```