**📝 25 Practice Questions on DCL in MySQL**

**🔹 Section 1: Basic User Management**

1. Create a new user named student with password Student@123.
2. Create a user manager who can connect only from localhost.
3. Create a user report\_user who can connect from any host (%).
4. Change the password of user student to Student@456.
5. Delete the user report\_user from the MySQL server.

**🔹 Section 2: GRANT Privileges**

1. Grant SELECT privilege on all tables in school\_db to student.
2. Grant INSERT privilege on the students table to student.
3. Grant both SELECT and UPDATE privileges on employees table to manager.
4. Grant ALL PRIVILEGES on company\_db to manager.
5. Grant SELECT privilege on only the name and age columns of the students table to student.

**🔹 Section 3: REVOKE Privileges**

1. Revoke INSERT privilege on the students table from student.
2. Revoke UPDATE privilege on the employees table from manager.
3. Revoke ALL PRIVILEGES from manager on company\_db.
4. Revoke SELECT on specific columns (name, age) from student.
5. Revoke all privileges from student on school\_db.

**🔹 Section 4: SHOW GRANTS**

1. Show all privileges assigned to student.
2. Show all privileges assigned to manager.
3. Verify what privileges the current user has.
4. Display privileges of root user.
5. Show grants for all users connecting from % (any host).

**🔹 Section 5: Advanced DCL**

1. Create a user admin with password Admin@123 and grant them GRANT OPTION on company\_db.
2. As admin, grant INSERT privilege on employees table to student.
3. Revoke GRANT OPTION from admin.
4. Modify privileges directly in MySQL system tables, then use FLUSH PRIVILEGES; to apply changes.
5. Create a read-only user readonly\_user who can only SELECT from all databases.