# Homework # 01:

Please complete the following assignment and provide the output for **EACH** task (before and after).

### 1. Create users:

```
a. User: deron_a       Host: localhost       Password: password
b. User: bedros_b      Host: localhost       Password: password
c. User: ramesh_c      Host: localhost       Password: password
d. User: asha_d        Host: localhost       Password: password
e. User: prashant_e    Host: localhost       Password: password
f. User: dilip_f       Host: localhost       Password: password
g. User: mukesh_g      Host: localhost       Password: password
h. User: suresh_h      Host: localhost       Password: password
i. User: sheela_i      Host: localhost       Password: password
j. User: arsen_j       Host: localhost       Password: password
```

### 2. Create databases:

```
a. Database name: qa_test_a
b. Database name: qa_test_b
c. Database name: qa_test_c
d. Database name: qa_test_d
e. Database name: qa_test_e
f. Database name: qa_test_f
g. Database name: qa_test_g
h. Database name: qa_test_h
i. Database name: qa_test_i
j. Database name: qa_test_j
```

### 3. Grant privileges to users:

```
a. User: deron_a       Grant Privileges: ALL PRIVILEGES (WITH GRANT OPTION
                       On: All Databases and All Tables

b. User: bedros_b      Grant Privileges: ALL PRIVILEGES
                       On: qa_test_b and All Tables

c. User: ramesh_c      Grant Privileges: SELECT
                       On: qa_test_c and All Tables

d. User: asha_d        Grant Privileges: SELECT,INSERT,UPDATE,DELETE,CREATE,DROP
                       On: qa_test_d and All Tables

e. User: prashant_e    Grant Privileges: SELECT,INSERT
                       On: qa_test_e and All Tables

f. User: dilip_f       Grant Privileges: CREATE USER
                       On: All Databases and All Tables

g. User: mukesh_g      Grant Privileges: DROP
                       On: qa_test_g and All Tables

h. User: suresh_h      Grant Privileges: UPDATE
                       On: qa_test_h and All Tables

i. User: sheela_i      Grant Privileges: SHOW DATABASES
                       On: All Databases and All Tables

j. User: arsen_j       Grant Privileges: SELECT,INSERT,UPDATE,DELETE, DROP
                       On: qa_test_j and All Tables
```

### 4.  Revoke privileges from users:

    a. **User: deron_a**    **Revoke Privileges:** ALL PRIVILEGES (WITH GRANT OPTION)
        **On:** All Databases and All Tables

    b. **User: bedros_b**    **Revoke Privileges:** SELECT
        **On:** Database: **qa_test_b** and All Tables

    c. **User: ramesh_c**    **Revoke Privileges:** SELECT
        **On:** Database: **qa_test_c** and All Tables

    d. **User: asha_d**    **Revoke Privileges:** SELECT, UPDATE,DELETE, DROP
        **On:** Database: **qa_test_d** and All Tables

    e. **User: prashant_e**    **Revoke Privileges:** SELECT,INSERT
        **On:** Database: **qa_test_e** and All Tables

    f. **User: dilip_f**    **Revoke Privileges:** CREATE USER
        **On:** All Databases and All Tables

    g. **User: mukesh_g**    **Revoke Privileges:** DROP
        **On:** Database: **qa_test_g** and All Tables

    h. **User: suresh_h**    **Revoke Privileges:** UPDATE
        **On:** Database: **qa_test_h** and All Tables

    i. **User: sheela_i**    **Revoke Privileges:** SHOW DATABASES
        **On:** All Databases and All Tables

    j. **User: arsen_j**    **Revoke Privileges:** DELETE
        **On:** Database: **qa_test_j** and All Tables

### 5.  Drop all users

### 6.  Drop all databases

*example:*

```
STEP # 1.1 Display list of the users (Before)

mysql> SELECT user, host, password FROM mysql.user;
+------+-----------+-------------------------------------------+
| user | host      | password                                  |
+------+-----------+-------------------------------------------+
| root | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
+------+-----------+-------------------------------------------+
1 rows in set (0.00 sec)

STEP # 1.2 Display list of the users (After)

mysql> SELECT user, host, password FROM mysql.user;
+------------+-----------+-------------------------------------------+
| user       | host      | password                                  |
+------------+-----------+-------------------------------------------+
| root       | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| deron_a    | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| bedros_b   | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| ramesh_c   | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| asha_d     | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| prashant_e | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| dilip_f    | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| mukesh_g   | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| suresh_h   | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| sheela_i   | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
| arsen_j    | localhost | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 |
+------------+-----------+-------------------------------------------+
11 rows in set (0.00 sec)
```

```
STEP # 2.1 Display all databases (Before)

mysql> SHOW databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
+--------------------+
3 rows in set (0.00 sec)

STEP # 2.2 Display all databases (After)

mysql> SHOW databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| qa_test_a          |
| qa_test_b          |
| qa_test_c          |
| qa_test_d          |
| qa_test_e          |
| qa_test_f          |
| qa_test_g          |
| qa_test_h          |
| qa_test_i          |
| qa_test_j          |
+--------------------+
```

```
13 rows in set (0.00 sec)
```

```
STEP # 3.1a Display privileges for 'deron_a'@'localhost' (Before)

mysql> SHOW GRANTS FOR 'deron_a'@'localhost';
+--------------------------------------------------------------------------------+
| Grants for deron_a@localhost                                                   |
+--------------------------------------------------------------------------------+
| GRANT USAGE ON *.* TO 'deron_a'@'localhost' IDENTIFIED BY PASSWORD '*2470C0C06DEE42FD119'|
+--------------------------------------------------------------------------------+
1 row in set (0.00 sec)

STEP # 3.2a Display privileges for 'deron_a'@'localhost' (After)

mysql> SHOW GRANTS FOR 'deron_a'@'localhost';
+--------------------------------------------------------------------------------+
| Grants for deron_a@localhost                                                   |
+--------------------------------------------------------------------------------+
| GRANT ALL PRIVILEGES ON *.* TO 'deron_a'@'localhost' IDENTIFIED BY PASSWORD '*24' WITH
GRANT OPTION |
+--------------------------------------------------------------------------------+
1 rows in set (0.00 sec)
```

```
mysql> GRANT SELECT ON *.* TO 'ramesh_c'@'localhost';
Query OK, 0 rows affected (0.00 sec)

mysql> SHOW GRANTS FOR 'ramesh_c'@'localhost';
+--------------------------------------------------------------------------------+
| Grants for ramesh_c@localhost                                                  |
+--------------------------------------------------------------------------------+
| GRANT SELECT ON qa_test_c.* TO 'ramesh_c'@'localhost' IDENTIFIED BY PASSWORD
'*2470C0C06DEE42FD1618BB99005ADCA'|
+--------------------------------------------------------------------------------+
1 rows in set (0.00 sec)

mysql> REVOKE SELECT ON qa_test_c.* FROM 'ramesh_c '@'localhost';
Query OK, 0 rows affected (0.00 sec)
```

etc.