Assignment - 1

Write SQL queries for the following:

1. List all the available databases.

```
MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| dbms_practice      |
| information_schema |
| mysql              |
| performance_schema |
| phpmyadmin         |
| test               |
+--------------------+
6 rows in set (0.001 sec)
```

2. Create a database of your name.

```
MariaDB [(none)]> create database manishdb;
Query OK, 1 row affected (0.002 sec)
```

3. Drop the created database and create another database as dbms_practice.

```
MariaDB [(none)]> drop database manishdb;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> create database dbms_practice;
Query OK, 1 row affected (0.001 sec)
```

4. Select the dbms_practice database.

```
MariaDB [(none)]> use dbms_practice;
Database changed
```

5. List all available tables.

```
MariaDB [dbms_practice]> show tables;
Empty set (0.006 sec)
```

6. Create a table student with id, name, address as the columns.

```
MariaDB [dbms_practice]> create table student (
    -> id int primary key auto_increment,
    -> name varchar(30) not null,
    -> address varchar(30)
    -> );
Query OK, 0 rows affected (0.008 sec)
```

7. See the structure of the table.

```
MariaDB [dbms_practice]> desc student;
+---------+-------------+------+-----+---------+----------------+
| Field   | Type        | Null | Key | Default | Extra          |
+---------+-------------+------+-----+---------+----------------+
| id      | int(11)     | NO   | PRI | NULL    | auto_increment |
| name    | varchar(30) | NO   |     | NULL    |                |
| address | varchar(30) | YES  |     | NULL    |                |
+---------+-------------+------+-----+---------+----------------+
3 rows in set (0.017 sec)
```

8. Populate the student table with ten tuples.

```
MariaDB [dbms_practice]> INSERT INTO student (name, address) VALUES
    -> ('Yogesh', 'Ghorahi'),
    -> ('Manish', 'Dang'),
    -> ('Sagar', 'Tulsipur'),
    -> ('Shital', 'Lamahi'),
    -> ('Bibash', 'Rolpa'),
    -> ('Himal', 'Ghorahi'),
    -> ('Naresh', 'Dang'),
    -> ('Deepak', 'Tulsipur'),
    -> ('Arun', 'Lamahi'),
    -> ('Rajesh', 'Rolpa');
Query OK, 10 rows affected (0.007 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

9. Display all the entered data of the table.

```
MariaDB [dbms_practice]> select * from student;
+----+--------+----------+
| id | name   | address  |
+----+--------+----------+
|  1 | Yogesh | Ghorahi  |
|  2 | Manish | Dang     |
|  3 | Sagar  | Tulsipur |
|  4 | Shital | Lamahi   |
|  5 | Bibash | Rolpa    |
|  6 | Himal  | Ghorahi  |
|  7 | Naresh | Dang     |
|  8 | Deepak | Tulsipur |
|  9 | Arun   | Lamahi   |
| 10 | Rajesh | Rolpa    |
+----+--------+----------+
10 rows in set (0.002 sec)
```

10. Select the students who live in Ghorahi.

```
MariaDB [dbms_practice]> select * from student where address='Ghorahi';
+----+--------+---------+
| id | name   | address |
+----+--------+---------+
|  1 | Yogesh | Ghorahi |
|  6 | Himal  | Ghorahi |
+----+--------+---------+
2 rows in set (0.008 sec)
```

11. Select all the people who name is Ram and lives in Dang.

```
MariaDB [dbms_practice]> select * from student where name='Manish' and address='Dang';
+----+--------+---------+
| id | name   | address |
+----+--------+---------+
|  2 | Manish | Dang    |
+----+--------+---------+
1 row in set (0.006 sec)
```

12. Select name and address of the students who lives either in Lamahi or Tulsipur.

```
MariaDB [dbms_practice]> select name,address from student where address='Lamahi' or address='Tulsipur';
+--------+----------+
| name   | address  |
+--------+----------+
| Sagar  | Tulsipur |
| Shital | Lamahi   |
| Deepak | Tulsipur |
| Arun   | Lamahi   |
+--------+----------+
4 rows in set (0.000 sec)
```

13. Select id and name of all the students.

```
MariaDB [dbms_practice]> select id,name from student;
+----+--------+
| id | name   |
+----+--------+
|  1 | Yogesh |
|  2 | Manish |
|  3 | Sagar  |
|  4 | Shital |
|  5 | Bibash |
|  6 | Himal  |
|  7 | Naresh |
|  8 | Deepak |
|  9 | Arun   |
| 10 | Rajesh |
+----+--------+
10 rows in set (0.000 sec)
```

14. Clear all the data of the table at once.

```
MariaDB [dbms_practice]> truncate table student;
Query OK, 0 rows affected (0.017 sec)
```