Assignment No:1

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Title: Install mysql,Create database and Design and develop SQL commands.

Instalation of mysql:

student@student-Veriton-M200-H61:~$ sudo aft-get install mysql-server sudo mysql -root

Create and use Database:

mysql> create database sample1;
mysql> use sample1;
Database changed

SQL commands:
1.create
mysql> create table student(r_no int,sname varchar(30),address varchar(30));
Query OK, 0 rows affected (0.42 sec)

Output:
mysql> **desc** student;

```
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| r_no    | int         | YES  |     | NULL    |       |
| sname   | varchar(30) | YES  |     | NULL    |       |
| address | varchar(30) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
```

2.insert
mysql> insert into student values(1,"mukta","yeola");
Query OK, 1 row affected (0.07 sec)

mysql> insert into student values(2,"priya","nashik");
Output:
mysql> select *from student;

```
+------+-------+---------+
| r_no | sname | address |
+------+-------+---------+
|    1 | mukta | yeola   |
|    2 | priya | nashik  |
+------+-------+---------+
```

3.Update

mysql> update student set sname= "neha" where r_no=2;
Query OK, 1 row affected (0.08 sec)

Output:
mysql> select *from student;
```
+------+-------+---------+
| r_no | sname | address |
+------+-------+---------+
|    1 | mukta | yeola   |
|    2 | neha  | nashik  |
+------+-------+---------+
```
2 rows in set (0.00 sec)

4.Delete
mysql> delete from student where r_no=2;
Query OK, 1 row affected (0.18 sec)

Output:
mysql> select *from student;
```
+------+-------+---------+
| r_no | sname | address |
+------+-------+---------+
|    1 | mukta | yeola   |
+------+-------+---------+
```
1 row in set (0.00 sec)

5.Truncate
mysql> truncate student;
Query OK, 0 rows affected (0.59 sec)

Output:
mysql> select *from student;
Empty set (0.00 sec)

6.Alter
a.add
b.modify

mysql> alter table student add mobile_no varchar(10);
Query OK, 0 rows affected (0.36 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table student modify sname varchar(18);

Query OK, 2 rows affected (1.43 sec)
Records: 2 Duplicates: 0 Warnings: 0

Output:
mysql> select *from student;
```
+------+-------+---------+-----------+
| r_no | sname | address | mobile_no |
+------+-------+---------+-----------+
|    1 | mukta | yeola   | NULL      |
|    2 | priya | nashik  | NULL      |
+------+-------+---------+-----------+
```
2 rows in set (0.00 sec)

c.drop
mysql> alter table student drop mobile_no;
Query OK, 0 rows affected (0.30 sec)
Records: 0 Duplicates: 0 Warnings: 0

Output:
Before:
mysql> select *from student;
```
+------+-------+---------+-----------+
| r_no | sname | address | mobile_no |
+------+-------+---------+-----------+
|    1 | mukta | yeola   | NULL      |
|    2 | priya | nashik  | NULL      |
+------+-------+---------+-----------+
```
2 rows in set (0.00 sec)
After :
mysql> select *from student;
```
+------+-------+---------+
| r_no | sname | address |
+------+-------+---------+
|    1 | mukta | yeola   |
|    2 | priya | nashik  |
+------+-------+---------+
```
2 rows in set (0.00 sec)

7.Rename
mysql> rename table student to std;

Query OK, 0 rows affected (0.32 sec)

Output:
mysql> select *from student;
ERROR 1146 (42S02): Table 'sample1.student' doesn't exist
mysql> select *from std;
+------+-------+---------+
| r_no | sname | address |
+------+-------+---------+
| 1 | mukta | yeola |
| 2 | priya | nashik |
+------+-------+---------+
2 rows in set (0.00 sec)

8.Drop
mysql> drop table std;
Query OK, 0 rows affected (0.24 sec)

Output:
mysql> select *from std;
ERROR 1146 (42S02): Table 'sample1.std' doesn't exist