

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 apt-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