Experiment 2

Name : Aaditya Pravin Kolhapure.

Class : Ty b.tech (T1)

Roll nos. : 3017

1) Create Database

```
mysql> create database university;
Query OK, 1 row affected (0.01 sec)
```

2) Show database

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| bank               |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| university         |
+--------------------+
6 rows in set (0.00 sec)
```

3) Use database

```
mysql> use university;
Database changed
```

4) Create table student

```
mysql> create table student(roll_nos int(4),name char(15),address varchar(30));
Query OK, 0 rows affected, 1 warning (0.03 sec)
```

5) Show table

```
mysql> desc student;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| roll_nos | int         | YES  |     | NULL    |       |
| name     | char(15)    | YES  |     | NULL    |       |
| address  | varchar(30) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

6) Rename table student to csestudent

```
mysql> alter table student rename to csestudent;
Query OK, 0 rows affected (0.02 sec)

mysql> desc csestudent;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| roll_nos | int         | YES  |     | NULL    |       |
| name     | char(15)    | YES  |     | NULL    |       |
| address  | varchar(30) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

7) Creating primary key

```
mysql> create table cse_student(roll_nos int(4) not null unique,name char(15) not null,address varchar(30),primary key(roll_nos));
Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql> desc cse_student;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| roll_nos | int         | NO   | PRI | NULL    |       |
| name     | char(15)    | NO   |     | NULL    |       |
| address  | varchar(30) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

8) Inserting vale in cse_student table

```
mysql> insert into cse_student values('3017','Aaditya','10st colony,Satara');
Query OK, 1 row affected (0.01 sec)

mysql> insert into cse_student values('3023','Rushikesh','Powi naka,Satara');
Query OK, 1 row affected (0.01 sec)
```

9) Showing data entered into cse_student Table

```
mysql> select * from cse_student;
+----------+-----------+--------------------+
| roll_nos | name      | address            |
+----------+-----------+--------------------+
|     3017 | Aaditya   | 10st colony,Satara |
|     3023 | Rushikesh | Powi naka,Satara   |
+----------+-----------+--------------------+
2 rows in set (0.00 sec)
```

10) Showing only selected data from the table

```
mysql> select name,address from cse_student where roll_nos='3017';
+---------+--------------------+
| name    | address            |
+---------+--------------------+
| Aaditya | 10st colony,Satara |
+---------+--------------------+
1 row in set (0.00 sec)
```

11) Creating new table department and assign primary key to dept_id and foregin key to roll_nos from cse_student table

```
mysql> create table department(dept_name char(20) not null,dept_id int(10) not null unique,primary key(dept_id),roll_nos int(4),foreign key(roll_nos) refere
nces cse_student(roll_nos));
Query OK, 0 rows affected, 2 warnings (0.03 sec)

mysql> desc department;
+-----------+----------+------+-----+---------+-------+
| Field     | Type     | Null | Key | Default | Extra |
+-----------+----------+------+-----+---------+-------+
| dept_name | char(20) | NO   |     | NULL    |       |
| dept_id   | int      | NO   | PRI | NULL    |       |
| roll_nos  | int      | YES  | MUL | NULL    |       |
+-----------+----------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```