SQL:
Q.1) Create collegedb
Q.2)In collegedb create table as Students with field(studid,name,course,marks) (course-IT,DATA SCIENCE,COMPUTER SCIENCE)

```
mysql> create database SCOEDB;
Query OK, 1 row affected (0.04 sec)

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sakila             |
| saraswatidb        |
| scoe               |
| scoedb             |
| sys                |
| world              |
+--------------------+
9 rows in set (0.00 sec)

mysql> use SCOEDB;
Database changed
mysql> create table Student
    -> (
    -> StudId int,
    -> Name varchar(50),
    -> Course varchar(50),
    -> Marks int
    -> );
Query OK, 0 rows affected (0.07 sec)
```

Q.3) View table structure

```
mysql> desc Student;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| StudId | int         | YES  |     | NULL    |       |
| Name   | varchar(50) | YES  |     | NULL    |       |
| Course | varchar(50) | YES  |     | NULL    |       |
| Marks  | int         | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

Q.4) Insert minimum 10 records.
Q.5) Retrieve all data

```
mysql> insert into Student (StudId,Name,Course,Marks) values
    -> (1,"Harshit","IT",60),
    -> (2,"Sahil","COMPUTER SCIENCE",70),
    -> (3,"Yash","DATA SCIENCE",80),
    -> (4,"Umesh","IT",55),
    -> (5,"Ram","COMPUTER SCIENCE",67),
    -> (6,"Raj","DATA SCIENCE",87),
    -> (7,"Ramesh","IT",89),
    -> (8,"Deep","DATA SCIENCE",90),
    -> (9,"Ayush","IT",54),
    -> (10,"Prasad","COMPUTER SCIENCE",45);
Query OK, 10 rows affected (0.04 sec)
Records: 10  Duplicates: 0  Warnings: 0

mysql> select * from Student;
+--------+--------+------------------+-------+
| StudId | Name   | Course           | Marks |
+--------+--------+------------------+-------+
|      1 | Harshit | IT              |    60 |
|      2 | Sahil  | COMPUTER SCIENCE |    70 |
|      3 | Yash   | DATA SCIENCE     |    80 |
|      4 | Umesh  | IT               |    55 |
|      5 | Ram    | COMPUTER SCIENCE |    67 |
|      6 | Raj    | DATA SCIENCE     |    87 |
|      7 | Ramesh | IT               |    89 |
|      8 | Deep   | DATA SCIENCE     |    90 |
|      9 | Ayush  | IT               |    54 |
|     10 | Prasad | COMPUTER SCIENCE |    45 |
+--------+--------+------------------+-------+
10 rows in set (0.00 sec)
```

Q.6) select name and marks from Students table.
Q.7)Update student's marks to 50 whose studid 4

```
mysql> select Name,Marks from Student;
+---------+-------+
| Name    | Marks |
+---------+-------+
| Harshit |    60 |
| Sahil   |    70 |
| Yash    |    80 |
| Umesh   |    55 |
| Ram     |    67 |
| Raj     |    87 |
| Ramesh  |    89 |
| Deep    |    90 |
| Ayush   |    54 |
| Prasad  |    45 |
+---------+-------+
10 rows in set (0.00 sec)

mysql> update Student set Marks = 50 where StudId = 4;
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * from Student;
+--------+---------+------------------+-------+
| StudId | Name    | Course           | Marks |
+--------+---------+------------------+-------+
|      1 | Harshit | IT               |    60 |
|      2 | Sahil   | COMPUTER SCIENCE |    70 |
|      3 | Yash    | DATA SCIENCE     |    80 |
|      4 | Umesh   | IT               |    50 |
|      5 | Ram     | COMPUTER SCIENCE |    67 |
|      6 | Raj     | DATA SCIENCE     |    87 |
|      7 | Ramesh  | IT               |    89 |
|      8 | Deep    | DATA SCIENCE     |    90 |
|      9 | Ayush   | IT               |    54 |
|     10 | Prasad  | COMPUTER SCIENCE |    45 |
+--------+---------+------------------+-------+
10 rows in set (0.00 sec)
```

Q.8)Show all the students who scored more than 50 marks
Q.9) Delete record of studid 7.

```
mysql> select * from Student where Marks >=50;
+---------+---------+------------------+-------+
| StudId  | Name    | Course           | Marks |
+---------+---------+------------------+-------+
|       1 | Harshit | IT               |    60 |
|       2 | Sahil   | COMPUTER SCIENCE |    70 |
|       3 | Yash    | DATA SCIENCE     |    80 |
|       4 | Umesh   | IT               |    50 |
|       5 | Ram     | COMPUTER SCIENCE |    67 |
|       6 | Raj     | DATA SCIENCE     |    87 |
|       7 | Ramesh  | IT               |    89 |
|       8 | Deep    | DATA SCIENCE     |    90 |
|       9 | Ayush   | IT               |    54 |
+---------+---------+------------------+-------+
9 rows in set (0.00 sec)

mysql> delete from Student where StudId = 7;
Query OK, 1 row affected (0.30 sec)
```

```
mysql> select * from Student;
+---------+---------+------------------+-------+
| StudId  | Name    | Course           | Marks |
+---------+---------+------------------+-------+
|       1 | Harshit | IT               |    60 |
|       2 | Sahil   | COMPUTER SCIENCE |    70 |
|       3 | Yash    | DATA SCIENCE     |    80 |
|       4 | Umesh   | IT               |    50 |
|       5 | Ram     | COMPUTER SCIENCE |    67 |
|       6 | Raj     | DATA SCIENCE     |    87 |
|       8 | Deep    | DATA SCIENCE     |    90 |
|       9 | Ayush   | IT               |    54 |
|      10 | Prasad  | COMPUTER SCIENCE |    45 |
+---------+---------+------------------+-------+
9 rows in set (0.00 sec)
```

Q.10)Select student's whose course is "IT"

```
mysql> select * from Student where Course ="IT";
+---------+----------+---------+--------+
| StudId  | Name     | Course  | Marks  |
+---------+----------+---------+--------+
|       1 | Harshit  | IT      |     60 |
|       4 | Umesh    | IT      |     50 |
|       9 | Ayush    | IT      |     54 |
+---------+----------+---------+--------+
3 rows in set (0.00 sec)
```