Create Table

Create Database and create Table and insert one student details-

```
mysql> create database Question1;
Query OK, 1 row affected (0.01 sec)

mysql> use  Question1;
Database changed
mysql> create table students (
    -> ADD_NO int auto_increment unique not null,
    -> SNAME VARCHAR(30) NOT NULL,
    -> SEX varchar(5) NOT NULL,
    -> GP_NAME VARCHAR(50) NOT NULL,
    -> QUAL_PERCEN INT NOT null
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql> insert INTO students
    ->                     values (1001,'NAVNEET', 'M', 'SCIENCE-CS', 86);
Query OK, 1 row affected (0.01 sec)
```

Insert remaining students datils

```
mysql> INSERT INTO STUDENTS (SNAME, SEX, GP_NAME, QUAL_PERCEN)
    ->                     VALUES
    ->                                     ("Mayank","M","Science_CS",95),
    ->                                     ('LAKSHMI', 'F', 'COMMERCE', 92),
    ->                                     ('DEVIKA', 'F', 'HUMANITIES', 91),
    ->                                     ('NIKETH', 'M', 'SCIENCE-CS', 86),
    ->                                     ('RESHMA', 'F', 'SCIENCE-BS', 81),
    ->                                     ('REHNA', 'F', 'COMMERCE', 65),
    ->                                     ('SONU', 'M', 'SCIENCE-BS', 81),
    ->                                     ('SNEHA', 'F', 'COMMERCE', 91),
    ->                                     ('JOB-SAVIO', 'M', 'SCIENCE-CS', 87),
    ->                                     ('RAMU', 'M', 'HUMANITIES', 80);
Query OK, 10 rows affected (0.01 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

Q-1 Display the above students table-

```
mysql> select * from students;
+--------+-----------+-----+------------+-------------+
| ADD_NO | SNAME     | SEX | GP_NAME    | QUAL_PERCEN |
+--------+-----------+-----+------------+-------------+
|   1001 | NAVNEET   | M   | SCIENCE-CS |          86 |
|   1002 | Mayank    | M   | Science_CS |          95 |
|   1003 | LAKSHMI   | F   | COMMERCE   |          92 |
|   1004 | DEVIKA    | F   | HUMANITIES |          91 |
|   1005 | NIKETH    | M   | SCIENCE-CS |          86 |
|   1006 | RESHMA    | F   | SCIENCE-BS |          81 |
|   1007 | REHNA     | F   | COMMERCE   |          65 |
|   1008 | SONU      | M   | SCIENCE-BS |          81 |
|   1009 | SNEHA     | F   | COMMERCE   |          91 |
|   1010 | JOB-SAVIO | M   | SCIENCE-CS |          87 |
|   1011 | RAMU      | M   | HUMANITIES |          80 |
+--------+-----------+-----+------------+-------------+
11 rows in set (0.00 sec)
```

Q-2 Display the ADD_No, SNAME and SEX from the table.

```
mysql> select ADD_no, SNAME, SEX from students;
+----------+-----------+-------+
| ADD_no   | SNAME     | SEX   |
+----------+-----------+-------+
|     1001 | NAVNEET   | M     |
|     1002 | Mayank    | M     |
|     1003 | LAKSHMI   | F     |
|     1004 | DEVIKA    | F     |
|     1005 | NIKETH    | M     |
|     1006 | RESHMA    | F     |
|     1007 | REHNA     | F     |
|     1008 | SONU      | M     |
|     1009 | SNEHA     | F     |
|     1010 | JOB-SAVIO | M     |
|     1011 | RAMU      | M     |
+----------+-----------+-------+
11 rows in set (0.00 sec)
```

Q-3 Update the group name us commerce Whose ADD_NO is 1001 .

```
mysql> update students
    -> set GP_NAME  = 'commerce'
    -> where ADD_NO= 1001;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
+----------+-----------+-------+-----------+---------------+
| ADD_NO   | SNAME     | SEX   | GP_NAME   | QUAL_PERCEN   |
+----------+-----------+-------+-----------+---------------+
|     1001 | NAVNEET   | M     | commerce  |            86  |
+----------+-----------+-------+-----------+---------------+
```

Q-4 Remove datils of students whose ADD_NO = 1004

```
mysql> delete from students
    -> where ADD_NO=1004;
Query OK, 1 row affected (0.00 sec)
```

Q-5 Display the details of students whose ADD_NO = 1010

```
mysql> select * from students where ADD_NO = 1010;
+--------+-----------+-----+------------+-------------+
| ADD_NO | SNAME     | SEX | GP_NAME    | QUAL_PERCEN |
+--------+-----------+-----+------------+-------------+
|   1010 | JOB-SAVIO | M   | SCIENCE-CS |          87 |
+--------+-----------+-----+------------+-------------+
1 row in set (0.00 sec)
```

Q-6 Display the details of students whose GP_NAME = Science_CS

```
mysql> select * from students where GP_NAME = 'Science_CS';
+--------+--------+-----+------------+-------------+
| ADD_NO | SNAME  | SEX | GP_NAME    | QUAL_PERCEN |
+--------+--------+-----+------------+-------------+
|   1002 | Mayank | M   | Science_CS |          95 |
+--------+--------+-----+------------+-------------+
1 row in set (0.00 sec)
```

Q-7 Display the list of student whose Qual_percentages>80

```
mysql> select * from students where QUAL_PERCEN>90;
+--------+---------+-----+------------+-------------+
| ADD_NO | SNAME   | SEX | GP_NAME    | QUAL_PERCEN |
+--------+---------+-----+------------+-------------+
|   1002 | Mayank  | M   | Science_CS |          95 |
|   1003 | LAKSHMI | F   | COMMERCE   |          92 |
|   1009 | SNEHA   | F   | COMMERCE   |          91 |
+--------+---------+-----+------------+-------------+
3 rows in set (0.00 sec)
```

Q-8 Display the name of students whose belongs to commerce.

```
mysql> select * from students where GP_NAME='commerce';
+--------+---------+-----+----------+-------------+
| ADD_NO | SNAME   | SEX | GP_NAME  | QUAL_PERCEN |
+--------+---------+-----+----------+-------------+
|   1001 | NAVNEET | M   | commerce |          86 |
|   1003 | LAKSHMI | F   | COMMERCE |          92 |
|   1007 | REHNA   | F   | COMMERCE |          65 |
|   1009 | SNEHA   | F   | COMMERCE |          91 |
+--------+---------+-----+----------+-------------+
4 rows in set (0.00 sec)
```

Q-9 Display the students name and QUAl_PERCEN whose QUAL_PERCN >= 90

```
mysql> select Sname,QUAL_PERCEN from students where QUAL_PERCEN>=90;
+---------+-------------+
| Sname   | QUAL_PERCEN |
+---------+-------------+
| Mayank  |          95 |
| LAKSHMI |          92 |
| SNEHA   |          91 |
+---------+-------------+
3 rows in set (0.00 sec)
```

Q-10 Display the list of students where GP_NAME = SCIENCE-BS

```
mysql> select * from students where GP_NAME ='SCIENCE-BS';
+---------+---------+-----+------------+--------------+
| ADD_NO  | SNAME   | SEX | GP_NAME    | QUAL_PERCEN  |
+---------+---------+-----+------------+--------------+
|    1006 | RESHMA  | F   | SCIENCE-BS |           81 |
|    1008 | SONU    | M   | SCIENCE-BS |           81 |
+---------+---------+-----+------------+--------------+
2 rows in set (0.00 sec)
```

Q-11 Display the details of students where GP_NAME <> SCIENCE_BS ?

```
mysql> select * from students where GP_NAME <> 'SCIENCE_BS';
+---------+-----------+-----+------------+--------------+
| ADD_NO  | SNAME     | SEX | GP_NAME    | QUAL_PERCEN  |
+---------+-----------+-----+------------+--------------+
|    1001 | NAVNEET   | M   | commerce   |           86 |
|    1002 | Mayank    | M   | Science_CS |           95 |
|    1003 | LAKSHMI   | F   | COMMERCE   |           92 |
|    1005 | NIKETH    | M   | SCIENCE-CS |           86 |
|    1006 | RESHMA    | F   | SCIENCE-BS |           81 |
|    1007 | REHNA     | F   | COMMERCE   |           65 |
|    1008 | SONU      | M   | SCIENCE-BS |           81 |
|    1009 | SNEHA     | F   | COMMERCE   |           91 |
|    1010 | JOB-SAVIO | M   | SCIENCE-CS |           87 |
|    1011 | RAMU      | M   | HUMANITIES |           80 |
+---------+-----------+-----+------------+--------------+
10 rows in set (0.00 sec)
```

Q-12 Display the details of students where who is studing humanities and commerce.

```
mysql> select * from students where GP_NAME='HUMANITIES' or GP_NAME='commerce';
+---------+---------+-----+------------+--------------+
| ADD_NO  | SNAME   | SEX | GP_NAME    | QUAL_PERCEN  |
+---------+---------+-----+------------+--------------+
|    1001 | NAVNEET | M   | commerce   |           86 |
|    1003 | LAKSHMI | F   | COMMERCE   |           92 |
|    1007 | REHNA   | F   | COMMERCE   |           65 |
|    1009 | SNEHA   | F   | COMMERCE   |           91 |
|    1011 | RAMU    | M   | HUMANITIES |           80 |
+---------+---------+-----+------------+--------------+
5 rows in set (0.00 sec)
```

Q-13 Display the details of Students who is Study in Science_bs and Science_CS;

```
mysql> select * from students where GP_NAME in ('Science_BS', 'Science_CS');
+---------+---------+-----+------------+--------------+
| ADD_NO  | SNAME   | SEX | GP_NAME    | QUAL_PERCEN  |
+---------+---------+-----+------------+--------------+
|    1002 | Mayank  | M   | Science_CS |           95 |
+---------+---------+-----+------------+--------------+
1 row in set (0.00 sec)
```

Q-14 Display the list of students not study in humanities and commerce ?

```
mysql> select * from students where GP_NAME not in ('Science_BS', 'Science_CS');
+--------+----------+-----+------------+-------------+
| ADD_NO | SNAME    | SEX | GP_NAME    | QUAL_PERCEN |
+--------+----------+-----+------------+-------------+
|   1001 | NAVNEET  | M   | commerce   |          86 |
|   1003 | LAKSHMI  | F   | COMMERCE   |          92 |
|   1005 | NIKETH   | M   | SCIENCE-CS |          86 |
|   1006 | RESHMA   | F   | SCIENCE-BS |          81 |
|   1007 | REHNA    | F   | COMMERCE   |          65 |
|   1008 | SONU     | M   | SCIENCE-BS |          81 |
|   1009 | SNEHA    | F   | COMMERCE   |          91 |
|   1010 | JOB-SAVIO| M   | SCIENCE-CS |          87 |
|   1011 | RAMU     | M   | HUMANITIES |          80 |
+--------+----------+-----+------------+-------------+
9 rows in set (0.00 sec)
```

Q-15 Display the list of Students whose QUAL_PERCEN>80 to 90

```
mysql> select * from students where QUAL_PERCEN between 80 and 90;
+--------+----------+-----+------------+-------------+
| ADD_NO | SNAME    | SEX | GP_NAME    | QUAL_PERCEN |
+--------+----------+-----+------------+-------------+
|   1001 | NAVNEET  | M   | commerce   |          86 |
|   1005 | NIKETH   | M   | SCIENCE-CS |          86 |
|   1006 | RESHMA   | F   | SCIENCE-BS |          81 |
|   1008 | SONU     | M   | SCIENCE-BS |          81 |
|   1010 | JOB-SAVIO| M   | SCIENCE-CS |          87 |
|   1011 | RAMU     | M   | HUMANITIES |          80 |
+--------+----------+-----+------------+-------------+
6 rows in set (0.00 sec)
```

Q-16 Display the female students of Science_CS Department.

```
mysql> select * from students where SEX='F' and GP_NAME='Science_CS';
Empty set (0.00 sec)
```

Q-17 Display the details of students either these is humanities group or Qual_percentage>90

```
mysql> select * from students where GP_NAME='HUMANITIES' or QUAL_PERCEN>90;
+--------+---------+-----+------------+-------------+
| ADD_NO | SNAME   | SEX | GP_NAME    | QUAL_PERCEN |
+--------+---------+-----+------------+-------------+
|   1002 | Mayank  | M   | Science_CS |          95 |
|   1003 | LAKSHMI | F   | COMMERCE   |          92 |
|   1009 | SNEHA   | F   | COMMERCE   |          91 |
|   1011 | RAMU    | M   | HUMANITIES |          80 |
+--------+---------+-----+------------+-------------+
4 rows in set (0.00 sec)
```

Q-18 Display the Students name and group name where group name not in SCIENCE_CS, Commerce, Humanities.

```
mysql> select SNAME,GP_NAME from students where GP_NAME not in ('Science_CS', 'COM
MERCE', 'HUMANITIES');
+-----------+------------+
| SNAME     | GP_NAME    |
+-----------+------------+
| NIKETH    | SCIENCE-CS |
| RESHMA    | SCIENCE-BS |
| SONU      | SCIENCE-BS |
| JOB-SAVIO | SCIENCE-CS |
+-----------+------------+
4 rows in set (0.00 sec)
```