

## ASSIGNMENT NO : 3 (A)

Name : Ronak Sanjay Rahane

Roll No : 26

Batch : TE - B2

### PROBLEM STATEMENT :

Create following table

Table Name : Student\_Mark

Table Column Name : Rollno, Name, Marks, Branch

Apply primary key constraint

Insert four records

1 Ravi 90 Computer

2 Vedika 70 Computer

3 Aarush 95 IT

4 Jyoti 60 IT

Display Student Having marks above 70

Display Student Having marks Below 70

Display Student Having marks equal to 70 and name is Vedika

Change Student Name Ravi to Sachin

Delete Student whose name is Aarush

Write a Function to display student having max mark.

Display Minimum, Maximum, Average, Sum, Total count of each branch

### Output :

```
gescoe@gescoe-OptiPlex-3010:~$ mysql -h 192.168.2.232 -u TEB26 -p
```

```
Enter password:
```

```
Welcome to the MySQL monitor. Commands end with ; or \g.
```

```
Your MySQL connection id is 29
```

```
mysql> create database Dbms_26;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> use Dbms_26;
```

```
Database changed
```

```
mysql> create table student_mark(rollno numeric,name varchar(10),marks numeric,branch  
varchar(10));
```

```
Query OK, 0 rows affected (0.30 sec)
```

```
mysql> insert into student_mark
```

```
values(1,'ravi',90,'computer'),(2,'vedika',70,'computer'),(3,'aarush',95,'it'),(4,'jyoti',60,'IT');
```

Query OK, 4 rows affected (0.04 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> select \* from student\_mark;

rollno	name	marks	branch
1	ravi	90	computer
2	vedika	70	computer
3	aarush	95	it
4	jyoti	60	IT

4 rows in set (0.01 sec)

mysql> select \* from student\_mark where marks>70;

rollno	name	marks	branch
1	ravi	90	computer
3	aarush	95	it

2 rows in set (0.00 sec)

mysql> select \* from student\_mark where marks<70;

rollno	name	marks	branch
4	jyoti	60	IT

1 row in set (0.00 sec)

mysql> update student\_mark set name='sachin' where name='ravi';

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> delete from student\_mark where name='aarush';

Query OK, 1 row affected (0.06 sec)

mysql> select \* from student\_mark;

rollno	name	marks	branch
1	sachin	90	computer
2	vedika	70	computer
4	jyoti	60	IT

3 rows in set (0.00 sec)mysql> select max(marks) from student\_mark;

```
+-----+
| max(marks) |
```

```
+-----+
| 90 |
```

```
+-----+
1 row in set (0.00 sec)
```

```
mysql> select max(marks) from student_mark where branch='computer';
```

```
+-----+
| max(marks) |
```

```
+-----+
| 90 |
```

```
+-----+
1 row in set (0.00 sec)
```

```
mysql> select max(marks) from student_mark where branch='IT';
```

```
+-----+
| max(marks) |
```

```
+-----+
| 60 |
```

```
+-----+
1 row in set (0.00 sec)
```

```
mysql> select min(marks) from student_mark where branch='IT';
```

```
+-----+
| min(marks) |
```

```
+-----+
| 60 |
```

```
+-----+
1 row in set (0.00 sec)
```

```
mysql> select min(marks) from student_mark where branch='computer';
```

```
+-----+
| min(marks) |
```

```
+-----+
| 70 |
```

```
+-----+
1 row in set (0.00 sec)
```

```
mysql> select avg(marks) from student_mark where branch='computer';
```

```
+-----+
| avg(marks) |
```

```
+-----+
| 80.0000 |
```

```
+-----+
1 row in set (0.00 sec)
```

```
mysql> select avg(marks) from student_mark where branch='IT';
```

```
+-----+
| avg(marks) |
```

```
+-----+
```

```

| 60.0000 |
+-----+
1 row in set (0.00 sec)
mysql> select sum(marks) from student_mark where branch='computer';
+-----+
| sum(marks) |
+-----+
| 160 |
+-----+
1 row in set (0.00 sec)
mysql> select count(marks) from student_mark where branch='computer';
+-----+
| count(marks) |
+-----+
| 2 |
+-----+
1 row in set (0.00 sec)
mysql> select count(marks) from student_mark where branch='IT';
+-----+
| count(marks) |
+-----+
| 1 |
+-----+
mysql>

```

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