Enter password: \*\*\*

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

Your MySQL connection id is 1

Server version: 5.0.45-community-nt MySQL Community Edition (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| aaa |

| login1 |

| mysql |

| student |

| test |

+--------------------+

6 rows in set (0.00 sec)

mysql> create database college;

Query OK, 1 row affected (0.02 sec)

mysql> use college;

Database changed

mysql> create table student(Rno int(3),Name varchar(20),Subject varchar(20),Mark

s float(2));

Query OK, 0 rows affected (0.05 sec)

mysql> desc student;

+---------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------+-------------+------+-----+---------+-------+

| Rno | int(3) | YES | | NULL | |

| Name | varchar(20) | YES | | NULL | |

| Subject | varchar(20) | YES | | NULL | |

| Marks | float | YES | | NULL | |

+---------+-------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> insert into student values(1,"AAA","DBMS",65);

Query OK, 1 row affected (0.02 sec)

mysql> insert into student values(2,"BBB","TOC",78);

Query OK, 1 row affected (0.01 sec)

mysql> insert into student values(3,"CCC","CNS",80);

Query OK, 1 row affected (0.02 sec)

mysql> insert into student values(1,"AAA","TOC",80.5);

Query OK, 1 row affected (0.02 sec)

mysql> insert into student values(2,"BBB","CNS",81.2);

Query OK, 1 row affected (0.02 sec)

mysql> insert into student values(3,"CCC","DBMS",82);

Query OK, 1 row affected (0.01 sec)

mysql> insert into student values(1,"AAA","CNS",90.3);

Query OK, 1 row affected (0.00 sec)

mysql> insert into student values(2,"BBB","DBMS",85);

Query OK, 1 row affected (0.01 sec)

mysql> insert into student values(2,"CCC","TOC",88.4);

Query OK, 1 row affected (0.02 sec)

mysql> select \* from student;

+------+------+---------+-------+

| Rno | Name | Subject | Marks |

+------+------+---------+-------+

| 1 | AAA | DBMS | 65 |

| 2 | BBB | TOC | 78 |

| 3 | CCC | CNS | 80 |

| 1 | AAA | TOC | 80.5 |

| 2 | BBB | CNS | 81.2 |

| 3 | CCC | DBMS | 82 |

| 1 | AAA | CNS | 90.3 |

| 2 | BBB | DBMS | 85 |

| 2 | CCC | TOC | 88.4 |

+------+------+---------+-------+

9 rows in set (0.00 sec)

mysql> update student set Rno=3 where Marks=88.4;

Query OK, 0 rows affected (0.02 sec)

Rows matched: 0 Changed: 0 Warnings: 0

mysql> select \* from student;

+------+------+---------+-------+

| Rno | Name | Subject | Marks |

+------+------+---------+-------+

| 1 | AAA | DBMS | 65 |

| 2 | BBB | TOC | 78 |

| 3 | CCC | CNS | 80 |

| 1 | AAA | TOC | 80.5 |

| 2 | BBB | CNS | 81.2 |

| 3 | CCC | DBMS | 82 |

| 1 | AAA | CNS | 90.3 |

| 2 | BBB | DBMS | 85 |

| 2 | CCC | TOC | 88.4 |

+------+------+---------+-------+

9 rows in set (0.00 sec)

mysql> update student set Rno=3 where Marks=88.4;

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

mysql> update student

-> set Rno=3

-> where Name="CCC";

Query OK, 1 row affected (0.01 sec)

Rows matched: 3 Changed: 1 Warnings:

mysql> select \* from student;

+------+------+---------+-------+

| Rno | Name | Subject | Marks |

+------+------+---------+-------+

| 1 | AAA | DBMS | 65 |

| 2 | BBB | TOC | 78 |

| 3 | CCC | CNS | 80 |

| 1 | AAA | TOC | 80.5 |

| 2 | BBB | CNS | 81.2 |

| 3 | CCC | DBMS | 82 |

| 1 | AAA | CNS | 90.3 |

| 2 | BBB | DBMS | 85 |

| 3 | CCC | TOC | 88.4 |

+------+------+---------+-------+

9 rows in set (0.00 sec)

mysql> select max(marks) from student;

+-----------------+

| max(marks) |

+-----------------+

| 90.300003051758 |

+-----------------+

1 row in set (0.01 sec)

mysql> select min(marks) from student;

+------------+

| min(marks) |

+------------+

| 65 |

+------------+

1 row in set (0.00 sec)

mysql> select avg(marks) from student where name="AAA";

+-----------------+

| avg(marks) |

+-----------------+

| 78.600001017253 |

+-----------------+

1 row in set (0.01 sec)

mysql> select sum(marks) from student where Rno=3;

+-----------------+

| sum(marks) |

+-----------------+

| 250.40000152588 |

+-----------------+

1 row in set (0.00 sec)

mysql> select distinct(Name)from student;

+------+

| Name |

+------+

| AAA |

| BBB |

| CCC |

+------+

3 rows in set (0.00 sec)

mysql> select count(distinct(name)) from student;

+-----------------------+

| count(distinct(name)) |

+-----------------------+

| 3 |

+-----------------------+

1 row in set (0.00 sec)

mysql> select Name from student order by Rno desc;

+------+

| Name |

+------+

| CCC |

| CCC |

| CCC |

| BBB |

| BBB |

| BBB |

| AAA |

| AAA |

| AAA |

+------+

9 rows in set (0.00 sec)

mysql> select Name from student order by Rno asc;

+------+

| Name |

+------+

| AAA |

| AAA |

| AAA |

| BBB |

| BBB |

| BBB |

| CCC |

| CCC |

| CCC |

+------+

9 rows in set (0.00 sec)

mysql> select Name,Marks,Subject from student order by Rno asc;

+------+-------+---------+

| Name | Marks | Subject |

+------+-------+---------+

| AAA | 65 | DBMS |

| AAA | 80.5 | TOC |

| AAA | 90.3 | CNS |

| BBB | 78 | TOC |

| BBB | 81.2 | CNS |

| BBB | 85 | DBMS |

| CCC | 80 | CNS |

| CCC | 82 | DBMS |

| CCC | 88.4 | TOC |

+------+-------+---------+

9 rows in set (0.00 sec)

mysql> select max(Marks) as "2nd highest Marks"

-> from student where Marks<(select max(Marks) from student);

+-------------------+

| 2nd highest Marks |

+-------------------+

| 88.400001525879 |

+-------------------+

1 row in set (0.00 sec)

mysql>