mysql> create table stud(rollno int,name varchar(25),sub varchar(10),marks int);

Query OK, 0 rows affected (1.32 sec)

mysql> describe stud;

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

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

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

| rollno | int(11) | YES | | NULL | |

| name | varchar(25) | YES | | NULL | |

| sub | varchar(10) | YES | | NULL | |

| marks | int(11) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> insert into stud values (1,"Rachna","DBMS",54);

Query OK, 1 row affected (0.43 sec)

mysql> insert into stud values (2,"Sumitra","DBMS",70);

Query OK, 1 row affected (0.24 sec)

mysql> insert into stud values (3,"Rvai","DBMS",69);

Query OK, 1 row affected (0.05 sec)

mysql> insert into stud values (3,"Nisha","DBMS",65);

Query OK, 1 row affected (0.53 sec)

mysql> select \* from stud;

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

| rollno | name | sub | marks |

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

| 1 | Rachna | DBMS | 54 |

| 2 | Sumitra | DBMS | 70 |

| 3 | Rvai | DBMS | 69 |

| 3 | Nisha | DBMS | 65 |

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

4 rows in set (0.00 sec)

mysql> update stud set name="Ravi" where rollno=3;

Query OK, 2 rows affected (0.14 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> select \* from stud;

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

| rollno | name | sub | marks |

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

| 1 | Rachna | DBMS | 54 |

| 2 | Sumitra | DBMS | 70 |

| 3 | Ravi | DBMS | 69 |

| 3 | Ravi | DBMS | 65 |

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

4 rows in set (0.00 sec)

mysql> delete from stud where rollno=3;

Query OK, 2 rows affected (0.12 sec)

mysql> select \* from stud;

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

| rollno | name | sub | marks |

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

| 1 | Rachna | DBMS | 54 |

| 2 | Sumitra | DBMS | 70 |

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

2 rows in set (0.00 sec)

mysql> insert into stud values (3,"Ravi","DBMS",69);

Query OK, 1 row affected (0.41 sec)

mysql> insert into stud values (4,"Nisha","DBMS",70);

Query OK, 1 row affected (0.12 sec)

mysql> select \* from stud where rollno > 2;

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

| rollno | name | sub | marks |

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

| 3 | Ravi | DBMS | 69 |

| 4 | Nisha | DBMS | 70 |

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

2 rows in set (0.00 sec)

mysql> select \* from stud where marks > 60;

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

| rollno | name | sub | marks |

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

| 2 | Sumitra | DBMS | 70 |

| 3 | Ravi | DBMS | 69 |

| 4 | Nisha | DBMS | 70 |

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

3 rows in set (0.00 sec)

mysql> insert into stud values (5,"Abhinay","DBMS",59);

Query OK, 1 row affected (0.13 sec)

mysql> insert into stud values (6,"Pramod","TOC",59);

Query OK, 1 row affected (0.27 sec)

mysql> select \* from stud where marks > 60 and sub="DBMS";

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

| rollno | name | sub | marks |

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

| 2 | Sumitra | DBMS | 70 |

| 3 | Ravi | DBMS | 69 |

| 4 | Nisha | DBMS | 70 |

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

3 rows in set (0.00 sec)

mysql> select \* from stud where marks > 60 or rollno > 4;

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

| rollno | name | sub | marks |

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

| 2 | Sumitra | DBMS | 70 |

| 3 | Ravi | DBMS | 69 |

| 4 | Nisha | DBMS | 70 |

| 5 | Abhinay | DBMS | 59 |

| 6 | Pramod | TOC | 59 |

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

5 rows in set (0.00 sec)

mysql> select marks,name from stud where not sub="DBMS";

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

| marks | name |

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

| 59 | Pramod |

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

1 row in set (0.00 sec)

mysql> select MAX(marks) from stud;

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

| MAX(marks) |

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

| 70 |

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

1 row in set (0.00 sec)

mysql> select MAX(marks) from stud where sub="DBMS";

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

| MAX(marks) |

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

| 70 |

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

1 row in set (0.00 sec)

mysql> select MAX(marks) from stud where sub="TOC";

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

| MAX(marks) |

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

| 59 |

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

1 row in set (0.00 sec)

mysql> select MIN(marks) from stud where sub="DBMS";

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

| MIN(marks) |

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

| 54 |

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

1 row in set (0.00 sec)

mysql> select count(marks) from stud where sub="DBMS";

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

| count(marks) |

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

| 5 |

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

1 row in set (0.00 sec)

mysql> select count(marks) from stud where sub="TOC";

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

| count(marks) |

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

| 1 |

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

1 row in set (0.00 sec)

mysql> select avg(marks) from stud;

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

| avg(marks) |

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

| 63.5000 |

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

1 row in set (0.00 sec)

mysql> select avg(marks) from stud where sub = "DBMS";

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

| avg(marks) |

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

| 64.4000 |

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

1 row in set (0.00 sec)

mysql> select sum(marks) from stud where sub = "DBMS";

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

| sum(marks) |

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

| 322 |

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

1 row in set (0.00 sec)

mysql> select sum(marks) from stud;

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

| sum(marks) |

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

| 381 |

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

1 row in set (0.00 sec)

mysql> select distinct sub from stud;

+------+

| sub |

+------+

| DBMS |

| TOC |

+------+

2 rows in set (0.00 sec)

mysql> select name from stud where name LIKE "R%";

+--------+

| name |

+--------+

| Rachna |

| Ravi |

+--------+

2 rows in set (0.00 sec)

mysql> select \* from stud where marks between 60 and 70;

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

| rollno | name | sub | marks |

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

| 2 | Sumitra | DBMS | 70 |

| 3 | Ravi | DBMS | 69 |

| 4 | Nisha | DBMS | 70 |

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

3 rows in set (0.00 sec)

mysql> select \* from stud order by name,sub,marks;

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

| rollno | name | sub | marks |

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

| 5 | Abhinay | DBMS | 59 |

| 4 | Nisha | DBMS | 70 |

| 6 | Pramod | TOC | 59 |

| 1 | Rachna | DBMS | 54 |

| 3 | Ravi | DBMS | 69 |

| 2 | Sumitra | DBMS | 70 |

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

6 rows in set (0.01 sec)

mysql> select \* from stud order by sub,marks;

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

| rollno | name | sub | marks |

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

| 1 | Rachna | DBMS | 54 |

| 5 | Abhinay | DBMS | 59 |

| 3 | Ravi | DBMS | 69 |

| 2 | Sumitra | DBMS | 70 |

| 4 | Nisha | DBMS | 70 |

| 6 | Pramod | TOC | 59 |

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

6 rows in set (0.00 sec)

mysql> select sub from stud Group by sub;

+------+

| sub |

+------+

| DBMS |

| TOC |

+------+

2 rows in set (0.00 sec)

mysql> select sub from stud Group by sub,rollno;

+------+

| sub |

+------+

| DBMS |

| DBMS |

| DBMS |

| DBMS |

| DBMS |

| TOC |

+------+

6 rows in set (0.00 sec)

mysql> select \* from stud order by marks ASC;

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

| rollno | name | sub | marks |

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

| 1 | Rachna | DBMS | 54 |

| 5 | Abhinay | DBMS | 59 |

| 6 | Pramod | TOC | 59 |

| 3 | Ravi | DBMS | 69 |

| 2 | Sumitra | DBMS | 70 |

| 4 | Nisha | DBMS | 70 |

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

6 rows in set (0.00 sec)

mysql> select \* from stud order by marks DESC;

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

| rollno | name | sub | marks |

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

| 2 | Sumitra | DBMS | 70 |

| 4 | Nisha | DBMS | 70 |

| 3 | Ravi | DBMS | 69 |

| 5 | Abhinay | DBMS | 59 |

| 6 | Pramod | TOC | 59 |

| 1 | Rachna | DBMS | 54 |

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

6 rows in set (0.00 sec)

mysql> create table lib(rollno int,name varchar(25),bname varchar(20));

Query OK, 0 rows affected (0.52 sec)

mysql> select rollno from stud union select rollno from lib;

+--------+

| rollno |

+--------+

| 1 |

| 2 |

| 3 |

| 4 |

| 5 |

| 6 |

+--------+

6 rows in set (0.00 sec)

mysql> select rollno from stud union select name from lib;

+---------+

| rollno |

+---------+

| 1 |

| 2 |

| 3 |

| 4 |

| 5 |

| 6 |

| Rachna |

| Sumitra |

| Ravi |

| Nisha |

+---------+

10 rows in set (0.00 sec)

mysql> select name from stud union select bname from lib;

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

| name |

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

| Rachna |

| Sumitra |

| Ravi |

| Nisha |

| Abhinay |

| Pramod |

| Korth |

| LUsC |

| Kulkarni |

| E Balguruswamy |

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

10 rows in set (0.00 sec)