mysql> select \* from students;

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

| Sr\_no | Name | Marks |

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

| 1 | Reena | 200 |

| 2 | Mona | 200 |

| 3 | Rohan | 100 |

| 4 | Sona | 150 |

| 5 | Uma | 199 |

| 6 | Vamika | 201 |

| 7 | Rahul | 199 |

| 8 | Rahul | 200 |

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

8 rows in set (0.00 sec)

mysql> select count(\*) from students;

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

| count(\*) |

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

| 8 |

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

1 row in set (0.00 sec)

mysql> select sun(marks) from students;

ERROR 1305 (42000): FUNCTION practices.sun does not exist

mysql> select sum(marks) as FullMarks from students;

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

| FullMarks |

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

| 1449 |

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

1 row in set (0.00 sec)

mysql> select avg(marks) from students;

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

| avg(marks) |

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

| 181.1250 |

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

1 row in set (0.00 sec)

mysql> select min(marks) from students;

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

| min(marks) |

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

| 100 |

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

1 row in set (0.00 sec)

mysql> select max(marks) from students;

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

| max(marks) |

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

| 201 |

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

1 row in set (0.00 sec)

mysql> select group\_concat(name) as GroupName from students;

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

| GroupName |

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

| Reena,Mona,Rohan,Sona,Uma,Vamika,Rahul,Rahul |

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

1 row in set (0.00 sec)

mysql> select name, Count(\*) as nameIn from students;

ERROR 1140 (42000): In aggregated query without GROUP BY, expression #1 of SELECT list contains nonaggregated column 'practices.students.Name'; this is incompatible with sql\_mode=only\_full\_group\_by

mysql> select name, Count(\*) as nameIn from students group by namein;

ERROR 1056 (42000): Can't group on 'nameIn'

mysql> select name, Count(\*) as nameIn from students group by name;

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

| name | nameIn |

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

| Reena | 1 |

| Mona | 1 |

| Rohan | 1 |

| Sona | 1 |

| Uma | 1 |

| Vamika | 1 |

| Rahul | 2 |

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

7 rows in set (0.00 sec)

mysql> select name, count(\*) as namein from students group by name having namein<=2;

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

| name | namein |

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

| Reena | 1 |

| Mona | 1 |

| Rohan | 1 |

| Sona | 1 |

| Uma | 1 |

| Vamika | 1 |

| Rahul | 2 |

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

7 rows in set (0.00 sec)

mysql> select name, count(\*) as namein from students group by name having namein=2;

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

| name | namein |

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

| Rahul | 2 |

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

1 row in set (0.00 sec)

mysql> select name, count(\*) as namein from students group by name having namein<=1;

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

| name | namein |

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

| Reena | 1 |

| Mona | 1 |

| Rohan | 1 |

| Sona | 1 |

| Uma | 1 |

| Vamika | 1 |

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

6 rows in set (0.00 sec)

mysql> create table people(sr\_id int primary key auto\_increment, name varchar(50), city varchar(50), p

rice int, product varchar(50))

-> ;

Query OK, 0 rows affected (0.06 sec)

mysql> insert into people(name, city, product, price)values("Poonam", "Mumbai", "Light", 20);

Query OK, 1 row affected (0.01 sec)

mysql> insert into people(name, city, product, price)values("Soonam", "Mumbai", "Light", 30);

Query OK, 1 row affected (0.01 sec)

mysql> insert into people(name, city, product, price)values("Soon", "Delhi", "bottel", 15),("Reena", "Maharshtra", "Laptop", 100),("Uma", "Pune", "Sabji", 150),("Riyaz", "Delhi", "Sabji", 140),("Roma", "Pune", "Laptop", 100);

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> desc people;

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

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

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

| sr\_id | int | NO | PRI | NULL | auto\_increment |

| name | varchar(50) | YES | | NULL | |

| city | varchar(50) | YES | | NULL | |

| price | int | YES | | NULL | |

| product | varchar(50) | YES | | NULL | |

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

5 rows in set (0.01 sec)

mysql> select \* from people;

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 3 | Soon | Delhi | 15 | bottel |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 5 | Uma | Pune | 150 | Sabji |

| 6 | Riyaz | Delhi | 140 | Sabji |

| 7 | Roma | Pune | 100 | Laptop |

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

7 rows in set (0.00 sec)

mysql> select \* from people where price=20;

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

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

1 row in set (0.00 sec)

mysql> select \* from people where price>18;

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 5 | Uma | Pune | 150 | Sabji |

| 6 | Riyaz | Delhi | 140 | Sabji |

| 7 | Roma | Pune | 100 | Laptop |

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

6 rows in set (0.00 sec)

mysql> select \* from people where price<100;

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 3 | Soon | Delhi | 15 | bottel |

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

3 rows in set (0.00 sec)

mysql> select \* from people where price>=150;

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

| sr\_id | name | city | price | product |

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

| 5 | Uma | Pune | 150 | Sabji |

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

1 row in set (0.00 sec)

mysql> select \* from people where price<=100;

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 3 | Soon | Delhi | 15 | bottel |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 7 | Roma | Pune | 100 | Laptop |

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

5 rows in set (0.00 sec)

mysql> select \* from people where price<>100;

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 3 | Soon | Delhi | 15 | bottel |

| 5 | Uma | Pune | 150 | Sabji |

| 6 | Riyaz | Delhi | 140 | Sabji |

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

5 rows in set (0.00 sec)

mysql> select \* from people where price!=100;

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 3 | Soon | Delhi | 15 | bottel |

| 5 | Uma | Pune | 150 | Sabji |

| 6 | Riyaz | Delhi | 140 | Sabji |

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

5 rows in set (0.00 sec)

mysql> select \* from people where price between 100 and 150;

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

| sr\_id | name | city | price | product |

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

| 4 | Reena | Maharshtra | 100 | Laptop |

| 5 | Uma | Pune | 150 | Sabji |

| 6 | Riyaz | Delhi | 140 | Sabji |

| 7 | Roma | Pune | 100 | Laptop |

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

4 rows in set (0.00 sec)

mysql> select \* from people where price between 100 or 150;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'or 150' at line 1

mysql> select \* from people where city like "De%";

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

| sr\_id | name | city | price | product |

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

| 3 | Soon | Delhi | 15 | bottel |

| 6 | Riyaz | Delhi | 140 | Sabji |

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

2 rows in set (0.00 sec)

mysql> select \* from people where city like "%ha";

Empty set (0.00 sec)

mysql> select \* from people where city like "%ha%";

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

| sr\_id | name | city | price | product |

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

| 4 | Reena | Maharshtra | 100 | Laptop |

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

1 row in set (0.00 sec)

mysql> select \* from people where city like "%ai";

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

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

2 rows in set (0.00 sec)

mysql> select \* from people where city in("mumbai");

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

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

2 rows in set (0.00 sec)

mysql> select \* from people where city not in("mumbai");

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

| sr\_id | name | city | price | product |

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

| 3 | Soon | Delhi | 15 | bottel |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 5 | Uma | Pune | 150 | Sabji |

| 6 | Riyaz | Delhi | 140 | Sabji |

| 7 | Roma | Pune | 100 | Laptop |

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

5 rows in set (0.00 sec)

mysql> select \* from people where city="Delhi";

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

| sr\_id | name | city | price | product |

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

| 3 | Soon | Delhi | 15 | bottel |

| 6 | Riyaz | Delhi | 140 | Sabji |

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

2 rows in set (0.00 sec)

mysql> select \* from people where city="Mumbai" and city="Delhi";

Empty set (0.00 sec)

mysql> select \* from people where city="Mumbai" or city="Delhi";

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 3 | Soon | Delhi | 15 | bottel |

| 6 | Riyaz | Delhi | 140 | Sabji |

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

4 rows in set (0.00 sec)

mysql> select \* from people where not city="Delhi";

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 5 | Uma | Pune | 150 | Sabji |

| 7 | Roma | Pune | 100 | Laptop |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

mysql> select \* from people where city="mumbai" and (name="poonam" or name="soon");

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

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

1 row in set (0.00 sec)

mysql> select \* from people where city="mumbai" and (name="poonam" or name="soonam");

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

| sr\_id | name | city | price | product |

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

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

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

2 rows in set (0.00 sec)

mysql> select \* from people where not city="mumbai" and not city="delhi";

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

| sr\_id | name | city | price | product |

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

| 4 | Reena | Maharshtra | 100 | Laptop |

| 5 | Uma | Pune | 150 | Sabji |

| 7 | Roma | Pune | 100 | Laptop |

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

3 rows in set (0.00 sec)

Order by

mysql> select \* from people order by price;

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

| sr\_id | name | city | price | product |

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

| 3 | Soon | Delhi | 15 | bottel |

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 7 | Roma | Pune | 100 | Laptop |

| 6 | Riyaz | Delhi | 140 | Sabji |

| 5 | Uma | Pune | 150 | Sabji |

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

7 rows in set (0.00 sec)

mysql> select \* from people order by name desc;

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

| sr\_id | name | city | price | product |

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

| 5 | Uma | Pune | 150 | Sabji |

| 2 | Soonam | Mumbai | 30 | Light |

| 3 | Soon | Delhi | 15 | bottel |

| 7 | Roma | Pune | 100 | Laptop |

| 6 | Riyaz | Delhi | 140 | Sabji |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 1 | Poonam | Mumbai | 20 | Light |

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

7 rows in set (0.00 sec)

mysql> select \* from people order by city, name;

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

| sr\_id | name | city | price | product |

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

| 6 | Riyaz | Delhi | 140 | Sabji |

| 3 | Soon | Delhi | 15 | bottel |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 7 | Roma | Pune | 100 | Laptop |

| 5 | Uma | Pune | 150 | Sabji |

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

7 rows in set (0.00 sec)

mysql> select \* from people order by price, city;

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

| sr\_id | name | city | price | product |

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

| 3 | Soon | Delhi | 15 | bottel |

| 1 | Poonam | Mumbai | 20 | Light |

| 2 | Soonam | Mumbai | 30 | Light |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 7 | Roma | Pune | 100 | Laptop |

| 6 | Riyaz | Delhi | 140 | Sabji |

| 5 | Uma | Pune | 150 | Sabji |

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

7 rows in set (0.00 sec)

mysql> select \* from people order by city asc, name desc;

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

| sr\_id | name | city | price | product |

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

| 3 | Soon | Delhi | 15 | bottel |

| 6 | Riyaz | Delhi | 140 | Sabji |

| 4 | Reena | Maharshtra | 100 | Laptop |

| 2 | Soonam | Mumbai | 30 | Light |

| 1 | Poonam | Mumbai | 20 | Light |

| 5 | Uma | Pune | 150 | Sabji |

| 7 | Roma | Pune | 100 | Laptop |

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

7 rows in set (0.00 sec)