Enter password: \*\*\*\*

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

Your MySQL connection id is 2

Server version: 5.5.16 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

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

| Database |

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

| information\_schema |

| amit |

| data |

| mysql |

| performance\_schema |

| test |

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

6 rows in set (0.01 sec)

mysql> use data;

Database changed

mysql> show tables;

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

| Tables\_in\_data |

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

| deptdetails |

| studentdeptdetails2 |

| studentdetails |

| studentmarks |

| subjectdeptdetails |

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

5 rows in set (0.05 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 |

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

7 rows in set (0.00 sec)

mysql> insert into studentdetails values(11,vijay,kumar,kumar@7565,female,ranchi,852,45);

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 '@7565,female,ranchi,852,45)' at line 1

mysql> insert into studentdetails values(11,"vijay","kumar","kumar@7565","female","ranchi",852,45);

Query OK, 1 row affected (0.00 sec)

mysql> insert into studentdetails values(11,"Priyanka","Reddy","reddy@8954","female","Agra",732,50);

ERROR 1062 (23000): Duplicate entry '11' for key 'PRIMARY'

mysql> insert into studentdetails values(12,"Priyanka","Reddy","reddy@8954","female","Agra",732,50);

Query OK, 1 row affected (0.00 sec)

mysql> insert into studentdetails values(13,"Palak","Devi","shri@9411","female","Delhi",985,74);

Query OK, 1 row affected (0.00 sec)

mysql> insert into studentdetails values(14,"Aardhi","sharma","AS@9411","female","Manali",231,55);

Query OK, 1 row affected (0.00 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 |

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

11 rows in set (0.00 sec)

mysql> select address from studentdetails;

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

| address |

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

| Himachal Pradesh |

| Himachal Pradesh |

| jh |

| rch |

| Himachal Pradesh |

| Himachal Pradesh |

| Himachal Pradesh |

| ranchi |

| Agra |

| Delhi |

| Manali |

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

11 rows in set (0.00 sec)

mysql> select address from studentdetails group by address;

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

| address |

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

| Agra |

| Delhi |

| Himachal Pradesh |

| jh |

| Manali |

| ranchi |

| rch |

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

7 rows in set (0.00 sec)

mysql> select count(address)from studentdetails group by address;

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

| count(address) |

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

| 1 |

| 1 |

| 5 |

| 1 |

| 1 |

| 1 |

| 1 |

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

7 rows in set (0.00 sec)

mysql> select address, count(address)from studentdetails group by address;

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

| address | count(address) |

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

| Agra | 1 |

| Delhi | 1 |

| Himachal Pradesh | 5 |

| jh | 1 |

| Manali | 1 |

| ranchi | 1 |

| rch | 1 |

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

7 rows in set (0.00 sec)

mysql> select address, count(address)from studentdetails group by address order by count(address);

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

| address | count(address) |

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

| jh | 1 |

| rch | 1 |

| ranchi | 1 |

| Agra | 1 |

| Delhi | 1 |

| Manali | 1 |

| Himachal Pradesh | 5 |

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

7 rows in set (0.00 sec)

mysql> select address, count(address)from studentdetails group by address order by count(address) desc limit 3 ;

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

| address | count(address) |

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

| Himachal Pradesh | 5 |

| jh | 1 |

| rch | 1 |

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

3 rows in set (0.00 sec)

mysql> select address, count(address)from studentdetails group by address order by count(address)=>5;

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 '=>5' at line 1

mysql> select address, count(address)from studentdetails group by address order by count(address)>5;

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

| address | count(address) |

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

| rch | 1 |

| ranchi | 1 |

| Agra | 1 |

| Delhi | 1 |

| Manali | 1 |

| Himachal Pradesh | 5 |

| jh | 1 |

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

7 rows in set (0.00 sec)

mysql> select address, count(address)from studentdetails group by address having count(address)>=5;

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

| address | count(address) |

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

| Himachal Pradesh | 5 |

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

1 row in set (0.00 sec)

mysql> select gender from studetdetails;

ERROR 1146 (42S02): Table 'data.studetdetails' doesn't exist

mysql> select gender from studentdetails;

+--------+

| gender |

+--------+

| male |

| male |

| male |

| male |

| female |

| male |

| male |

| female |

| female |

| female |

| female |

+--------+

11 rows in set (0.00 sec)

mysql> select gender from studentdetails group by gender;

+--------+

| gender |

+--------+

| female |

| male |

+--------+

2 rows in set (0.00 sec)

mysql> select gender count(gender) from studentdetails group by gender;

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 'count(gender) from studentdetails group by gender' at line 1

mysql> select gender,count(gender) from studentdetails group by gender;

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

| gender | count(gender) |

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

| female | 5 |

| male | 6 |

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

2 rows in set (0.00 sec)

mysql> select studentid from studentdetails group by gender;

ERROR 1054 (42S22): Unknown column 'studentid' in 'field list'

mysql> select student\_id from studentdetails group by gender;

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

| student\_id |

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

| 6 |

| 1 |

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

2 rows in set (0.00 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 |

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

11 rows in set (0.00 sec)

mysql> select gender,count(student\_id) from studentdetails group by gender;

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

| gender | count(student\_id) |

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

| female | 5 |

| male | 6 |

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

2 rows in set (0.00 sec)

mysql> select gender,count(student\_id) from studentdetails group by gender having max(count(student\_id));

ERROR 1111 (HY000): Invalid use of group function

mysql> select gender, max(count(student\_id)) from studentdetails group by gender;

ERROR 1111 (HY000): Invalid use of group function

mysql> select max(count(student\_id)) from studentdetails group by gender;

ERROR 1111 (HY000): Invalid use of group function

mysql> select gender,max(student\_id) from studentdetails group by gender;

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

| gender | max(student\_id) |

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

| female | 14 |

| male | 10 |

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

2 rows in set (0.00 sec)

mysql> select gender,count(student\_id) from studentdetails group by gender order by count(student\_id) desc limit 1;

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

| gender | count(student\_id) |

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

| male | 6 |

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

1 row in set (0.00 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 |

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

11 rows in set (0.00 sec)

mysql> alter table studentdetails add column marks int;

Query OK, 11 rows affected (0.03 sec)

Records: 11 Duplicates: 0 Warnings: 0

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | NULL |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | NULL |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | NULL |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | NULL |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | NULL |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | NULL |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | NULL |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | NULL |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | NULL |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | NULL |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | NULL |

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

11 rows in set (0.00 sec)

mysql> update studentdetails set column marks=78 where student\_id =1;

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 'column marks=78 where student\_id =1' at line 1

mysql> update studentdetails set marks=78 where student\_id =1;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | NULL |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | NULL |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | NULL |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | NULL |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | NULL |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | NULL |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | NULL |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | NULL |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | NULL |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | NULL |

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

11 rows in set (0.00 sec)

mysql> update studentdetails set column marks=67 where student\_id =1;

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 'column marks=67 where student\_id =1' at line 1

mysql> update studentdetails set column marks=67 where student\_id =2;

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 'column marks=67 where student\_id =2' at line 1

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | NULL |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | NULL |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | NULL |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | NULL |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | NULL |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | NULL |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | NULL |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | NULL |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | NULL |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | NULL |

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

11 rows in set (0.00 sec)

mysql> update studentdetails set marks=67 where student\_id =2;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update studentdetails set marks=87 where student\_id =4;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update studentdetails set marks=97 where student\_id =5;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update studentdetails set marks=66 where student\_id =6;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update studentdetails set marks=57 where student\_id =8;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update studentdetails set marks=62 where student\_id =10;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update studentdetails set marks=81 where student\_id =11;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update studentdetails set marks=99 where student\_id =12;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update studentdetails set marks=51 where student\_id =13;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update studentdetails set marks=40 where student\_id =14;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | 67 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | 87 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | 97 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | 66 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | 57 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | 62 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | 81 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | 99 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | 51 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | 40 |

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

11 rows in set (0.00 sec)

mysql> select Fname,marks from studentdetails order by marks;

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

| Fname | marks |

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

| Aardhi | 40 |

| Palak | 51 |

| mohan | 57 |

| bba | 62 |

| seeta | 66 |

| Lokesh | 67 |

| vijay | 78 |

| vijay | 81 |

| ram | 87 |

| sham | 97 |

| Priyanka | 99 |

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

11 rows in set (0.00 sec)

mysql> select Fname,marks from studentdetails order by marks desc;

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

| Fname | marks |

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

| Priyanka | 99 |

| sham | 97 |

| ram | 87 |

| vijay | 81 |

| vijay | 78 |

| Lokesh | 67 |

| seeta | 66 |

| bba | 62 |

| mohan | 57 |

| Palak | 51 |

| Aardhi | 40 |

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

11 rows in set (0.00 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | 67 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | 87 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | 97 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | 66 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | 57 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | 62 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | 81 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | 99 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | 51 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | 40 |

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

11 rows in set (0.00 sec)

mysql> select Fname, max(marks) from studentdetails group by fname;

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

| Fname | max(marks) |

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

| Aardhi | 40 |

| bba | 62 |

| Lokesh | 67 |

| mohan | 57 |

| Palak | 51 |

| Priyanka | 99 |

| ram | 87 |

| seeta | 66 |

| sham | 97 |

| vijay | 81 |

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

10 rows in set (0.00 sec)

mysql> select Fname, sum(marks) from studentdetails group by fname;

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

| Fname | sum(marks) |

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

| Aardhi | 40 |

| bba | 62 |

| Lokesh | 67 |

| mohan | 57 |

| Palak | 51 |

| Priyanka | 99 |

| ram | 87 |

| seeta | 66 |

| sham | 97 |

| vijay | 159 |

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

10 rows in set (0.00 sec)

mysql> select Fname,max(marks) from studentdetails group by fname having sum(marks)>500;

Empty set (0.00 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | 67 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | 87 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | 97 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | 66 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | 57 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | 62 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | 81 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | 99 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | 51 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | 40 |

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

11 rows in set (0.00 sec)

mysql> insert into studentdetails values(1,"Lokesh","acz","lokesh@123",male,"AP",645,25,555);

ERROR 1054 (42S22): Unknown column 'male' in 'field list'

mysql> insert into studentdetails values(1,"Lokesh","acz","lokesh@123","male","AP",645,25,555);

ERROR 1062 (23000): Duplicate entry '1' for key 'PRIMARY'

mysql> insert into studentdetails values(15,"Lokesh","acz","lokesh@123","male","AP",645,25,555);

Query OK, 1 row affected (0.00 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | 67 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | 87 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | 97 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | 66 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | 57 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | 62 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | 81 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | 99 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | 51 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | 40 |

| 15 | Lokesh | acz | lokesh@123 | male | AP | 645 | 25 | 555 |

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

12 rows in set (0.00 sec)

mysql> select fname max(marks) from studentdetails group by fname having max(marks)>500 like fname l%;

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 'max(marks) from studentdetails group by fname having max(marks)>500 like fname l' at line 1

mysql> select fname, max(marks) from studentdetails group by fname having max(marks)>500 like fname l%;

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 'l%' at line 1

mysql> select fname, max(marks) from studentdetails group by fname having max(marks)>500 like fname "l%";

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 '"l%"' at line 1

mysql> select fname, max(marks) from studentdetails group by fname having max(marks)>500 fname like "l%";

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 'fname like "l%"' at line 1

mysql> select fname, max(marks) from studentdetails group by fname having max(marks)>500 and fname like "l%";

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

| fname | max(marks) |

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

| Lokesh | 555 |

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

1 row in set (0.00 sec)

mysql> select fname, max(marks) from studentdetails group by fname having sum(marks)>500 and fname like "l%";

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

| fname | max(marks) |

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

| Lokesh | 555 |

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

1 row in set (0.00 sec)

mysql> select fname, min(marks) from studentdetails group by fname having sum(marks)>600;

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

| fname | min(marks) |

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

| Lokesh | 67 |

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

1 row in set (0.00 sec)

mysql> select\*from subjectdepttable;

ERROR 1146 (42S02): Table 'data.subjectdepttable' doesn't exist

mysql> show tables

->

-> show tables;

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 'show tables' at line 3

mysql> show tables;

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

| Tables\_in\_data |

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

| deptdetails |

| studentdeptdetails2 |

| studentdetails |

| studentmarks |

| subjectdeptdetails |

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

5 rows in set (0.00 sec)

mysql> select\*from subjectdeptdetails;

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

| subject\_id | subject | dept\_id |

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

| 1 | Java | 10 |

| 2 | Python | 11 |

| 3 | javaScript | 12 |

| 4 | html | 13 |

| 5 | css | 14 |

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

5 rows in set (0.00 sec)

mysql> select subject from subjectdeptdetails subject like "p%";

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 'like "p%"' at line 1

mysql> select subject from subjectdeptdetails where subject like "p%";

+---------+

| subject |

+---------+

| Python |

+---------+

1 row in set (0.00 sec)

mysql> select subject from subjectdeptdetails where subject like "p%" and dept\_id in(1,2,7);

Empty set (0.00 sec)

mysql> select subject from subjectdeptdetails where subject like "p%" and dept\_id in(1,11,7);

+---------+

| subject |

+---------+

| Python |

+---------+

1 row in set (0.00 sec)

mysql> select\*from studentdetails where email\_id not in(@);

Empty set (0.00 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | 67 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | 87 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | 97 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | 66 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | 57 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | 62 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | 81 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | 99 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | 51 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | 40 |

| 15 | Lokesh | acz | lokesh@123 | male | AP | 645 | 25 | 555 |

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

12 rows in set (0.00 sec)

mysql> select\*from studentdetails where email\_id in(@);

Empty set (0.00 sec)

mysql> insert into studentdetails values(16,"Amit","Sharma","amitsharma7565","HP",534,24,96);

ERROR 1136 (21S01): Column count doesn't match value count at row 1

mysql> insert into studentdetails values(16,"Amit","Sharma","amitsharma7565","male","HP",534,24,96);

Query OK, 1 row affected (0.00 sec)

mysql> select\*from studentdetails where email\_id not in(@);

Empty set (0.00 sec)

mysql> select\*from studentdetails where email\_id not like "%@%";

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 16 | Amit | Sharma | amitsharma7565 | male | HP | 534 | 24 | 96 |

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

1 row in set (0.00 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | 67 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | 87 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | 97 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | 66 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | 57 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | 62 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | 81 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | 99 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | 51 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | 40 |

| 15 | Lokesh | acz | lokesh@123 | male | AP | 645 | 25 | 555 |

| 16 | Amit | Sharma | amitsharma7565 | male | HP | 534 | 24 | 96 |

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

13 rows in set (0.00 sec)

mysql> select Fname,Lname from studentdetails order by Fname desc;

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

| Fname | Lname |

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

| vijay | Sharma |

| vijay | kumar |

| sham | Sham |

| seeta | Sh |

| ram | Ram |

| Priyanka | Reddy |

| Palak | Devi |

| mohan | m |

| Lokesh | acz |

| Lokesh | abc |

| bba | b |

| Amit | Sharma |

| Aardhi | sharma |

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

13 rows in set (0.00 sec)

mysql> select gender count(gender) from studentdetails group by gender;

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 'count(gender) from studentdetails group by gender' at line 1

mysql> select gender, count(gender) from studentdetails group by gender;

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

| gender | count(gender) |

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

| female | 5 |

| male | 8 |

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

2 rows in set (0.00 sec)

mysql> select gender, count(gender) as Student\_count from studentdetails group by gender;

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

| gender | Student\_count |

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

| female | 5 |

| male | 8 |

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

2 rows in set (0.00 sec)

mysql> select gender, count(gender) as Student\_count from studentdetails group by gender having count(gender)>30;

Empty set (0.00 sec)

mysql> select gender, count(gender) as Student\_count from studentdetails group by gender having count(gender)>8;

Empty set (0.00 sec)

mysql> select gender, count(gender) as Student\_count from studentdetails group by gender having count(gender)>7;

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

| gender | Student\_count |

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

| male | 8 |

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

1 row in set (0.00 sec)

mysql> select count(address) as Student\_count from studentdetails group by gender having count(gender)>7;

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

| Student\_count |

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

| 8 |

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

1 row in set (0.00 sec)

mysql> select count(address) as Student\_count from studentdetails group by address having count(gender)>7;

Empty set (0.00 sec)

mysql> select count(address) as Student\_count from studentdetails group by address having count(gender)>30;

Empty set (0.00 sec)

mysql> select count(address) as Student\_count from studentdetails group by address having count(address)>30;

Empty set (0.00 sec)

mysql> select count(address) as Student\_count from studentdetails group by address having count(address)>4;

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

| Student\_count |

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

| 5 |

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

1 row in set (0.00 sec)

mysql> select address, count(address) as Student\_count from studentdetails group by address having count(address)>4;

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

| address | Student\_count |

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

| Himachal Pradesh | 5 |

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

1 row in set (0.00 sec)

mysql> select\*from studentdetails;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | 67 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | 87 |

| 5 | sham | Sham | sham@467gmail.com | male | rch | 721 | 19 | 97 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | 66 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | 57 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | 62 |

| 11 | vijay | kumar | kumar@7565 | female | ranchi | 852 | 45 | 81 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | 99 |

| 13 | Palak | Devi | shri@9411 | female | Delhi | 985 | 74 | 51 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | 40 |

| 15 | Lokesh | acz | lokesh@123 | male | AP | 645 | 25 | 555 |

| 16 | Amit | Sharma | amitsharma7565 | male | HP | 534 | 24 | 96 |

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

13 rows in set (0.00 sec)

mysql> select\*from studentdetails where student\_id=(student\_id\*2);

Empty set (0.00 sec)

mysql> select\*from studentdetails where student\_id=(student\_id%2);

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 1 | vijay | Sharma | amit@gmail.com | male | Himachal Pradesh | 876 | 24 | 78 |

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

1 row in set (0.00 sec)

mysql> select\*from studentdetails where student\_id=(student\_id%2==0);

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 '==0)' at line 1

mysql> select\*from studentdetails where student\_id%2=0;

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

| student\_id | Fname | Lname | Email\_id | Gender | Address | Roll\_no | age | marks |

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

| 2 | Lokesh | abc | xyz@gmail.com | male | Himachal Pradesh | 345 | 20 | 67 |

| 4 | ram | Ram | Ram@875gmail | male | jh | 873 | 20 | 87 |

| 6 | seeta | Sh | seeta@gmail.com | female | Himachal Pradesh | 644 | 40 | 66 |

| 8 | mohan | m | seeta@gmail.com | male | Himachal Pradesh | 44 | 10 | 57 |

| 10 | bba | b | bba@gmail.com | male | Himachal Pradesh | 447 | 32 | 62 |

| 12 | Priyanka | Reddy | reddy@8954 | female | Agra | 732 | 50 | 99 |

| 14 | Aardhi | sharma | AS@9411 | female | Manali | 231 | 55 | 40 |

| 16 | Amit | Sharma | amitsharma7565 | male | HP | 534 | 24 | 96 |

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

8 rows in set (0.00 sec)

mysql> select age from studentdetails where age>20;

+------+

| age |

+------+

| 24 |

| 40 |

| 32 |

| 45 |

| 50 |

| 74 |

| 55 |

| 25 |

| 24 |

+------+

9 rows in set (0.00 sec)

mysql> select age-2 as age1 from studentdetails where age>20;

+------+

| age1 |

+------+

| 22 |

| 38 |

| 30 |

| 43 |

| 48 |

| 72 |

| 53 |

| 23 |

| 22 |

+------+

9 rows in set (0.00 sec)

mysql> select Fname,age-2 as age1 from studentdetails where age>20;

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

| Fname | age1 |

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

| vijay | 22 |

| seeta | 38 |

| bba | 30 |

| vijay | 43 |

| Priyanka | 48 |

| Palak | 72 |

| Aardhi | 53 |

| Lokesh | 23 |

| Amit | 22 |

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

9 rows in set (0.00 sec)

mysql> select fname+lname as Hi from studentdetails;

+------+

| Hi |

+------+

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

+------+

13 rows in set, 25 warnings (0.00 sec)

mysql> select concat(fname+lname) as Hi from studentdetails;

+------+

| Hi |

+------+

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

+------+

13 rows in set, 25 warnings (0.00 sec)

mysql> select concat(fname,lname) as Hi from studentdetails;

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

| Hi |

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

| vijaySharma |

| Lokeshabc |

| ramRam |

| shamSham |

| seetaSh |

| mohanm |

| bbab |

| vijaykumar |

| PriyankaReddy |

| PalakDevi |

| Aardhisharma |

| Lokeshacz |

| AmitSharma |

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

13 rows in set (0.00 sec)

mysql> select insert(concat(fname,lname),) as Hi from studentdetails;

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 ') as Hi from studentdetails' at line 1

mysql> select insert(concat(fname,lname), length(concat(fname,lname),hi)) as Hi from studentdetails;

ERROR 1582 (42000): Incorrect parameter count in the call to native function 'length'

mysql> select concat(fname,lname,hi) from studentdetails;

ERROR 1054 (42S22): Unknown column 'hi' in 'field list'

mysql> select concat(fname,lname,"hi") from studentdetails;

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

| concat(fname,lname,"hi") |

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

| vijaySharmahi |

| Lokeshabchi |

| ramRamhi |

| shamShamhi |

| seetaShhi |

| mohanmhi |

| bbabhi |

| vijaykumarhi |

| PriyankaReddyhi |

| PalakDevihi |

| Aardhisharmahi |

| Lokeshaczhi |

| AmitSharmahi |

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

13 rows in set (0.00 sec)

mysql> select concat(" hi ",fname,lname) from studentdetails;

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

| concat(" hi ",fname,lname) |

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

| hi vijaySharma |

| hi Lokeshabc |

| hi ramRam |

| hi shamSham |

| hi seetaSh |

| hi mohanm |

| hi bbab |

| hi vijaykumar |

| hi PriyankaReddy |

| hi PalakDevi |

| hi Aardhisharma |

| hi Lokeshacz |

| hi AmitSharma |

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

13 rows in set (0.00 sec)

mysql> select concat(" hi ",fname,lname) as full\_name from studentdetails;

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

| full\_name |

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

| hi vijaySharma |

| hi Lokeshabc |

| hi ramRam |

| hi shamSham |

| hi seetaSh |

| hi mohanm |

| hi bbab |

| hi vijaykumar |

| hi PriyankaReddy |

| hi PalakDevi |

| hi Aardhisharma |

| hi Lokeshacz |

| hi AmitSharma |

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

13 rows in set (0.00 sec)

mysql> select concat(" hi ",fname," ",lname) as full\_name from studentdetails;

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

| full\_name |

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

| hi vijay Sharma |

| hi Lokesh abc |

| hi ram Ram |

| hi sham Sham |

| hi seeta Sh |

| hi mohan m |

| hi bba b |

| hi vijay kumar |

| hi Priyanka Reddy |

| hi Palak Devi |

| hi Aardhi sharma |

| hi Lokesh acz |

| hi Amit Sharma |

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

13 rows in set (0.00 sec)

mysql> select concat(" hi ",fname,lname) from studentdetails;19.Write the query to select the studentdetails whose studentid is multiple of 2 and sname contains ‘o’