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Microsoft Windows [Version 10.0.26100.3476]
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C:\Users\mohap>mysql
ERROR 1045 (28000): Access denied for user 'ODBC'@'localhost' (using password: NO)

C:\Users\mohap>mysql -u root -p
Enter password: **************
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 33
Server version: 8.0.41 MySQL Community Server - GPL

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owners.

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

mysql> create database customers;
Query OK, 1 row affected (0.05 sec)

mysql> use customers;
Database changed
mysql> create table customers(id int primary key, name varchar(50),age int,address varchar(100),salary decimal(10,2));
Query OK, 0 rows affected (0.08 sec)

mysql> select * from customers;
Empty set (0.04 sec)
```

```
mysql> select * from customers;
Empty set (0.00 sec)

mysql> insert into customers(id,name,age,address,salary)values(1,'Ramesh',32,'ahmedabad',2000.00),(2,'Khilan',25,'delhi',1500.00),(3,'kaushik',23,'k
ota',2000.00),(4,'chaitali',25,'mumbai',6500.00),(5,'hardik',27,'bhopL',8500.00),(6,'komal',22,'mp',4500.00),(7,'muffy',24,'indore',10000.00);
Query OK, 7 rows affected (0.04 sec)
Records: 7  Duplicates: 0  Warnings: 0

mysql> select * from customers;
+----+----------+------+-----------+----------+
| id | name     | age  | address   | salary   |
+----+----------+------+-----------+----------+
|  1 | Ramesh   |   32 | ahmedabad |  2000.00 |
|  2 | Khilan   |   25 | delhi     |  1500.00 |
|  3 | kaushik  |   23 | kota      |  2000.00 |
|  4 | chaitali |   25 | mumbai    |  6500.00 |
|  5 | hardik   |   27 | bhopL     |  8500.00 |
|  6 | komal    |   22 | mp        |  4500.00 |
|  7 | muffy    |   24 | indore    | 10000.00 |
+----+----------+------+-----------+----------+
7 rows in set (0.00 sec)

mysql> select * from customers where salary > 5000;
+----+----------+------+-----------+----------+
| id | name     | age  | address   | salary   |
+----+----------+------+-----------+----------+
|  4 | chaitali |   25 | mumbai    |  6500.00 |
|  5 | hardik   |   27 | bhopL     |  8500.00 |
|  7 | muffy    |   24 | indore    | 10000.00 |
+----+----------+------+-----------+----------+
3 rows in set (0.04 sec)

mysql> select * from customers where salary > 5000;
+----+----------+------+-----------+----------+
| id | name     | age  | address   | salary   |
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|  7 | muffy     |   24 | indore    | 10000.00 |
+----+-----------+------+-----------+----------+
3 rows in set (0.00 sec)

mysql> select * from customers where salary >=6500;
+----+-----------+------+-----------+----------+
| id | name      | age  | address   | salary   |
+----+-----------+------+-----------+----------+
|  4 | chaitali  |   25 | mumbai    |  6500.00 |
|  5 | hardik    |   27 | bhopL     |  8500.00 |
|  7 | muffy     |   24 | indore    | 10000.00 |
+----+-----------+------+-----------+----------+
3 rows in set (0.00 sec)

mysql> select * from customers;
+----+-----------+------+-----------+----------+
| id | name      | age  | address   | salary   |
+----+-----------+------+-----------+----------+
|  1 | Ramesh    |   32 | ahmedabad |  2000.00 |
|  2 | Khilan    |   25 | delhi     |  1500.00 |
|  3 | kaushik   |   23 | kota      |  2000.00 |
|  4 | chaitali  |   25 | mumbai    |  6500.00 |
|  5 | hardik    |   27 | bhopL     |  8500.00 |
|  6 | komal     |   22 | mp        |  4500.00 |
|  7 | muffy     |   24 | indore    | 10000.00 |
+----+-----------+------+-----------+----------+
7 rows in set (0.00 sec)

mysql> select * from customers where age >= 25 and salary>=6500;
+----+-----------+------+-----------+----------+
| id | name      | age  | address   | salary   |
+----+-----------+------+-----------+----------+
|  4 | chaitali  |   25 | mumbai    |  6500.00 |
|  5 | hardik    |   27 | bhopL     |  8500.00 |
+----+-----------+------+-----------+----------+
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|  5 | hardik  |   27 | bhopL    |  8500.00 |
+----+---------+------+----------+----------+
2 rows in set (0.00 sec)

mysql> select * from customers where age >= 25 or salary>=6500;
+----+----------+------+-----------+----------+
| id | name     | age  | address   | salary   |
+----+----------+------+-----------+----------+
|  1 | Ramesh   |   32 | ahmedabad |  2000.00 |
|  2 | Khilan   |   25 | delhi     |  1500.00 |
|  4 | chaitali |   25 | mumbai    |  6500.00 |
|  5 | hardik   |   27 | bhopL     |  8500.00 |
|  7 | muffy    |   24 | indore    | 10000.00 |
+----+----------+------+-----------+----------+
5 rows in set (0.00 sec)

mysql> select * from customers where age is not null ;
+----+----------+------+-----------+----------+
| id | name     | age  | address   | salary   |
+----+----------+------+-----------+----------+
|  1 | Ramesh   |   32 | ahmedabad |  2000.00 |
|  2 | Khilan   |   25 | delhi     |  1500.00 |
|  3 | kaushik  |   23 | kota      |  2000.00 |
|  4 | chaitali |   25 | mumbai    |  6500.00 |
|  5 | hardik   |   27 | bhopL     |  8500.00 |
|  6 | komal    |   22 | mp        |  4500.00 |
|  7 | muffy    |   24 | indore    | 10000.00 |
+----+----------+------+-----------+----------+
7 rows in set (0.00 sec)

mysql> select * from customers where name like 'ko%';
+----+-------+------+---------+----------+
| id | name  | age  | address | salary   |
+----+-------+------+---------+----------+
|  6 | komal |   22 | mp      |  4500.00 |
```

```
|   2 | Khilan   |   25 | delhi     |  1500.00 |
|   4 | chaitali |   25 | mumbai    |  6500.00 |
|   5 | hardik   |   27 | bhopL     |  8500.00 |
+-----+----------+------+-----------+----------+
3 rows in set (0.04 sec)

mysql> select age from customers where exists(select age from customers where salary > 6500);
+------+
| age  |
+------+
|   32 |
|   25 |
|   23 |
|   25 |
|   27 |
|   22 |
|   24 |
+------+
7 rows in set (0.04 sec)

mysql> select column1,column2,columnn from table name where single value matching expression;
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 'table name where single value matching expression' at line 1
mysql> select * from customers;
+-----+----------+------+-----------+----------+
| id  | name     | age  | address   | salary   |
+-----+----------+------+-----------+----------+
|   1 | Ramesh   |   32 | ahmedabad |  2000.00 |
|   2 | Khilan   |   25 | delhi     |  1500.00 |
|   3 | kaushik  |   23 | kota      |  2000.00 |
|   4 | chaitali |   25 | mumbai    |  6500.00 |
|   5 | hardik   |   27 | bhopL     |  8500.00 |
|   6 | komal    |   22 | mp        |  4500.00 |
|   7 | muffy    |   24 | indore    | 10000.00 |
+-----+----------+------+-----------+----------+
```

```
mysql> desc customers
    -> desc customers;
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 'desc customers' at line 2
mysql> desc customers;
+---------+---------------+------+-----+---------+-------+
| Field   | Type          | Null | Key | Default | Extra |
+---------+---------------+------+-----+---------+-------+
| id      | int           | NO   | PRI | NULL    |       |
| name    | varchar(50)   | YES  |     | NULL    |       |
| age     | int           | YES  |     | NULL    |       |
| address | varchar(100)  | YES  |     | NULL    |       |
| salary  | decimal(10,2) | YES  |     | NULL    |       |
+---------+---------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> select id,name,salary from customers where salary>2000;
+----+----------+----------+
| id | name     | salary   |
+----+----------+----------+
|  4 | chaitali |  6500.00 |
|  5 | hardik   |  8500.00 |
|  6 | komal    |  4500.00 |
|  7 | muffy    | 10000.00 |
+----+----------+----------+
4 rows in set (0.00 sec)

mysql> select id,name,salary from customers where name = 'hardik';
+----+--------+---------+
| id | name   | salary  |
+----+--------+---------+
|  5 | hardik | 8500.00 |
+----+--------+---------+
1 row in set (0.00 sec)
```

```
Command Prompt - mysql -u          X    +  ∨                                                                    —   □   ✕

mysql> select * from customers;
+----+----------+------+-----------+----------+
| id | name     | age  | address   | salary   |
+----+----------+------+-----------+----------+
|  1 | Ramesh   |   32 | ahmedabad |  2000.00 |
|  2 | Khilan   |   25 | delhi     |  1500.00 |
|  3 | kaushik  |   23 | kota      |  2000.00 |
|  4 | chaitali |   25 | mumbai    |  6500.00 |
|  5 | hardik   |   27 | bhopL     |  8500.00 |
|  6 | komal    |   22 | pune      |  4500.00 |
|  7 | muffy    |   24 | indore    | 10000.00 |
+----+----------+------+-----------+----------+
7 rows in set (0.00 sec)

mysql> update customers set address='pune', salary = 1000.00;
Query OK, 7 rows affected (0.01 sec)
Rows matched: 7  Changed: 7  Warnings: 0

mysql> select * from customers;
+----+----------+------+---------+---------+
| id | name     | age  | address | salary  |
+----+----------+------+---------+---------+
|  1 | Ramesh   |   32 | pune    | 1000.00 |
|  2 | Khilan   |   25 | pune    | 1000.00 |
|  3 | kaushik  |   23 | pune    | 1000.00 |
|  4 | chaitali |   25 | pune    | 1000.00 |
|  5 | hardik   |   27 | pune    | 1000.00 |
|  6 | komal    |   22 | pune    | 1000.00 |
|  7 | muffy    |   24 | pune    | 1000.00 |
+----+----------+------+---------+---------+
7 rows in set (0.00 sec)

mysql> delete from customers where id =6;
Query OK, 1 row affected (0.02 sec)
```

```
Command Prompt - mysql -u    X    +    ✓                                                                                                                    —    ☐    X

mysql> select * from customers
    -> select * from customers;
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 'select * from customers' at line 2
mysql> select * from customers;
+----+----------+------+----------+---------+
| id | name     | age  | address  | salary  |
+----+----------+------+----------+---------+
|  1 | Ramesh   |   32 | pune     | 1000.00 |
|  2 | Khilan   |   25 | pune     | 1000.00 |
|  3 | kaushik  |   23 | pune     | 1000.00 |
|  4 | chaitali |   25 | pune     | 1000.00 |
|  5 | hardik   |   27 | pune     | 1000.00 |
|  7 | muffy    |   24 | pune     | 1000.00 |
+----+----------+------+----------+---------+
6 rows in set (0.00 sec)

mysql> select (15+6) as addition;
+----------+
| addition |
+----------+
|       21 |
+----------+
1 row in set (0.01 sec)

mysql> select count(*) as "records" from customers;
+---------+
| records |
+---------+
|       6 |
+---------+
1 row in set (0.02 sec)

mysql> select current_timestamp;
+-------------------------+
```

```
+----------------+
| multiplication |
+----------------+
|            102 |
+----------------+
1 row in set (0.00 sec)

mysql> select(678/7) as division;
+----------+
| division |
+----------+
|  96.8571 |
+----------+
1 row in set (0.00 sec)

mysql> select(456%5) as remainder;
+-----------+
| remainder |
+-----------+
|         1 |
+-----------+
1 row in set (0.00 sec)

mysql>
```