```
Enter password: *********
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 22
Server version: 8.0.43 MySQL Community Server - GPL
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affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| nit                |
| performance_schema |
| sys                |
| testdb             |
+--------------------+
6 rows in set (0.04 sec)
mysql> use testdb;
Database changed
mysql> desc testdb;
ERROR 1146 (42S02): Table 'testdb.testdb' doesn't exist
mysql> select * from customers;
+-----+----------+------+-----------+--------+
| id  | name     | age  | address   | salary |
+-----+----------+------+-----------+--------+
| 101 | Ramesh   |   32 | Ahmedabad |   2000 |
| 102 | Raj      |   33 | Delhi     |   1500 |
| 103 | Amit     |   29 | Mumbai    |   2000 |
| 104 | Chaitali |   24 | Pune      |   6500 |
| 105 | Hardik   |   28 | PM        |   8500 |
| 106 | Gill     |   30 | Bhopal    |   8000 |
| 107 | Verat    |   35 | Panjab    |   7500 |
+-----+----------+------+-----------+--------+
7 rows in set (0.00 sec)
mysql> desc customers;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| id      | int         | NO   | PRI | NULL    |       |
| name    | varchar(40) | YES  |     | NULL    |       |
| age     | int         | YES  |     | NULL    |       |
| address | varchar(60) | YES  |     | NULL    |       |
| salary  | int         | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
5 rows in set (0.02 sec)
mysql> select * from customers where salary = 2000;
+-----+--------+------+-----------+--------+
| id  | name   | age  | address   | salary |
+-----+--------+------+-----------+--------+
| 101 | Ramesh |   32 | Ahmedabad |   2000 |
| 103 | Amit   |   29 | Mumbai    |   2000 |
+-----+--------+------+-----------+--------+
2 rows in set (0.00 sec)
mysql> select * from customers where salary > 5000;
+-----+----------+------+---------+--------+
| id  | name     | age  | address | salary |
+-----+----------+------+---------+--------+
| 104 | Chaitali |   24 | Pune    |   6500 |
| 105 | Hardik   |   28 | PM      |   8500 |
| 106 | Gill     |   30 | Bhopal  |   8000 |
| 107 | Verat    |   35 | Panjab  |   7500 |
+-----+----------+------+---------+--------+
4 rows in set (0.00 sec)
mysql> select * from customers where salary <> 2000;
+-----+----------+------+---------+--------+
| id  | name     | age  | address | salary |
+-----+----------+------+---------+--------+
| 102 | Raj      |   33 | Delhi   |   1500 |
| 104 | Chaitali |   24 | Pune    |   6500 |
| 105 | Hardik   |   28 | PM      |   8500 |
| 106 | Gill     |   30 | Bhopal  |   8000 |
| 107 | Verat    |   35 | Panjab  |   7500 |
+-----+----------+------+---------+--------+
5 rows in set (0.00 sec)
mysql> select * from customers where salary >= 6500;
```

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+-----+----------+------+---------+--------+
| id  | name     | age  | address | salary |
+-----+----------+------+---------+--------+
| 104 | Chaitali |   24 | Pune    |   6500 |
| 105 | Hardik   |   28 | PM      |   8500 |
| 106 | Gill     |   30 | Bhopal  |   8000 |
| 107 | Verat    |   35 | Panjab  |   7500 |
+-----+----------+------+---------+--------+
4 rows in set (0.00 sec)
mysql> select * from customers;
+-----+----------+------+-----------+--------+
| id  | name     | age  | address   | salary |
+-----+----------+------+-----------+--------+
| 101 | Ramesh   |   32 | Ahmedabad |   2000 |
| 102 | Raj      |   33 | Delhi     |   1500 |
| 103 | Amit     |   29 | Mumbai    |   2000 |
| 104 | Chaitali |   24 | Pune      |   6500 |
| 105 | Hardik   |   28 | PM        |   8500 |
| 106 | Gill     |   30 | Bhopal    |   8000 |
| 107 | Verat    |   35 | Panjab    |   7500 |
+-----+----------+------+-----------+--------+
7 rows in set (0.00 sec)
mysql> select * from customers age >= 25 and salary >= 6500;
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 '>= 25 and salary >= 6500' at line 1
mysql> select * from customers where age >= 25 and salary >= 6500;
+-----+--------+------+---------+--------+
| id  | name   | age  | address | salary |
+-----+--------+------+---------+--------+
| 105 | Hardik |   28 | PM      |   8500 |
| 106 | Gill   |   30 | Bhopal  |   8000 |
| 107 | Verat  |   35 | Panjab  |   7500 |
+-----+--------+------+---------+--------+
3 rows in set (0.00 sec)
mysql> select * from customers where age is not null;
+-----+----------+------+-----------+--------+
| id  | name     | age  | address   | salary |
+-----+----------+------+-----------+--------+
| 101 | Ramesh   |   32 | Ahmedabad |   2000 |
| 102 | Raj      |   33 | Delhi     |   1500 |
| 103 | Amit     |   29 | Mumbai    |   2000 |
| 104 | Chaitali |   24 | Pune      |   6500 |
| 105 | Hardik   |   28 | PM        |   8500 |
| 106 | Gill     |   30 | Bhopal    |   8000 |
| 107 | Verat    |   35 | Panjab    |   7500 |
+-----+----------+------+-----------+--------+
7 rows in set (0.00 sec)
mysql> select * from customers where name like "as%";
Empty set (0.00 sec)
mysql> select * from customers where name like "ra%";
+-----+--------+------+-----------+--------+
| id  | name   | age  | address   | salary |
+-----+--------+------+-----------+--------+
| 101 | Ramesh |   32 | Ahmedabad |   2000 |
| 102 | Raj    |   33 | Delhi     |   1500 |
+-----+--------+------+-----------+--------+
2 rows in set (0.00 sec)
mysql> select * from customers where age in (25,29);
+-----+------+------+---------+--------+
| id  | name | age  | address | salary |
+-----+------+------+---------+--------+
| 103 | Amit |   29 | Mumbai  |   2000 |
+-----+------+------+---------+--------+
1 row in set (0.00 sec)
mysql> select age from customers where exists (select age from customers where salary > 6500);
+------+
| age  |
+------+
|   32 |
|   33 |
|   29 |
|   24 |
|   28 |
|   30 |
|   35 |
+------+
7 rows in set (0.00 sec)
mysql> select * from customers where exists (select age from customers where salary > 6500);
+-----+----------+------+-----------+--------+
```

```
| id   | name     | age  | address   | salary |
+------+----------+------+-----------+--------+
| 101  | Ramesh   |   32 | Ahmedabad |   2000 |
| 102  | Raj      |   33 | Delhi     |   1500 |
| 103  | Amit     |   29 | Mumbai    |   2000 |
| 104  | Chaitali |   24 | Pune      |   6500 |
| 105  | Hardik   |   28 | PM        |   8500 |
| 106  | Gill     |   30 | Bhopal    |   8000 |
| 107  | Verat    |   35 | Panjab    |   7500 |
+------+----------+------+-----------+--------+
7 rows in set (0.00 sec)
mysql> select * from customers;
+------+----------+------+-----------+--------+
| id   | name     | age  | address   | salary |
+------+----------+------+-----------+--------+
| 101  | Ramesh   |   32 | Ahmedabad |   2000 |
| 102  | Raj      |   33 | Delhi     |   1500 |
| 103  | Amit     |   29 | Mumbai    |   2000 |
| 104  | Chaitali |   24 | Pune      |   6500 |
| 105  | Hardik   |   28 | PM        |   8500 |
| 106  | Gill     |   30 | Bhopal    |   8000 |
| 107  | Verat    |   35 | Panjab    |   7500 |
+------+----------+------+-----------+--------+
7 rows in set (0.00 sec)
mysql> select current_timestamp;
+---------------------+
| current_timestamp   |
+---------------------+
| 2025-09-11 09:24:35 |
+---------------------+
1 row in set (0.01 sec)
mysql> desc customers;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| id      | int         | NO   | PRI | NULL    |       |
| name    | varchar(40) | YES  |     | NULL    |       |
| age     | int         | YES  |     | NULL    |       |
| address | varchar(60) | YES  |     | NULL    |       |
| salary  | int         | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
mysql> select id,name,salary from customers;
+------+----------+--------+
| id   | name     | salary |
+------+----------+--------+
| 101  | Ramesh   |   2000 |
| 102  | Raj      |   1500 |
| 103  | Amit     |   2000 |
| 104  | Chaitali |   6500 |
| 105  | Hardik   |   8500 |
| 106  | Gill     |   8000 |
| 107  | Verat    |   7500 |
+------+----------+--------+
7 rows in set (0.00 sec)
mysql> update customers set address = 'Pune' where id = 106;
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0
mysql> select * from customers;
+------+----------+------+-----------+--------+
| id   | name     | age  | address   | salary |
+------+----------+------+-----------+--------+
| 101  | Ramesh   |   32 | Ahmedabad |   2000 |
| 102  | Raj      |   33 | Delhi     |   1500 |
| 103  | Amit     |   29 | Mumbai    |   2000 |
| 104  | Chaitali |   24 | Pune      |   6500 |
| 105  | Hardik   |   28 | PM        |   8500 |
| 106  | Gill     |   30 | Pune      |   8000 |
| 107  | Verat    |   35 | Panjab    |   7500 |
+------+----------+------+-----------+--------+
7 rows in set (0.00 sec)
mysql> select max(salary) from customers;
+-------------+
| max(salary) |
+-------------+
|        8500 |
+-------------+
1 row in set (0.00 sec)
mysql> select min(salary) from customers;
```

```
+-------------+
| min(salary) |
+-------------+
|        1500 |
+-------------+
1 row in set (0.00 sec)
mysql> select * from customers order by salary;
+-----+----------+------+-----------+--------+
| id  | name     | age  | address   | salary |
+-----+----------+------+-----------+--------+
| 102 | Raj      |   33 | Delhi     |   1500 |
| 101 | Ramesh   |   32 | Ahmedabad |   2000 |
| 103 | Amit     |   29 | Mumbai    |   2000 |
| 104 | Chaitali |   24 | Pune      |   6500 |
| 107 | Verat    |   35 | Panjab    |   7500 |
| 106 | Gill     |   30 | Pune      |   8000 |
| 105 | Hardik   |   28 | PM        |   8500 |
+-----+----------+------+-----------+--------+
7 rows in set (0.00 sec)
mysql> select * from customers order by salary desc;
+-----+----------+------+-----------+--------+
| id  | name     | age  | address   | salary |
+-----+----------+------+-----------+--------+
| 105 | Hardik   |   28 | PM        |   8500 |
| 106 | Gill     |   30 | Pune      |   8000 |
| 107 | Verat    |   35 | Panjab    |   7500 |
| 104 | Chaitali |   24 | Pune      |   6500 |
| 101 | Ramesh   |   32 | Ahmedabad |   2000 |
| 103 | Amit     |   29 | Mumbai    |   2000 |
| 102 | Raj      |   33 | Delhi     |   1500 |
+-----+----------+------+-----------+--------+
7 rows in set (0.00 sec)
mysql> select * from customers;
+-----+----------+------+-----------+--------+
| id  | name     | age  | address   | salary |
+-----+----------+------+-----------+--------+
| 101 | Ramesh   |   32 | Ahmedabad |   2000 |
| 102 | Raj      |   33 | Delhi     |   1500 |
| 103 | Amit     |   29 | Mumbai    |   2000 |
| 104 | Chaitali |   24 | Pune      |   6500 |
| 105 | Hardik   |   28 | PM        |   8500 |
| 106 | Gill     |   30 | Pune      |   8000 |
| 107 | Verat    |   35 | Panjab    |   7500 |
+-----+----------+------+-----------+--------+
7 rows in set (0.00 sec)
mysql>
```