```
Server version: 8.0.43 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 |
 mysql
 ni t
 performance_schema |
 sys
 testdb
6 rows in set (0.04 sec)
mysql > use testdb;
Database changed
mysql > desc testdb;
ERROR 1146 (42SO2): 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 | Panj ab
                            7500
7 rows in set (0.00 sec)
mysql > desc customers;
+----+
| Field | Type
                | Null | Key | Default | Extra |
 i d
       | int
                  NO PRI NULL
 name
      | varchar(40) | YES | NULL
              | YES |
       | int
                            | NULL
 age
 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 | Hardi k
                28
                   PM
                             8500
 106 | Gill
                30 | Bhopal
                             8000
 107 | Verat
           | 35 | Panj ab
                             7500
4 rows in set (0.00 sec)
mysql > select * from customers where salary <> 2000;
+----+
| id | name
            | age | address | salary |
+----+
         | 33 | Delhi
 102 | Raj
                             1500
 104 | Chaitali |
                24 | Pune
                             6500
                28 | PM
 105 | Hardik |
                             8500
| 106 | Gill
             30 | Bhopal |
                             8000
           | 35 | Panj ab | 7500
| 107 | Verat
```

+----+

mysql > select * from customers where salary >= 6500;

5 rows in set (0.00 sec)

Enter password: *******

Your MySQL connection id is 22

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

```
+----+
             | age | address | salary |
 104 | Chaitali |
                 24 | Pune
                                6500
 105 | Hardi k
                 28 | PM
                                8500
 106 | Gill
                 30 | Bhopal
                                8000
 107 | Verat
                 35 | Panj ab
                                7500
4 rows in set (0.00 sec)
mysql > select * from customers;
| id | name
              | age | address | salary |
 101 | Ramesh |
                 32 | Ahmedabad |
                                  2000
                 33 | Del hi
 102
      Raj
                                  1500
 103
      Ami t
                 29 | Mumbai
                                 2000
 104
      Chai tal i
                 24 | Pune
                                 6500
 105 | Hardi k
                 28 | PM
                                 8500
 106
      Gill
                 30 | Bhopal
                                 8000
 107 | Verat
                 35 | Panj ab
                                  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
               35 | Panj ab |
| 107 | Verat |
3 rows in set (0.00 sec)
mysql > select * from customers where age is not null;
              | age | address | salary |
| id | name
 101 | Ramesh |
                 32 | Ahmedabad |
                                 2000
 102 | Raj
                 33 | Del hi
                                 1500
 103 | Amit
                 29 | Mumbai
                                 2000
 104
      Chai tal i
                 24 | Pune
                                 6500
 105
      Hardi k
                 28 | PM
                                 8500
 106 | Gill
                 30 | Bhopal
                                 8000
| 107 | Verat
                 35 | Panj ab
                                 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 |
            | 33 | Del hi
 102 | Raj
                            | 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 |
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
                                  2000
 101 |
                  32 | Ahmedabad |
      Ramesh
 102
      Raj
                  33
                      Del hi
                                  1500
 103
      Ami t
                  29
                      Mumbai
                                  2000
 104
      Chaitali |
                  24 |
                      Pune
                                  6500
      Hardi k
 105
                  28 |
                      PM
                                  8500
 106
      Gill
                  30 | Bhopal
                                  8000
| 107 | Verat
                  35 | Panj ab
                                  7500
+----+
7 rows in set (0.00 sec)
mysql > select * from customers;
+----+
| id | name
              | age | address
                  32 | Ahmedabad |
 101 | Ramesh
                                  2000
 102
      Raj
                  33 | Del hi
                                  1500
                  29 | Mumbai
 103 | Amit
                                  2000
 104
      Chaitali |
                  24
                      Pune
                                  6500
 105 | Hardik
                  28 | PM
                                  8500
      Gill
 106
                  30 | Bhopal
                                  8000
 107 | Verat
                 35 | Panj ab
                                  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 |
                     NO PRI NULL
| id
         | int
          varchar(40) | YES |
 name
                                 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
      Ami t
                  2000
 104
      Chai tal i
                  6500
 105 |
      Hardi k
                  8500
 106
      Gill
                  8000
 107 | Verat
                  7500
7 rows in set (0.00 sec)
mysgl > 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
                      Ahmedabad
                                  2000
 102
      Raj
                  33 |
                      Del hi
                                  1500
 103 | Amit
                  29
                      Mumbai
                                  2000
      Chai tal i
 104
                  24
                      Pune
                                  6500
 105 | Hardi k
                  28 |
                      PM
                                  8500
 106 | Gill
                  30 | Pune
                                  8000
 107 | Verat
              35 | Panj ab
                                  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;
```

1 row in set (0.00 sec)

mysql > select * from customers order by salary;

i d	name	age	address	salary
102 101 103 104 107 106 105	Raj Ramesh Amit Chaitali Verat Gill Hardik	33 32 29 24 35 30 28	Delhi Ahmedabad Mumbai Pune Panjab Pune PM	1500 2000 2000 6500 7500 8000

7 rows in set (0.00 sec)

mysql > select * from customers order by salary desc;

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	i d	name	age		salary
	105 106 107 104 101 103	Hardik Gill Verat Chaitali Ramesh Amit Raj	28 30 35 24 32 29 33	PM Pune Panj ab Pune Ahmedabad Mumbai Del hi	8500 8000 7500 6500 2000 2000

7 rows in set (0.00 sec)

mysql > select * from customers;

++		++		++
i d	name	age	address	salary
101 102 103 104 105 106	Ramesh Raj Amit Chaitali Hardik Gill	32 33 29 24 28 30	Ahmedabad Delhi Mumbai Pune PM	2000 1500 2000 6500 8500
	Verat		Panj ab	

7 rows in set (0.00 sec)

mysql >