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MySQL 8.0 Command Line Cli  X  +  ~
mysql> select * from customers;
Empty set (0.00 sec)

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(60) | YES |     | NULL    |       |
| Salary | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> insert into customers(ID,Name,Age,Address,Salary) values(1,'Ramesh',32,'Ahmedabad',2000);
Query OK, 1 row affected (0.01 sec)

mysql> ^C
mysql> insert into customers values(2,'Khilan',25,'Delhi',1500),(3,'Kaushik',23,'Kota',2000),(4,'Chaitali',25,'Mumbai',6500);
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> insert into customers values(5,'Hardik',27,'Bhopal',8500),(6,'Komal',22,'MP',4500),(7,'Muffy',24,'Indore',10000);
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from customers;
+-----+-----+-----+-----+-----+
| ID | Name | Age | Address | Salary |
+-----+-----+-----+-----+-----+
| 1 | Ramesh | 32 | Ahmedabad | 2000 |
| 2 | Khilan | 25 | Delhi | 1500 |
| 3 | Kaushik | 23 | Kota | 2000 |
| 4 | Chaitali | 25 | Mumbai | 6500 |
| 5 | Hardik | 27 | Bhopal | 8500 |
| 6 | Komal | 22 | MP | 4500 |
| 7 | Muffy | 24 | Indore | 10000 |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

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MySQL 8.0 Command Line Cli  X  +  ~
mysql> select * from customers where salary > 5000;
+-----+-----+-----+-----+-----+
| ID | Name | Age | Address | Salary |
+-----+-----+-----+-----+-----+
| 4 | Chaitali | 25 | Mumbai | 6500 |
| 5 | Hardik | 27 | Bhopal | 8500 |
| 7 | Muffy | 24 | Indore | 10000 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from customers where salary=2000;
+-----+-----+-----+-----+-----+
| ID | Name | Age | Address | Salary |
+-----+-----+-----+-----+-----+
| 1 | Ramesh | 32 | Ahmedabad | 2000 |
| 3 | Kaushik | 23 | Kota | 2000 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from customers where salary!=2000;
+-----+-----+-----+-----+-----+
| ID | Name | Age | Address | Salary |
+-----+-----+-----+-----+-----+
| 2 | Khilan | 25 | Delhi | 1500 |
| 4 | Chaitali | 25 | Mumbai | 6500 |
| 5 | Hardik | 27 | Bhopal | 8500 |
| 6 | Komal | 22 | MP | 4500 |
| 7 | Muffy | 24 | Indore | 10000 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from customers where salary <>2000;
+-----+-----+-----+-----+-----+
| ID | Name | Age | Address | Salary |
+-----+-----+-----+-----+-----+
| 2 | Khilan | 25 | Delhi | 1500 |
| 4 | Chaitali | 25 | Mumbai | 6500 |
| 5 | Hardik | 27 | Bhopal | 8500 |
| 6 | Komal | 22 | MP | 4500 |
| 7 | Muffy | 24 | Indore | 10000 |
+-----+-----+-----+-----+-----+

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MySQL 8.0 Command Line Cli x + v

mysql> select * from customers where salary >=6500;
+----+-----+-----+-----+-----+
| ID | Name   | Age  | Address | Salary |
+----+-----+-----+-----+-----+
| 4  | Chaitali | 25   | Mumbai  | 6500   |
| 5  | Hardik   | 27   | Bhopal  | 8500   |
| 7  | Muffy    | 24   | Indore  | 10000  |
+----+-----+-----+-----+-----+
3 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   |
| 5  | Hardik   | 27   | Bhopal  | 8500   |
+----+-----+-----+-----+-----+
2 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   |
| 5  | Hardik   | 27   | Bhopal  | 8500   |
+----+-----+-----+-----+-----+
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   |
| 2  | Khilan   | 25   | Delhi    | 1500   |
| 4  | Chaitali | 25   | Mumbai  | 6500   |
| 5  | Hardik   | 27   | Bhopal  | 8500   |
| 7  | Muffy    | 24   | Indore  | 10000  |
+----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
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MySQL 8.0 Command Line Cli x + v

mysql> SELECT * FROM CUSTOMERS WHERE AGE IS NOT NULL;
+----+-----+-----+-----+-----+
| ID | Name   | Age  | Address | Salary |
+----+-----+-----+-----+-----+
| 1  | Ramesh   | 32   | Ahmedabad | 2000   |
| 2  | Khilan   | 25   | Delhi    | 1500   |
| 3  | Kaushik  | 23   | Kota     | 2000   |
| 4  | Chaitali | 25   | Mumbai  | 6500   |
| 5  | Hardik   | 27   | Bhopal  | 8500   |
| 6  | Komal    | 22   | MP       | 4500   |
| 7  | Muffy    | 24   | Indore  | 10000  |
+----+-----+-----+-----+-----+
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   |
+----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT * FROM CUSTOMERS WHERE AGE IN ( 25, 27 );
+----+-----+-----+-----+-----+
| ID | Name   | Age  | Address | Salary |
+----+-----+-----+-----+-----+
| 2  | Khilan   | 25   | Delhi    | 1500   |
| 4  | Chaitali | 25   | Mumbai  | 6500   |
| 5  | Hardik   | 27   | Bhopal  | 8500   |
+----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT * FROM CUSTOMERS WHERE AGE BETWEEN 25 AND 27;
+----+-----+-----+-----+-----+
| ID | Name   | Age  | Address | Salary |
+----+-----+-----+-----+-----+
| 2  | Khilan   | 25   | Delhi    | 1500   |
| 4  | Chaitali | 25   | Mumbai  | 6500   |
| 5  | Hardik   | 27   | Bhopal  | 8500   |
+----+-----+-----+-----+-----+
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MySQL 8.0 Command Line Cli  x  +  v

mysql> SELECT * FROM CUSTOMERS WHERE AGE BETWEEN 25 AND 27;
+----+-----+-----+-----+-----+
| ID | Name  | Age  | Address | Salary |
+----+-----+-----+-----+-----+
| 2  | Khilan | 25   | Delhi   | 1500   |
| 4  | Chaitali | 25   | Mumbai  | 6500   |
| 5  | Hardik | 27   | Bhopal  | 8500   |
+----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT AGE FROM CUSTOMERS
-> select * from customers where exists (select age from customers where salary>6500);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL s
elect * from customers where exists (select age from customers where salary>650' at line 2
mysql> select * from customers where exists (select age from customers where salary>6500);
+----+-----+-----+-----+-----+
| ID | Name  | Age  | Address | Salary |
+----+-----+-----+-----+-----+
| 1  | Ramesh | 32   | Ahmedabad | 2000   |
| 2  | Khilan | 25   | Delhi   | 1500   |
| 3  | Kaushik | 23   | Kota    | 2000   |
| 4  | Chaitali | 25   | Mumbai  | 6500   |
| 5  | Hardik | 27   | Bhopal  | 8500   |
| 6  | Komal | 22   | MP      | 4500   |
| 7  | Muffy | 24   | Indore  | 10000  |
+----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> SELECT * FROM CUSTOMERS WHERE AGE > ANY (SELECT AGE FROM CUSTOMERS WHERE SALARY > 6500);
+----+-----+-----+-----+-----+
| ID | Name  | Age  | Address | Salary |
+----+-----+-----+-----+-----+
| 1  | Ramesh | 32   | Ahmedabad | 2000   |
| 2  | Khilan | 25   | Delhi   | 1500   |
| 4  | Chaitali | 25   | Mumbai  | 6500   |
| 5  | Hardik | 27   | Bhopal  | 8500   |
+----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

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MySQL 8.0 Command Line Cli  x  +  v

mysql> select * from customers where Age> All(select Age from customers where Salary>6500);
+----+-----+-----+-----+-----+
| ID | Name  | Age  | Address | Salary |
+----+-----+-----+-----+-----+
| 1  | Ramesh | 32   | Ahmedabad | 2000   |
+----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> select * from customers where Exists (select Age from customers where Salary>6500);
+----+-----+-----+-----+-----+
| ID | Name  | Age  | Address | Salary |
+----+-----+-----+-----+-----+
| 1  | Ramesh | 32   | Ahmedabad | 2000   |
| 2  | Khilan | 25   | Delhi   | 1500   |
| 3  | Kaushik | 23   | Kota    | 2000   |
| 4  | Chaitali | 25   | Mumbai  | 6500   |
| 5  | Hardik | 27   | Bhopal  | 8500   |
| 6  | Komal | 22   | MP      | 4500   |
| 7  | Muffy | 24   | Indore  | 10000  |
+----+-----+-----+-----+-----+
7 rows in set (0.00 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 (0.00 sec)

mysql> SELECT * FROM CUSTOMERS where salary=10000;
+----+-----+-----+-----+-----+
| ID | Name  | Age  | Address | Salary |
+----+-----+-----+-----+-----+

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