

```
MySQL 8.0 Command Line Cli x + v
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 46
Server version: 8.0.33 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> create database data;
Query OK, 1 row affected (0.01 sec)


mysql> use data;
Database changed
mysql> create table passengers(sno int,name varchar(30),city varchar(20),age int);
Query OK, 0 rows affected (0.03 sec)

mysql> desc table passengers;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | select_type | table      | partitions | type | possible_keys | key  | key_len | ref | rows | filtered | Extra |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | SIMPLE      | passengers | NULL       | ALL  | NULL         | NULL | NULL    | NULL | 1    | 100.00   | NULL |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set, 1 warning (0.00 sec)

mysql> desc passengers;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| sno   | int(11)   | NULL |     |         |       |
| name  | varchar(30) | NULL |     |         |       |
| city  | varchar(20) | NULL |     |         |       |
| age   | int(11)   | NULL |     |         |       |
+-----+-----+-----+-----+-----+-----+
```

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```
MySQL 8.0 Command Line Cli x + v
+-----+
| 9 | Vijay Mallaya | new Delhi |
| 12 | Afreen Ara | new DELHI |
| 10 | Lalitha | agara |
| 1 | manjulakumari | Chennai |
| 3 | Riyasudheen | bihar |
+-----+
12 rows in set (0.00 sec)

mysql> select sno,name,city from passengers order by sno desc;
+-----+
| sno | name | city |
+-----+
| 12 | Afreen Ara | new DELHI |
| 11 | chetan jayantilal | benguluru |
| 10 | Lalitha | agara |
| 9 | Vijay Mallaya | new Delhi |
| 8 | Sanjay | amaravathi |
| 7 | Umesh Parikh | hyderaBAD |
| 6 | shahina | cheNNai |
| 5 | Rishana Koothradan | hyderabad |
| 4 | Ameena Sherin | Mumbai |
| 3 | Riyasudheen | bihar |
| 2 | peedika Kandiyil yadhudev | HYDERABAD |
| 1 | manjulakumari | Chennai |
+-----+
12 rows in set (0.00 sec)

mysql> drop table passengers;
Query OK, 0 rows affected (0.03 sec)

mysql> drop database data;
Query OK, 0 rows affected (0.01 sec)
```

```
MySQL 8.0 Command Line Cli x + v
mysql> select * from passengers;
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 1 | manjulakumari | Chennai | 16 |
| 2 | peedika Kandiyil yadhudev | HYDERABAD | 24 |
| 3 | Riyasudheen | bihar | 12 |
| 4 | Ameena Sherin | Mumbai | 23 |
| 5 | Rishana Koothradan | hyderabad | 25 |
| 6 | shahina | cheNNai | 26 |
| 7 | Umesh Parikh | hyderaBAad | 30 |
| 8 | Sanjay | amaravathi | 27 |
| 9 | Vijay Mallaya | new Delhi | 22 |
| 10 | Lalitha | agara | 19 |
| 11 | chetan jayantilal | benguluru | 40 |
| 12 | Afreen Ara | new DELHI | 21 |
+-----+-----+-----+-----+
12 rows in set (0.00 sec)

mysql> select * from passengers where city=chennai;
ERROR 1054 (42S22): Unknown column 'chennai' in 'where clause'
mysql> select * from passengers where city="chennai";
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 1 | manjulakumari | Chennai | 16 |
| 6 | shahina | cheNNai | 26 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from passengers where city="hyderabad";
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 2 | peedika Kandiyil yadhudev | HYDERABAD | 24 |
| 5 | Rishana Koothradan | hyderabad | 25 |
| 7 | Umesh Parikh | hyderaBAad | 30 |
| 10 | Lalitha | agara | 19 |
| 11 | chetan jayantilal | benguluru | 40 |
| 12 | Afreen Ara | new DELHI | 21 |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

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MySQL 8.0 Command Line Cli x + v
1 row in set, 1 warning (0.00 sec)


mysql> desc passengers;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| sno   | int           | YES  |     | NULL    |       |
| name  | varchar(30)   | YES  |     | NULL    |       |
| city  | varchar(20)   | YES  |     | NULL    |       |
| age   | int           | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)


mysql> insert into passengers values(1,"manjulakumari","Chennai",16);
Query OK, 1 row affected (0.00 sec)

mysql> insert into passengers values(2,"peedika Kandiyl yadhudev","HYDERABAD",24),(3,"Riyasudheen","bihar",12),(4,"Ameena Sherin","Mumbai",23),(5,"Rishana Koothradan","hyderabad",25),(6,"shahina","cheNNai",26),(7,"Umesh Parikh","hyderaBAd",30),(8,"Sanjay","amaravathi",27),(9,"Vijay Mallaya","new Delhi",22),(10,"Lalitha","agara",19),(11,"chetan jayantilal","benguluru",40),(12,"Afreen Ara","new DELHI",21);
Query OK, 11 rows affected (0.01 sec)
Records: 11 Duplicates: 0 Warnings: 0

mysql> select table passengers;
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 passengers' at line 1
mysql> select * from passengers;
+-----+-----+-----+-----+
| sno | name                      | city      | age |
+-----+-----+-----+-----+
| 1   | manjulakumari             | Chennai   | 16  |
| 2   | peedika Kandiyl yadhudev  | HYDERABAD | 24  |
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```
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mysql> select * from passengers where sno in(5,9);
+-----+-----+-----+-----+
| sno | name           | city      | age |
+-----+-----+-----+-----+
| 5   | Rishana Koothradan | hyderabad | 25 |
| 9   | Vijay Mallaya     | new Delhi | 22 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select city from passengers where sno in(3,8,4);
+-----+
| city |
+-----+
| bihar |
| Mumbai |
| amaravathi |
+-----+
3 rows in set (0.00 sec)


mysql> select count(sno) from passengers;
+-----+
| count(sno) |
+-----+
| 12 |
+-----+
1 row in set (0.00 sec)

mysql> select count(name) from passengers;
+-----+
| count(name) |
+-----+
```




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


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```
mysql> select city,sum(sno) from passengers group by city having sum(sno)>6;
```

city	sum(sno)
Chennai	7
HYDERABAD	14
amaravathi	8
new Delhi	21
agara	10
benguluru	11


```
6 rows in set (0.00 sec)
```


```
mysql> select sno,name,city from passengers order by age desc;
```

sno	name	city
11	chetan jayantilal	benguluru
7	Umesh Parikh	hyderaBAd
8	Sanjay	amaravathi
6	shahina	cheNNai
5	Rishana Koothradan	hyderabad
2	peedika Kandiyil yadhudev	HYDERABAD
4	Ameena Sherin	Mumbai
9	Vijay Mallaya	new Delhi
12	Afreen Ara	new DELHI
10	Lalitha	agara
1	manjulakumari	Chennai
3	Riyasudheen	bihar

```
12 rows in set (0.00 sec)
```

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```
MySQL 8.0 Command Line Cli x + v
mysql> select count(name) from passengers;
+-----+
| count(name) |
+-----+
|          12 |
+-----+
1 row in set (0.00 sec)

mysql> select sum(age) from passengers;
+-----+
| sum(age) |
+-----+
|        285 |
+-----+
1 row in set (0.00 sec)

mysql> select avg(sno) from passengers;
+-----+
| avg(sno) |
+-----+
|    6.5000 |
+-----+
1 row in set (0.00 sec)

mysql> select avg(age) from passengers;
+-----+
| avg(age) |
+-----+
|   23.7500 |
+-----+
1 row in set (0.00 sec)
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```
MySQL 8.0 Command Line Cli x + v
1 row in set (0.00 sec)

mysql> select min(age) from passengers;
+-----+
| min(age) |
+-----+
|      12 |
+-----+
1 row in set (0.00 sec)

mysql> select name,sum(age) from passengers group by name;
+-----+-----+
| name          | sum(age) |
+-----+-----+
| manjulakumari |      16 |
| peedika Kandiyil yadhudev |      24 |
| Riyasudheen   |      12 |
| Ameena Sherin |      23 |
| Rishana Koothradan |      25 |
| shahina       |      26 |
| Umesh Parikh  |      30 |
| Sanjay        |      27 |
| Vijay Mallaya |      22 |
| Lalitha       |      19 |
| chetan jayantilal |      40 |
| Afreen Ara    |      21 |
+-----+-----+
12 rows in set (0.01 sec)

mysql> select city,sum(sno) from passengers group by city having sum(sno)>6;
+-----+-----+
| city          | sum(sno) |
+-----+-----+
```



```
MySQL 8.0 Command Line Cli x + v
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```
mysql> select name from passengers where age >25;
+-----+
| name |
+-----+
| shahina |
| Umesh Parikh |
| Sanjay |
| chetan jayantilal |
+-----+
4 rows in set (0.00 sec)
```

```
mysql> select sum(age) from passengers;
+-----+
| sum(age) |
+-----+
| 285 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> select * from passengers;
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 1 | manjulakumari | Chennai | 16 |
| 2 | peedika Kandiyil yadhudev | HYDERABAD | 24 |
| 3 | Riyasudheen | bihar | 12 |
| 4 | Ameena Sherin | Mumbai | 23 |
| 5 | Rishana Koothradan | hyderabad | 25 |
| 6 | shahina | cheNNai | 26 |
| 7 | Umesh Parikh | hyderaBAd | 30 |
| 8 | Sanjay | amaravathi | 27 |
+-----+-----+-----+-----+
```

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```
MySQL 8.0 Command Line Cli x + v
mysql> select avg(age) from passengers;
+-----+
| avg(age) |
+-----+
| 23.7500 |
+-----+
1 row in set (0.00 sec)

mysql> select max(age) from passengers;
+-----+
| max(age) |
+-----+
| 40 |
+-----+
1 row in set (0.00 sec)

mysql> select min(sno) from passengers;
+-----+
| min(sno) |
+-----+
| 1 |
+-----+
1 row in set (0.00 sec)

mysql> select min(age) from passengers;
+-----+
| min(age) |
+-----+
| 12 |
+-----+
1 row in set (0.00 sec)
```

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```
MySQL 8.0 Command Line Cli x + v
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```
mysql> select name from passengers where age=23;
+-----+
| name |
+-----+
| Ameena Sherin |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select * from passengers where age >20;
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 2 | peedika Kandiyil yadhudev | HYDERABAD | 24 |
| 4 | Ameena Sherin | Mumbai | 23 |
| 5 | Rishana Koothradan | hyderabad | 25 |
| 6 | shahina | cheNNai | 26 |
| 7 | Umesh Parikh | hyderaBAad | 30 |
| 8 | Sanjay | amaravathi | 27 |
| 9 | Vijay Mallaya | new Delhi | 22 |
| 11 | chetan jayantilal | benguluru | 40 |
| 12 | Afreen Ara | new DELHI | 21 |
+-----+-----+-----+-----+
9 rows in set (0.00 sec)
```

```
mysql> select name from passengers where age >25;
+-----+
| name |
+-----+
| shahina |
| Umesh Parikh |
| Sanjay |
+-----+
```

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```
MySQL 8.0 Command Line Cli x + v
+-----+
|      285 |
+-----+
1 row in set (0.01 sec)

mysql> select * from passengers;
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 1 | manjulakumari | Chennai | 16 |
| 2 | peedika Kandiyil yadhudev | HYDERABAD | 24 |
| 3 | Riyasudheen | bihar | 12 |
| 4 | Ameena Sherin | Mumbai | 23 |
| 5 | Rishana Koothradan | hyderabad | 25 |
| 6 | shahina | cheNNai | 26 |
| 7 | Umesh Parikh | hyderaBAad | 30 |
| 8 | Sanjay | amaravathi | 27 |
| 9 | Vijay Mallaya | new Delhi | 22 |
| 10 | Lalitha | agara | 19 |
| 11 | chetan jayantilal | benguluru | 40 |
| 12 | Afreen Ara | new DELHI | 21 |
+-----+-----+-----+-----+
12 rows in set (0.00 sec)

mysql> select max(age) from passengers;
+-----+
| max(age) |
+-----+
|      40 |
+-----+
1 row in set (0.01 sec)
```

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```
MySQL 8.0 Command Line Cli x + v
mysql> select * from passengers where age between 20 and 30;
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 2 | peedika Kandiyil yadhudev | HYDERABAD | 24 |
| 4 | Ameena Sherin | Mumbai | 23 |
| 5 | Rishana Koothradan | hyderabad | 25 |
| 6 | shahina | cheNNai | 26 |
| 7 | Umesh Parikh | hyderaBAD | 30 |
| 8 | Sanjay | amaravathi | 27 |
| 9 | Vijay Mallaya | new Delhi | 22 |
| 12 | Afreen Ara | new DELHI | 21 |
+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql> select city from passengers where age between 20 and 25;
+-----+
| city |
+-----+
| HYDERABAD |
| Mumbai |
| hyderabad |
| new Delhi |
| new DELHI |
+-----+
5 rows in set (0.00 sec)

mysql> select * from passengers where sno in(5,9);
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 5 | Rishana Koothradan | hyderabad | 25 |
+-----+-----+-----+-----+
```

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```
MySQL 8.0 Command Line Cli x + v
12 rows in set (0.00 sec)

mysql> select name from passengers where age=above 20;
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 '20' at line 1
mysql> select name from passengers where age=above20;
ERROR 1054 (42S22): Unknown column 'above20' in 'where clause'
mysql> select name from passengers where age=>20;
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 '=>20' at line 1
mysql> select name from passengers where age=20;
Empty set (0.00 sec)

mysql> select name from passengers where age=23;
+-----+
| name |
+-----+
| Ameena Sherin |
+-----+
1 row in set (0.00 sec)

mysql> select * from passengers where age >20;
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 2 | peedika Kandiyil yadhudev | HYDERABAD | 24 |
| 4 | Ameena Sherin | Mumbai | 23 |
| 5 | Rishana Koothradan | hyderabad | 25 |
| 6 | shahina | cheNNai | 26 |
| 7 | Umesh Parikh | hyderaBAad | 30 |
| 8 | Sanjay | amaravathi | 27 |
| 9 | Vijay Mallaya | new Delhi | 22 |
+-----+-----+-----+-----+
```

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```
MySQL 8.0 Command Line Cli x + v
mysql> select * from passengers where city="hyderabad";
+-----+-----+-----+-----+
| sno | name | city | age |
+-----+-----+-----+-----+
| 2 | peedika Kandiyil yadhudev | HYDERABAD | 24 |
| 5 | Rishana Koothradan | hyderabad | 25 |
| 7 | Umesh Parikh | hyderaBAD | 30 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select age from passengers ;
+-----+
| age |
+-----+
| 16 |
| 24 |
| 12 |
| 23 |
| 25 |
| 26 |
| 30 |
| 27 |
| 22 |
| 19 |
| 40 |
| 21 |
+-----+
12 rows in set (0.00 sec)

mysql> select name from passengers where age=above 20;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right
```