```
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
root@debian:~# mysql -u root -p -h localhost
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.11-MariaDB Source distribution

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

MariaDB [(none)]> create database SALES;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> use SALES;
Database changed
MariaDB [SALES]> create table SALES_DETAILS(salesID int primary key,
OrderDescription varchar(20) not null, Quantity int not null, Price int
not null, ItemDescription varchar(20) not null);
Query OK, 0 rows affected (0.015 sec)

MariaDB [SALES]> describe SALES_DETAILS;
+------------------+-------------+------+-----+---------+-------+
| Field            | Type        | Null | Key | Default | Extra |
+------------------+-------------+------+-----+---------+-------+
| salesID          | int(11)     | NO   | PRI | NULL    |       |
| OrderDescription | varchar(20) | NO   |     | NULL    |       |
| Quantity         | int(11)     | NO   |     | NULL    |       |
| Price            | int(11)     | NO   |     | NULL    |       |
| ItemDescription  | varchar(20) | NO   |     | NULL    |       |
+------------------+-------------+------+-----+---------+-------+
5 rows in set (0.003 sec)

MariaDB [SALES]> insert into SALES_DETAILS(salesID, OrderDescription,
Quantity, Price, ItemDescription)
    -> values(100, 'Frock', 20, 1200, 'New with tag');
Query OK, 1 row affected (0.010 sec)



MariaDB [SALES]> insert into SALES_DETAILS(salesID, OrderDescription,
Quantity, Price, ItemDescription)
    -> values(200, 'Trouser', 15, 1850, 'new')
    -> ,(300, 'T-shirts', 30, 1300, 'New with tag'),
    -> (400, 'Shirts', 25, 2000, 'new');
Query OK, 3 rows affected (0.004 sec)
Records: 3  Duplicates: 0  Warnings: 0

MariaDB [SALES]> describe SALES_DETAILS;
+------------------+-------------+------+-----+---------+-------+
| Field            | Type        | Null | Key | Default | Extra |
+------------------+-------------+------+-----+---------+-------+
| salesID          | int(11)     | NO   | PRI | NULL    |       |
| OrderDescription | varchar(20) | NO   |     | NULL    |       |
```

```
| Quantity         | int(11)     | NO   |     | NULL    |       |
| Price            | int(11)     | NO   |     | NULL    |       |
| ItemDescription  | varchar(20) | NO   |     | NULL    |       |
+------------------+-------------+------+-----+---------+-------+
```
5 rows in set (0.001 sec)

```
MariaDB [SALES]> select * from SALES_DETAILS;
+---------+------------------+----------+-------+-----------------+
| salesID | OrderDescription | Quantity | Price | ItemDescription |
+---------+------------------+----------+-------+-----------------+
|     100 | Frock            |       20 |  1200 | New with tag    |
|     200 | Trouser          |       15 |  1850 | new             |
|     300 | T-shirts         |       30 |  1300 | New with tag    |
|     400 | Shirts           |       25 |  2000 | new             |
+---------+------------------+----------+-------+-----------------+
```
4 rows in set (0.000 sec)

```
MariaDB [SALES]> select salesID,OrderDescription from SALES_DETAILS;
+---------+------------------+
| salesID | OrderDescription |
+---------+------------------+
|     100 | Frock            |
|     200 | Trouser          |
|     300 | T-shirts         |
|     400 | Shirts           |
+---------+------------------+
```
4 rows in set (0.001 sec)

```
MariaDB [SALES]> select * from SALES_DETAILS where salesID= 200;
+---------+------------------+----------+-------+-----------------+
| salesID | OrderDescription | Quantity | Price | ItemDescription |
+---------+------------------+----------+-------+-----------------+
|     200 | Trouser          |       15 |  1850 | new             |
+---------+------------------+----------+-------+-----------------+
```
1 row in set (0.002 sec)

```
MariaDB [SALES]> select * OrderDescription from SALES_DETAILS where
salesID= 200;
ERROR 1064 (42000): You have an error in your SQL syntax; check the
manual that corresponds to your MariaDB server version for the right
syntax to use near 'OrderDescription from SALES_DETAILS where salesID=
200' at line 1
MariaDB [SALES]> select OrderDescription from SALES_DETAILS where
salesID=200;
+------------------+
| OrderDescription |
+------------------+
| Trouser          |
+------------------+
```
1 row in set (0.000 sec)

```
MariaDB [SALES]> select *, Price*1.1 from SALES_DETAILS;
+---------+------------------+----------+-------+-----------------
+-----------+
| salesID | OrderDescription | Quantity | Price | ItemDescription |
Price*1.1 |
```

```
+---------+------------------+----------+-------+-----------------+-----------+
|     100 | Frock            |       20 |  1200 | New with tag    |    1320.0 |
|     200 | Trouser          |       15 |  1850 | new             |    2035.0 |
|     300 | T-shirts         |       30 |  1300 | New with tag    |    1430.0 |
|     400 | Shirts           |       25 |  2000 | new             |    2200.0 |
+---------+------------------+----------+-------+-----------------+-----------+
4 rows in set (0.001 sec)

MariaDB [SALES]> select *, Price*1.1 as New_price from SALES_DETAILS;
+---------+------------------+----------+-------+-----------------+-----------+
| salesID | OrderDescription | Quantity | Price | ItemDescription | New_price |
+---------+------------------+----------+-------+-----------------+-----------+
|     100 | Frock            |       20 |  1200 | New with tag    |    1320.0 |
|     200 | Trouser          |       15 |  1850 | new             |    2035.0 |
|     300 | T-shirts         |       30 |  1300 | New with tag    |    1430.0 |
|     400 | Shirts           |       25 |  2000 | new             |    2200.0 |
+---------+------------------+----------+-------+-----------------+-----------+
4 rows in set (0.001 sec)

MariaDB [SALES]> select salesID from SALES_DETAILS where New_price;
ERROR 1054 (42S22): Unknown column 'New_price' in 'where clause'
MariaDB [SALES]> select salesID from SALES_DETAILS where New_price<1500;
ERROR 1054 (42S22): Unknown column 'New_price' in 'where clause'
MariaDB [SALES]> select salesID from SALES_DETAILS where Price<1500;
+---------+
| salesID |
+---------+
|     100 |
|     300 |
+---------+
2 rows in set (0.001 sec)

MariaDB [SALES]> select OrderDescription from SALES_DETAILS where price
between 1500 and 2000;
+------------------+
| OrderDescription |
+------------------+
| Trouser          |
| Shirts           |
+------------------+
2 rows in set (0.001 sec)
```

```
MariaDB [SALES]> select * from SALES_DETAILS where OrderDescription not
in ('Frock', 'Trouser', 'T-shirts', 'Shirts');
Empty set (0.001 sec)

MariaDB [SALES]> select OrderDescription from SALES_DETAILS where
price>1500 && Quantity>20;
+------------------+
| OrderDescription |
+------------------+
| Shirts           |
+------------------+
1 row in set (0.001 sec)

MariaDB [SALES]> select OrderDescription from SALES_DETAILS where
Price>1500 || Quantity<15;
+------------------+
| OrderDescription |
+------------------+
| Trouser          |
| Shirts           |
+------------------+
2 rows in set (0.001 sec)

MariaDB [SALES]> select OrderDescription from SALES_DETAILS where
Price != 1500;
+------------------+
| OrderDescription |
+------------------+
| Frock            |
| Trouser          |
| T-shirts         |
| Shirts           |
+------------------+
4 rows in set (0.001 sec)

MariaDB [SALES]> select from SALES_DETAILS order by price desc;
ERROR 1064 (42000): You have an error in your SQL syntax; check the
manual that corresponds to your MariaDB server version for the right
syntax to use near 'from SALES_DETAILS order by price desc' at line 1
MariaDB [SALES]> select from SALES_DETAILS order by Price desc;
ERROR 1064 (42000): You have an error in your SQL syntax; check the
manual that corresponds to your MariaDB server version for the right
syntax to use near 'from SALES_DETAILS order by Price desc' at line 1
MariaDB [SALES]> select * from SALES_DETAILS order by Price desc;
+---------+------------------+----------+-------+-----------------+
| salesID | OrderDescription | Quantity | Price | ItemDescription |
+---------+------------------+----------+-------+-----------------+
|     400 | Shirts           |       25 |  2000 | new             |
|     200 | Trouser          |       15 |  1850 | new             |
|     300 | T-shirts         |       30 |  1300 | New with tag    |
|     100 | Frock            |       20 |  1200 | New with tag    |
+---------+------------------+----------+-------+-----------------+
4 rows in set (0.001 sec)

MariaDB [SALES]> select OrderDescription from  SALES_DETAILS order by
Price asc where Price>1500 && Quantity>20;
```

```
ERROR 1064 (42000): You have an error in your SQL syntax; check the
manual that corresponds to your MariaDB server version for the right
syntax to use near 'where Price>1500 && Quantity>20' at line 1
MariaDB [SALES]> select OrderDescription from SAlES_DETAILS where
Price>1500 && Quantity>20 order by Price asc;
ERROR 1146 (42S02): Table 'SALES.SAlES_DETAILS' doesn't exist
MariaDB [SALES]> select OrderDiscription from SALESDETAILS where Price >
1500 and Quantity> 20 order by Price asc;
ERROR 1146 (42S02): Table 'SALES.SALESDETAILS' doesn't exist
MariaDB [SALES]> select OrderDescription from SALES_DETAILS where
Price>1500 && Quantity>20 order by Price asc;
+------------------+
| OrderDescription |
+------------------+
| Shirts           |
+------------------+
1 row in set (0.001 sec)

MariaDB [SALES]> select OrderDescription  min(Price) from SALES_DETAILS;
ERROR 1064 (42000): You have an error in your SQL syntax; check the
manual that corresponds to your MariaDB server version for the right
syntax to use near 'min(Price) from SALES_DETAILS' at line 1
MariaDB [SALES]> select OrderDescription, min(Price) from SALES_DETAILS;
+------------------+------------+
| OrderDescription | min(Price) |
+------------------+------------+
| Frock            |       1200 |
+------------------+------------+
1 row in set (0.001 sec)

MariaDB [SALES]> select OderDescription max(Price)from SALES DETAILS;
ERROR 1064 (42000): You have an error in your SQL syntax; check the
manual that corresponds to your MariaDB server version for the right
syntax to use near 'max(Price)from SALES DETAILS' at line 1
MariaDB [SALES]> select OderDescription, max(Price) from SALES_DETAILS;
ERROR 1054 (42S22): Unknown column 'OderDescription' in 'field list'
MariaDB [SALES]> select OrderDescription, max(Price) from SALES_DETAILS;
+------------------+------------+
| OrderDescription | max(Price) |
+------------------+------------+
| Frock            |       2000 |
+------------------+------------+
1 row in set (0.000 sec)

MariaDB [SALES]> select avg(Price) from SALES_DETAILS;
+------------+
| avg(Price) |
+------------+
|  1587.5000 |
+------------+
1 row in set (0.001 sec)

MariaDB [SALES]> Ctrl-C -- exit!
Aborted
root@debian:~#
```