Setting environment for using XAMPP for Windows.

731816@128-IMAC27 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 2

Server version: 10.1.21-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> use csd2204w18

ERROR 1049 (42000): Unknown database 'csd2204w18'

MariaDB [(none)]> use csd2204w18;

ERROR 1049 (42000): Unknown database 'csd2204w18'

MariaDB [(none)]> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

+--------------------+

5 rows in set (0.03 sec)

MariaDB [(none)]> create database csd2204w18;

Query OK, 1 row affected (0.01 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> create table customers(customerID int(2),name varchar(20),nickname varchar(10),address varchar(50),city varchar(10),postalcode int(6));

Query OK, 0 rows affected (0.86 sec)

MariaDB [csd2204w18]> create table customers(customerID int(2),name varchar(20),nickname varchar(10),address varchar(50),city varchar(10),postalcode int(6));

ERROR 1050 (42S01): Table 'customers' already exists

MariaDB [csd2204w18]> insert into customers values(1,'Ashley','Ash','32 Washington street','WDC',321200);

Query OK, 1 row affected (0.17 sec)

MariaDB [csd2204w18]> insert into customers values(2,'Bob Marley','Bm','Keele Street','Toronto',100100);

Query OK, 1 row affected (0.13 sec)

MariaDB [csd2204w18]> insert into customers values(3,'Cherlies Theron','Cher','329 Empire state Building','New York',120134);

Query OK, 1 row affected (0.23 sec)

MariaDB [csd2204w18]> insert into customers values(4,'Denial Jack','DJ','Spartan Building East','Brazil',341020);

Query OK, 1 row affected (0.14 sec)

MariaDB [csd2204w18]> insert into customers values(5,'Donna Newman','New','250 Carlson Blvd','Toronto',130120);

Query OK, 1 row affected (0.16 sec)

MariaDB [csd2204w18]> insert into customers values(6,'Eston M.','M.','21 York. DV.','Toronto',201023);

Query OK, 1 row affected (0.25 sec)

MariaDB [csd2204w18]> Query OK, 1 row affected (0.05 sec)

-> insert into customers values(7,'Booby Chacko','Chao','Kennedy','New York',320300);

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 'Query OK, 1 row affected (0.05 sec)

insert into customers values(7,'Booby Chacko' at line 1

MariaDB [csd2204w18]> insert into customers values(7,'Booby Chacko','Chao','Kennedy','New York',320300);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> insert into customers values(8,'Ashko Charles','AK','Wahington DC','USA',421844);

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18]> insert into customers values(9,'Tony Special','Specie','Oakville','GTA',418921);

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18]> insert into customers values(10,'JAck Sp','Sparrow','Oastar Village','New Jersey',102301);

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> select \* from customers;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where name like %y;

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 '%y' at line 1

MariaDB [csd2204w18]> select \* from customers where name like '%y';

+------------+------------+----------+----------------------+---------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+------------+----------+----------------------+---------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

+------------+------------+----------+----------------------+---------+------------+

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where customerID not in (4,5,6,7);

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

+------------+-----------------+----------+---------------------------+------------+------------+

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where customerID not in (4 to 7);

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 'to 7)' at line 1

MariaDB [csd2204w18]> select \* from customers where customerID not between 4 to 7;

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 'to 7' at line 1

MariaDB [csd2204w18]> select \* from customers where customerID not between 4 and 7;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

+------------+-----------------+----------+---------------------------+------------+------------+

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where nickname not in('Bm','AK','Sparrow');

+------------+-----------------+----------+---------------------------+----------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+----------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

+------------+-----------------+----------+---------------------------+----------+------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select customerID,name,nickname from customers where nickname not in('Bm','AK','Sparrow');

+------------+-----------------+----------+

| customerID | name | nickname |

+------------+-----------------+----------+

| 1 | Ashley | Ash |

| 3 | Cherlies Theron | Cher |

| 4 | Denial Jack | DJ |

| 5 | Donna Newman | New |

| 6 | Eston M. | M. |

| 7 | Booby Chacko | Chao |

| 9 | Tony Special | Specie |

+------------+-----------------+----------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select customerID,name,city from customers where nickname not in('Bm','AK','Sparrow');

+------------+-----------------+----------+

| customerID | name | city |

+------------+-----------------+----------+

| 1 | Ashley | WDC |

| 3 | Cherlies Theron | New York |

| 4 | Denial Jack | Brazil |

| 5 | Donna Newman | Toronto |

| 6 | Eston M. | Toronto |

| 7 | Booby Chacko | New York |

| 9 | Tony Special | GTA |

+------------+-----------------+----------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select customerID,name AS 'Fullname',city from customers where nickname not in('Bm','AK','Sparrow');

+------------+-----------------+----------+

| customerID | Fullname | city |

+------------+-----------------+----------+

| 1 | Ashley | WDC |

| 3 | Cherlies Theron | New York |

| 4 | Denial Jack | Brazil |

| 5 | Donna Newman | Toronto |

| 6 | Eston M. | Toronto |

| 7 | Booby Chacko | New York |

| 9 | Tony Special | GTA |

+------------+-----------------+----------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select COUNT(\*) from customers where name like 'a%';

+----------+

| COUNT(\*) |

+----------+

| 2 |

+----------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select COUNT(\*) as 'NO. of names starting with A' from customers where name like 'a%';

+------------------------------+

| NO. of names starting with A |

+------------------------------+

| 2 |

+------------------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select COUNT as 'NO. of names starting with A' from customers where name like 'a%';

ERROR 1054 (42S22): Unknown column 'COUNT' in 'field list'

MariaDB [csd2204w18]> select COUNT(\*) as 'No. of persons from toronto' from customers where city='Toronto';

+-----------------------------+

| No. of persons from toronto |

+-----------------------------+

| 3 |

+-----------------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select COUNT(\*) as 'No. of persons from toronto' from customers where city='New York';

+-----------------------------+

| No. of persons from toronto |

+-----------------------------+

| 2 |

+-----------------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select COUNT(\*) as 'No. of persons from toronto' from customers where city='GTA';

+-----------------------------+

| No. of persons from toronto |

+-----------------------------+

| 1 |

+-----------------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select COUNT(\*) as 'No. of persons from toronto' from customers where city='WDC';

+-----------------------------+

| No. of persons from toronto |

+-----------------------------+

| 1 |

+-----------------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select distinct(city) from customers;

+------------+

| city |

+------------+

| WDC |

| Toronto |

| New York |

| Brazil |

| USA |

| GTA |

| New Jersey |

+------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select distinct(city) as 'cities from where customers belong' from customers;

+-------------------------------------+

| cities from where customers belong |

+-------------------------------------+

| WDC |

| Toronto |

| New York |

| Brazil |

| USA |

| GTA |

| New Jersey |

+-------------------------------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*) distinct(city) from customers;

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 'distinct(city) from customers' at line 1

MariaDB [csd2204w18]> select count(\*) (distinct(city)) from customers;

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 '(distinct(city)) from customers' at line 1

MariaDB [csd2204w18]> select count(distinct(city)) from customers;

+-----------------------+

| count(distinct(city)) |

+-----------------------+

| 7 |

+-----------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*) from customers where distinct(city);

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 'distinct(city)' at line 1

MariaDB [csd2204w18]> select distinct(city) as 'cities from where customers belong' from customers;

+-------------------------------------+

| cities from where customers belong |

+-------------------------------------+

| WDC |

| Toronto |

| New York |

| Brazil |

| USA |

| GTA |

| New Jersey |

+-------------------------------------+

7 rows in set (0.02 sec)

MariaDB [csd2204w18]> select distinct(city) as 'cities from where customers belong',count(\*) from customers;

+-------------------------------------+----------+

| cities from where customers belong | count(\*) |

+-------------------------------------+----------+

| WDC | 10 |

+-------------------------------------+----------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select distinct(city) as 'cities from where customers belong',count(\*) as 'No. of customers' from customers;

+-------------------------------------+------------------+

| cities from where customers belong | No. of customers |

+-------------------------------------+------------------+

| WDC | 10 |

+-------------------------------------+------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select distinct(city) as 'cities from where customers belong',count(\*) as 'No. of customers' from customers where city='distinct()';

+-------------------------------------+------------------+

| cities from where customers belong | No. of customers |

+-------------------------------------+------------------+

| NULL | 0 |

+-------------------------------------+------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select distinct(city) as 'cities from where customers belong',count(\*) as 'No. of customers' from customers where city='distinct(city)';

+-------------------------------------+------------------+

| cities from where customers belong | No. of customers |

+-------------------------------------+------------------+

| NULL | 0 |

+-------------------------------------+------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select distinct(city) as 'cities from where customers belong',count(\*) as 'No. of customers' from customers where city='\*';

+-------------------------------------+------------------+

| cities from where customers belong | No. of customers |

+-------------------------------------+------------------+

| NULL | 0 |

+-------------------------------------+------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select distinct(city) as 'cities from where customers belong',count(\*) as 'No. of customers' from customers group by city;

+-------------------------------------+------------------+

| cities from where customers belong | No. of customers |

+-------------------------------------+------------------+

| Brazil | 1 |

| GTA | 1 |

| New Jersey | 1 |

| New York | 2 |

| Toronto | 3 |

| USA | 1 |

| WDC | 1 |

+-------------------------------------+------------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select distinct(city) as 'cities from where customers belong',count(\*) as 'No. of customers' from customers;

+-------------------------------------+------------------+

| cities from where customers belong | No. of customers |

+-------------------------------------+------------------+

| WDC | 10 |

+-------------------------------------+------------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by name;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by name desc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by name asc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by postalcode asc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by postalcode desc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by city asc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.02 sec)

MariaDB [csd2204w18]> select \* from customers order by city in (select \* from customers order by postalcode);

ERROR 1241 (21000): Operand should contain 1 column(s)

MariaDB [csd2204w18]> select \* from customers order by city and postalcode;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set, 10 warnings (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by city and order by postalcode;

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 'order by postalcode' at line 1

MariaDB [csd2204w18]> select \* from customers order by city , postalcode;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by postalcode,city;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by city , postalcode;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by postalcode,city;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by postalcode desc,city asc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by city asc, postalcode desc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by customerID asc,name asc, city desc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by customerID desc,name asc, city desc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by name asc, city desc;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.01 sec)

MariaDB [csd2204w18]> select \* from customers group by city;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

+------------+-----------------+----------+---------------------------+------------+------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*) as 'No. of customers',city from customers group by city;

+------------------+------------+

| No. of customers | city |

+------------------+------------+

| 1 | Brazil |

| 1 | GTA |

| 1 | New Jersey |

| 2 | New York |

| 3 | Toronto |

| 1 | USA |

| 1 | WDC |

+------------------+------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*) as 'No. of customers',city from customers group by city having name like 'd%';

ERROR 1054 (42S22): Unknown column 'name' in 'having clause'

MariaDB [csd2204w18]> select count(\*) as 'No. of customers',city,name from customers group by city having name like 'd%';

+------------------+--------+-------------+

| No. of customers | city | name |

+------------------+--------+-------------+

| 1 | Brazil | Denial Jack |

+------------------+--------+-------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select city,name from customers group by city having name like 'd%';

+--------+-------------+

| city | name |

+--------+-------------+

| Brazil | Denial Jack |

+--------+-------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select city,name from customers group by city having name like 'a%';

+------+---------------+

| city | name |

+------+---------------+

| USA | Ashko Charles |

| WDC | Ashley |

+------+---------------+

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select city,name from customers group by city having city like 't%';

+---------+------------+

| city | name |

+---------+------------+

| Toronto | Bob Marley |

+---------+------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select city,from customers group by city having city like 't%';

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 customers group by city having city like 't%'' at line 1

MariaDB [csd2204w18]> select city from customers group by city having city like 't%';

+---------+

| city |

+---------+

| Toronto |

+---------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select city from customers group by city having city like 't%';

+---------+

| city |

+---------+

| Toronto |

+---------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select min(postalcode) from customers;

+-----------------+

| min(postalcode) |

+-----------------+

| 100100 |

+-----------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select max(postalcode) from customers;

+-----------------+

| max(postalcode) |

+-----------------+

| 421844 |

+-----------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select sum(postalcode) from customers;

+-----------------+

| sum(postalcode) |

+-----------------+

| 2476963 |

+-----------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select avg(postalcode) from customers;

+-----------------+

| avg(postalcode) |

+-----------------+

| 247696.3000 |

+-----------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers group by city having city like 't%' order by city;

+------------+------------+----------+--------------+---------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+------------+----------+--------------+---------+------------+

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

+------------+------------+----------+--------------+---------+------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select city from customers group by city having city like 't%' order by city;

+---------+

| city |

+---------+

| Toronto |

+---------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select city from customers group by city order by city;

+------------+

| city |

+------------+

| Brazil |

| GTA |

| New Jersey |

| New York |

| Toronto |

| USA |

| WDC |

+------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select city,postalcode from customers group by city order by postalcode ;

+------------+------------+

| city | postalcode |

+------------+------------+

| Toronto | 100100 |

| New Jersey | 102301 |

| New York | 120134 |

| WDC | 321200 |

| Brazil | 341020 |

| GTA | 418921 |

| USA | 421844 |

+------------+------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select city,postalcode from customers group by city;

+------------+------------+

| city | postalcode |

+------------+------------+

| Brazil | 341020 |

| GTA | 418921 |

| New Jersey | 102301 |

| New York | 120134 |

| Toronto | 100100 |

| USA | 421844 |

| WDC | 321200 |

+------------+------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select city,postalcode from customers where nickname like 'A%';

+------+------------+

| city | postalcode |

+------+------------+

| WDC | 321200 |

| USA | 421844 |

+------+------------+

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select city,postalcode from customers nickname like 'a%' in (select city,postalcode from customers where city='USA');

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 'like 'a%' in (select city,postalcode from customers where city='USA')' at line 1

MariaDB [csd2204w18]> select city,postalcode from customers nickname like 'a%' (select city,postalcode from customers where city='USA');

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 'like 'a%' (select city,postalcode from customers where city='USA')' at line 1

MariaDB [csd2204w18]> select city,postalcode from customers nickname like 'a%' exists (select city,postalcode from customers where city='USA');

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 'like 'a%' exists (select city,postalcode from customers where city='USA')' at line 1

MariaDB [csd2204w18]> select city,postalcode from customers where nickname like 'a%' (select city,postalcode from customers where city='USA');

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 '(select city,postalcode from customers where city='USA')' at line 1

MariaDB [csd2204w18]> select city,postalcode from customers where nickname like 'a%' in (select city,postalcode from customers where city='USA');

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 'in (select city,postalcode from customers where city='USA')' at line 1

MariaDB [csd2204w18]> select city,postalcode from customers where nickname like 'a%' and city='USA';

+------+------------+

| city | postalcode |

+------+------------+

| USA | 421844 |

+------+------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select name from customers where max(postalcode);

ERROR 1111 (HY000): Invalid use of group function

MariaDB [csd2204w18]> select name, max(postalcode) from customers;

+--------+-----------------+

| name | max(postalcode) |

+--------+-----------------+

| Ashley | 421844 |

+--------+-----------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select city,count(city)\*100/10 as 'customer %' from customers group by city;

+------------+------------+

| city | customer % |

+------------+------------+

| Brazil | 10.0000 |

| GTA | 10.0000 |

| New Jersey | 10.0000 |

| New York | 20.0000 |

| Toronto | 30.0000 |

| USA | 10.0000 |

| WDC | 10.0000 |

+------------+------------+

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select name from customers where sum(postalcode);

ERROR 1111 (HY000): Invalid use of group function

MariaDB [csd2204w18]> select \* from customers;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

+------------+-----------------+----------+---------------------------+------------+------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers limit 5;

+------------+-----------------+----------+---------------------------+----------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+----------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

+------------+-----------------+----------+---------------------------+----------+------------+

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers limit -5;

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 '-5' at line 1

MariaDB [csd2204w18]> select \* from customers limit 3;

+------------+-----------------+----------+---------------------------+----------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+----------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

+------------+-----------------+----------+---------------------------+----------+------------+

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers limit down 3;

ERROR 1327 (42000): Undeclared variable: down

MariaDB [csd2204w18]> select \* from customers limit bottom 3;

ERROR 1327 (42000): Undeclared variable: bottom

MariaDB [csd2204w18]> select \* from customers bottom 3;

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 '3' at line 1

MariaDB [csd2204w18]> select \* from customers low 3;

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 '3' at line 1

MariaDB [csd2204w18]> select \* from customers order by customeID desc limit 3;

ERROR 1054 (42S22): Unknown column 'customeID' in 'order clause'

MariaDB [csd2204w18]> select \* from customers order by customerID desc limit 3;

+------------+---------------+----------+----------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+---------------+----------+----------------+------------+------------+

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

+------------+---------------+----------+----------------+------------+------------+

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers order by customerID asc limit 3;

+------------+-----------------+----------+---------------------------+----------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+----------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

+------------+-----------------+----------+---------------------------+----------+------------+

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> (select \* from customers order by customerID desc limit 3)order by customerID asc;

+------------+---------------+----------+----------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+---------------+----------+----------------+------------+------------+

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

+------------+---------------+----------+----------------+------------+------------+

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> select name form customers where name in(a,b,d);

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 'customers where name in(a,b,d)' at line 1

MariaDB [csd2204w18]> select name form customers where customerID in(2,4,6,7,9) order by name asc;

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 'customers where customerID in(2,4,6,7,9) order by name asc' at line 1

MariaDB [csd2204w18]> select name from customers where customerID in(2,4,6,7,9) order by name asc;

+--------------+

| name |

+--------------+

| Bob Marley |

| Booby Chacko |

| Denial Jack |

| Eston M. |

| Tony Special |

+--------------+

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select name,city from customers where customerID in(2,4,6,7,9) order by name asc;

+--------------+----------+

| name | city |

+--------------+----------+

| Bob Marley | Toronto |

| Booby Chacko | New York |

| Denial Jack | Brazil |

| Eston M. | Toronto |

| Tony Special | GTA |

+--------------+----------+

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select name,city from customers where customerID in(2,4,6,7,9) order by name asc group by city;

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 'group by city' at line 1

MariaDB [csd2204w18]> select name,city from customers where customerID in(2,4,6,7,9) order by name asc;

+--------------+----------+

| name | city |

+--------------+----------+

| Bob Marley | Toronto |

| Booby Chacko | New York |

| Denial Jack | Brazil |

| Eston M. | Toronto |

| Tony Special | GTA |

+--------------+----------+

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from (select \* from customers order by customerID desc limit 3) k1 order by customerID asc;

+------------+---------------+----------+----------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+---------------+----------+----------------+------------+------------+

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

+------------+---------------+----------+----------------+------------+------------+

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> insert into customers (customerID,name) values(11,kirandeep);

ERROR 1054 (42S22): Unknown column 'kirandeep' in 'field list'

MariaDB [csd2204w18]> insert into customers (customerID,name) values(11,'kirandeep');

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> select \* from customers

-> ;

+------------+-----------------+----------+---------------------------+------------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------------+----------+---------------------------+------------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 2 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | New York | 120134 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 5 | Donna Newman | New | 250 Carlson Blvd | Toronto | 130120 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

| 10 | JAck Sp | Sparrow | Oastar Village | New Jersey | 102301 |

| 11 | kirandeep | NULL | NULL | NULL | NULL |

+------------+-----------------+----------+---------------------------+------------+------------+

11 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where nickname=NULL;

Empty set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where nickname is NULL;

+------------+-----------+----------+---------+------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+-----------+----------+---------+------+------------+

| 11 | kirandeep | NULL | NULL | NULL | NULL |

+------------+-----------+----------+---------+------+------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where postalcode >=200000;

+------------+---------------+----------+-----------------------+----------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+---------------+----------+-----------------------+----------+------------+

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

+------------+---------------+----------+-----------------------+----------+------------+

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where postalcode >=200000 order by name;

+------------+---------------+----------+-----------------------+----------+------------+

| customerID | name | nickname | address | city | postalcode |

+------------+---------------+----------+-----------------------+----------+------------+

| 8 | Ashko Charles | AK | Wahington DC | USA | 421844 |

| 1 | Ashley | Ash | 32 Washington street | WDC | 321200 |

| 7 | Booby Chacko | Chao | Kennedy | New York | 320300 |

| 4 | Denial Jack | DJ | Spartan Building East | Brazil | 341020 |

| 6 | Eston M. | M. | 21 York. DV. | Toronto | 201023 |

| 9 | Tony Special | Specie | Oakville | GTA | 418921 |

+------------+---------------+----------+-----------------------+----------+------------+

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select name,city from customers where postalcode >=200000 order by name;

+---------------+----------+

| name | city |

+---------------+----------+

| Ashko Charles | USA |

| Ashley | WDC |

| Booby Chacko | New York |

| Denial Jack | Brazil |

| Eston M. | Toronto |

| Tony Special | GTA |

+---------------+----------+

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select customerID,name,city from customers where postalcode >=200000 order by name having name like 'a%';

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 'having name like 'a%'' at line 1

MariaDB [csd2204w18]> select customerID,name,city from customers where postalcode >=200000 order by name and name like 'a%';

+------------+---------------+----------+

| customerID | name | city |

+------------+---------------+----------+

| 1 | Ashley | WDC |

| 4 | Denial Jack | Brazil |

| 6 | Eston M. | Toronto |

| 7 | Booby Chacko | New York |

| 8 | Ashko Charles | USA |

| 9 | Tony Special | GTA |

+------------+---------------+----------+

6 rows in set, 6 warnings (0.00 sec)

MariaDB [csd2204w18]> select customerID,name,city from customers where postalcode >=200000 order by name;

+------------+---------------+----------+

| customerID | name | city |

+------------+---------------+----------+

| 8 | Ashko Charles | USA |

| 1 | Ashley | WDC |

| 7 | Booby Chacko | New York |

| 4 | Denial Jack | Brazil |

| 6 | Eston M. | Toronto |

| 9 | Tony Special | GTA |

+------------+---------------+----------+

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from (select customerID,name,city from customers where postalcode >=200000 order by name) k2 name like 'a%';

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 'name like 'a%'' at line 1

MariaDB [csd2204w18]> select customerID,name,city from customers where postalcode >=200000 order by name;

+------------+---------------+----------+

| customerID | name | city |

+------------+---------------+----------+

| 8 | Ashko Charles | USA |

| 1 | Ashley | WDC |

| 7 | Booby Chacko | New York |

| 4 | Denial Jack | Brazil |

| 6 | Eston M. | Toronto |

| 9 | Tony Special | GTA |

+------------+---------------+----------+

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select customerID,name,city from customers where postalcode >=200000 order by name;

+------------+---------------+----------+

| customerID | name | city |

+------------+---------------+----------+

| 8 | Ashko Charles | USA |

| 1 | Ashley | WDC |

| 7 | Booby Chacko | New York |

| 4 | Denial Jack | Brazil |

| 6 | Eston M. | Toronto |

| 9 | Tony Special | GTA |

+------------+---------------+----------+

6 rows in set (0.00 sec)

MariaDB [csd2204w18]>