Setting environment for using XAMPP for Windows.

728636@128-IMAC31 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 3

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 csd2204w2018

Database changed

MariaDB [csd2204w2018]> CREATE TABLE `customers` (

-> `customersID` int(2) DEFAULT NULL,

-> `name` varchar(40) DEFAULT NULL,

-> `nickname` varchar(10) DEFAULT NULL,

-> `address` varchar(50) DEFAULT NULL,

-> `city` varchar(30) DEFAULT NULL,

-> `postal\_code` int(6) DEFAULT NULL

-> )

-> ;

Query OK, 0 rows affected (0.36 sec)

MariaDB [csd2204w2018]> insert into customers values(2,'ashley', 'ash', '32 Washington Street', 'WDC', 321200);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w2018]> insert into customers values(3,'Bob Marley', 'Bm', 'Keele Street', 'Toronto', 100100);

Query OK, 1 row affected (0.13 sec)

MariaDB [csd2204w2018]> insert into customers values(4,'Cherlies Theron', 'Cher', '329 Empire State Building', 'New York', 120134);

Query OK, 1 row affected (0.30 sec)

MariaDB [csd2204w2018]> insert into customers values(5,'Denial Jack', 'DJ', 'Spartan Building. East', 'Brazil', 341020);

Query OK, 1 row affected (0.39 sec)

MariaDB [csd2204w2018]> insert into customers values(6,'Donna Newman', 'New', '250 Charlson blvd', 'Toronto', 120130);

Query OK, 1 row affected (0.55 sec)

MariaDB [csd2204w2018]> insert into customers values(7,'Easton M.', 'M.', '21 York. DV.', 'Toronto', 201023);

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w2018]> insert into customers values(8,'Bobby Chacko', 'chac', 'Kennedy', 'New York', 320300);

Query OK, 1 row affected (0.13 sec)

MariaDB [csd2204w2018]> insert into customers values(9,'Ashko Charles', 'AK', 'Washington D.C.', 'USA', 421044);

Query OK, 1 row affected (0.11 sec)

MariaDB [csd2204w2018]> insert into customers values(10,'Tony Special', 'Specie', 'Oakville', 'GTA', 418921);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w2018]> insert into customers values(11,'Jack Sp', 'Sparrow', 'Oaster village', 'New Jersey', 102301);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w2018]> select \* from customers;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 2 | ashley | ash | 32 Washington Street | WDC | 321200 |

| 3 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 4 | Cherlies Theron | Cher | 329 Empire State Building | New York | 120134 |

| 5 | Denial Jack | DJ | Spartan Building. East | Brazil | 341020 |

| 6 | Donna Newman | New | 250 Charlson blvd | Toronto | 120130 |

| 7 | Easton M. | M. | 21 York. DV. | Toronto | 201023 |

| 8 | Bobby Chacko | chac | Kennedy | New York | 320300 |

| 9 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

| 10 | Tony Special | Specie | Oakville | GTA | 418921 |

| 11 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> update customers set customersID = 1 where customersID = 2;

Query OK, 1 row affected (0.34 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> select \* from customers;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 1 | ashley | ash | 32 Washington Street | WDC | 321200 |

| 3 | Bob Marley | Bm | Keele Street | Toronto | 100100 |

| 4 | Cherlies Theron | Cher | 329 Empire State Building | New York | 120134 |

| 5 | Denial Jack | DJ | Spartan Building. East | Brazil | 341020 |

| 6 | Donna Newman | New | 250 Charlson blvd | Toronto | 120130 |

| 7 | Easton M. | M. | 21 York. DV. | Toronto | 201023 |

| 8 | Bobby Chacko | chac | Kennedy | New York | 320300 |

| 9 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

| 10 | Tony Special | Specie | Oakville | GTA | 418921 |

| 11 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> update customers set customersID = 2 where customersID = 3;

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set customersID = 3 where customersID = 4;

Query OK, 1 row affected (0.70 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set customersID = 4 where customersID = 5;

Query OK, 1 row affected (0.05 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set customersID = 5 where customersID = 6;

Query OK, 1 row affected (0.05 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set customersID = 6 where customersID = 7;

Query OK, 1 row affected (1.05 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set customersID = 7 where customersID = 8;

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set customersID = 8 where customersID = 9;

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set customersID = 9 where customersID = 10;

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set customersID = 10 where customersID = 11;

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> select \* from customers;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> update customers set name = 'Ashley' where name = ashley;

ERROR 1054 (42S22): Unknown column 'ashley' in 'where clause'

MariaDB [csd2204w2018]> update customers set name = 'Ashley' where name = 'ashley';

Query OK, 1 row affected (0.05 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set name = 'Bob marley' where name = 'Bob Marley';

Query OK, 1 row affected (0.16 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set name = 'Donna newman' where name = 'Donna Newman';

Query OK, 1 row affected (0.22 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set name = 'Eston M.' where name = 'Easton M.';e

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

-> ;

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 'e' at line 1

MariaDB [csd2204w2018]> select \* from customers;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> update customers set nickname = 'Ash' where name = 'ashley';

Query OK, 1 row affected (0.09 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set nickname = 'Chac' where name = 'Bobby Chacko';

Query OK, 1 row affected (0.28 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set address = '32 Washington street' where name = 'ashley';

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w2018]> update customers set address = 'Keele Street' where name = 'Bob marley';

Query OK, 0 rows affected (0.06 sec)

Rows matched: 1 Changed: 0 Warnings: 0

MariaDB [csd2204w2018]> Select \* from customers;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers where name like '%n';

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

| customersID | name | nickname | address | city | postal\_code |

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

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

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers where customersID not between 4 and 7;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

6 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers where nickname not ('Bm','AK','Sparrow');

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 '('Bm','AK','Sparrow')' at line 1

MariaDB [csd2204w2018]> select \* from customers where nickname not in ('Bm','AK','Sparrow');

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

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

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select customersID,name,nickname from customers where nickname not in ('Bm','AK','Sparrow');

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

| customersID | name | nickname |

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

| 1 | Ashley | Ash |

| 3 | Cherlies Theron | Cher |

| 4 | Denial Jack | DJ |

| 5 | Donna newman | New |

| 6 | Eston M. | M. |

| 7 | Bobby Chacko | Chac |

| 9 | Tony Special | Specie |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select customersID,name,city from customers where nickname not in ('Bm','AK','Sparrow');

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

| customersID | name | city |

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

| 1 | Ashley | WDC |

| 3 | Cherlies Theron | New York |

| 4 | Denial Jack | Brazil |

| 5 | Donna newman | Toronto |

| 6 | Eston M. | Toronto |

| 7 | Bobby Chacko | New York |

| 9 | Tony Special | GTA |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select customersID,name AS "Fullname" from customers where nickname not in ('Bm','AK','Sparrow');

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

| customersID | Fullname |

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

| 1 | Ashley |

| 3 | Cherlies Theron |

| 4 | Denial Jack |

| 5 | Donna newman |

| 6 | Eston M. |

| 7 | Bobby Chacko |

| 9 | Tony Special |

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

7 rows in set (0.02 sec)

MariaDB [csd2204w2018]> Select \* from customers;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> Count name from customers where 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 'Count name from customers where name like 'A%'' at line 1

MariaDB [csd2204w2018]> select (count\*) from customers where 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 ') from customers where name like 'A%'' at line 1

MariaDB [csd2204w2018]> select count(\*) from customers where name like 'A%';

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

| count(\*) |

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

| 2 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(\*) as 'count of names starting with a'from customers where name like 'A%';

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

| count of names starting with a |

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

| 2 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(\*) from customers where city= 'Toronto';

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

| count(\*) |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(\*) as 'Number of people from from customers where city= 'Toronto';

Setting environment for using XAMPP for Windows.

728636@128-IMAC31 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 5

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 csd2204w2018

Database changed

MariaDB [csd2204w2018]> select count(\*) as 'Number of people from Toronto" from customers where city = 'Toronto';

'> '

-> ;

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 'Toronto';

'' at line 1

MariaDB [csd2204w2018]> select count(\*) as 'Number of people from Toronto' from customers where city = 'Toronto';

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

| Number of people from Toronto |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(city) as 'Number of people from Toronto' from customers where city = 'Toronto';

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

| Number of people from Toronto |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distict

-> ;

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

MariaDB [csd2204w2018]> select \* from customers where city = distinct;

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' at line 1

MariaDB [csd2204w2018]> select distinct city from customers;

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

| city |

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

| WDC |

| Toronto |

| New York |

| Brazil |

| USA |

| GTA |

| New Jersey |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct count(city) from customers;

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

| count(city) |

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

| 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct city and count from customers;

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

MariaDB [csd2204w2018]> select distinct city,count(city) from customers;

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

| city | count(city) |

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

| WDC | 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct count(city) from customers;

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

| count(city) |

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

| 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct city from customers;

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

| city |

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

| WDC |

| Toronto |

| New York |

| Brazil |

| USA |

| GTA |

| New Jersey |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct(city), count from customers;

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

MariaDB [csd2204w2018]> select distinct(city) from customers;

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

| city |

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

| WDC |

| Toronto |

| New York |

| Brazil |

| USA |

| GTA |

| New Jersey |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct(city),count(city) from customers;

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

| city | count(city) |

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

| WDC | 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct(city),distinct(count(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(count(city)) from customers' at line 1

MariaDB [csd2204w2018]> select distinct(city) and count from customers;

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

MariaDB [csd2204w2018]> select distinct(city) and count from customers;

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

MariaDB [csd2204w2018]> select distinct(city) and count(city) from customers;

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

| (city) and count(city) |

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

| 0 |

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

1 row in set, 1 warning (0.00 sec)

MariaDB [csd2204w2018]> select count(city) from customers;

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

| count(city) |

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

| 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(distinct(city)) from customers;

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

| count(distinct(city)) |

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

| 7 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select count(city(toronto) 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 'from customers' at line 1

MariaDB [csd2204w2018]> select count(city(toronto)) from customers;

ERROR 1305 (42000): FUNCTION csd2204w2018.city does not exist

MariaDB [csd2204w2018]> select count(city) where city = 'Toronto' 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 'where city = 'Toronto' from customers' at line 1

MariaDB [csd2204w2018]> select count(city) from customers where city = 'Toronto';

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

| count(city) |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count('Toronto') from customers;

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

| count('Toronto') |

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

| 10 |

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

1 row in set (0.02 sec)

MariaDB [csd2204w2018]> select count(city), city from customers group by city;

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

| count(city) | 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 [csd2204w2018]> select \* from customers order by city,postal\_code asc;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

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

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by postal\_code,city asc;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

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

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

| 7 | Bobby Chacko | Chac | 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 | Washington D.C. | USA | 421044 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by city asc,order by postal\_code 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 'order by postal\_code desc' at line 1

MariaDB [csd2204w2018]> select \* from customers order by city asc,postal\_code desc;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

| 7 | Bobby Chacko | Chac | 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 Charlson blvd | Toronto | 120130 |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by customersID asc,name asc,city desc;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

Setting environment for using XAMPP for Windows.

728636@128-IMAC31 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 5

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 csd2204w2018

Database changed

MariaDB [csd2204w2018]> select count(\*) as 'Number of people from Toronto" from customers where city = 'Toronto';

'> '

-> ;

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 'Toronto';

'' at line 1

MariaDB [csd2204w2018]> select count(\*) as 'Number of people from Toronto' from customers where city = 'Toronto';

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

| Number of people from Toronto |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(city) as 'Number of people from Toronto' from customers where city = 'Toronto';

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

| Number of people from Toronto |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distict

-> ;

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

MariaDB [csd2204w2018]> select \* from customers where city = distinct;

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' at line 1

MariaDB [csd2204w2018]> select distinct city from customers;

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

| city |

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

| WDC |

| Toronto |

| New York |

| Brazil |

| USA |

| GTA |

| New Jersey |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct count(city) from customers;

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

| count(city) |

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

| 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct city and count from customers;

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

MariaDB [csd2204w2018]> select distinct city,count(city) from customers;

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

| city | count(city) |

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

| WDC | 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct count(city) from customers;

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

| count(city) |

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

| 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct city from customers;

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

| city |

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

| WDC |

| Toronto |

| New York |

| Brazil |

| USA |

| GTA |

| New Jersey |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct(city), count from customers;

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

MariaDB [csd2204w2018]> select distinct(city) from customers;

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

| city |

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

| WDC |

| Toronto |

| New York |

| Brazil |

| USA |

| GTA |

| New Jersey |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct(city),count(city) from customers;

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

| city | count(city) |

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

| WDC | 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select distinct(city),distinct(count(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(count(city)) from customers' at line 1

MariaDB [csd2204w2018]> select distinct(city) and count from customers;

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

MariaDB [csd2204w2018]> select distinct(city) and count from customers;

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

MariaDB [csd2204w2018]> select distinct(city) and count(city) from customers;

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

| (city) and count(city) |

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

| 0 |

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

1 row in set, 1 warning (0.00 sec)

MariaDB [csd2204w2018]> select count(city) from customers;

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

| count(city) |

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

| 10 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(distinct(city)) from customers;

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

| count(distinct(city)) |

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

| 7 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select count(city(toronto) 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 'from customers' at line 1

MariaDB [csd2204w2018]> select count(city(toronto)) from customers;

ERROR 1305 (42000): FUNCTION csd2204w2018.city does not exist

MariaDB [csd2204w2018]> select count(city) where city = 'Toronto' 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 'where city = 'Toronto' from customers' at line 1

MariaDB [csd2204w2018]> select count(city) from customers where city = 'Toronto';

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

| count(city) |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count('Toronto') from customers;

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

| count('Toronto') |

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

| 10 |

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

1 row in set (0.02 sec)

MariaDB [csd2204w2018]> select \* from customers order by name;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

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

| 7 | Bobby Chacko | Chac | 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 Charlson blvd | Toronto | 120130 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by name asc;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

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

| 7 | Bobby Chacko | Chac | 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 Charlson blvd | Toronto | 120130 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by name dsc;

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 'dsc' at line 1

MariaDB [csd2204w2018]> select \* from customers order by name desc;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

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

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

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

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select count(city), city from customers;

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

| count(city) | city |

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

| 10 | WDC |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(city), city from customers order by city;

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

| count(city) | city |

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

| 10 | WDC |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(city), city from customers group by city;

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

| count(city) | 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 [csd2204w2018]> select \* from customers order by postal\_code ;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

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

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

| 7 | Bobby Chacko | Chac | 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 | Washington D.C. | USA | 421044 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by city and postal\_code ;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

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

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

| 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 | Oaster village | New Jersey | 102301 |

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

10 rows in set, 10 warnings (0.00 sec)

MariaDB [csd2204w2018]> select count(city), city from customers;

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

| count(city) | city |

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

| 10 | WDC |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select count(city), city from customers group by city;

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

| count(city) | 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 [csd2204w2018]> select \* from customers order by city,postal\_code asc;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

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

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by postal\_code,city asc;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

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

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

| 7 | Bobby Chacko | Chac | 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 | Washington D.C. | USA | 421044 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by city asc,order by postal\_code 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 'order by postal\_code desc' at line 1

MariaDB [csd2204w2018]> select \* from customers order by city asc,postal\_code desc;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

| 7 | Bobby Chacko | Chac | 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 Charlson blvd | Toronto | 120130 |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by customersID asc,name asc,city desc;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select count(\*

-> ) as 'count of cities',city from customers group by city;

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

| count of cities | 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 [csd2204w2018]> select city,count(city) over() as count 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 '() as count from customers' at line 1

MariaDB [csd2204w2018]> select \* from customers where name like 'D%' group by city;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select city,count(city) over() as 'count' 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 '() as 'count' from customers' at line 1

MariaDB [csd2204w2018]> select min(postal\_code) from customers;

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

| min(postal\_code) |

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

| 100100 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select sum(postal\_code,customersID) 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 'customersID) from customers' at line 1

MariaDB [csd2204w2018]> select sum(postal\_code) from customers;

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

| sum(postal\_code) |

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

| 2466173 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select avg(postal\_code) from customers;

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

| avg(postal\_code) |

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

| 246617.3000 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select index(postal\_code) 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 'index(postal\_code) from customers' at line 1

MariaDB [csd2204w2018]> select max(postal\_code) from customers;

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

| max(postal\_code) |

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

| 421044 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers where name like 'D%' ;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

| 5 | Donna newman | New | 250 Charlson blvd | Toronto | 120130 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers ;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers group by city ;

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

| customersID | name | nickname | address | city | postal\_code |

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

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

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

| 10 | Jack Sp | Sparrow | Oaster 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 | Washington D.C. | USA | 421044 |

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

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

7 rows in set (0.00 sec)

MariaDB [csd2204w2018]> integer(10,2)

-> ;

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 'integer(10,2)' at line 1

MariaDB [csd2204w2018]> select \* from customers limit 4;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers limit -4;

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 '-4' at line 1

MariaDB [csd2204w2018]> select \* from customers limit 5;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers limit 3;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 [csd2204w2018]> select \* from customers limit 3 order by 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 'order by desc' at line 1

MariaDB [csd2204w2018]> select \* from customers order by 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 'desc' at line 1

MariaDB [csd2204w2018]> select \* from customers order by ;

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 '' at line 1

MariaDB [csd2204w2018]> select \* from customers order by customersID;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by customersID limit 3;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 [csd2204w2018]> select \* from customers order by desc customersID limit 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 'desc customersID limit 3' at line 1

MariaDB [csd2204w2018]> select \* from customers order by customersID desc limit 3;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers limit 3 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 'desc' at line 1

MariaDB [csd2204w2018]> select \* from customers order by customersID limit 3 order by 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 'order by asc' at line 1

MariaDB [csd2204w2018]> select \* from customers order by customersID limit 3

-> ;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 [csd2204w2018]> select \* from customers order by customersID desc limit 3;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by customersID desc limit 3(order by 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 '(order by asc)' at line 1

MariaDB [csd2204w2018]> select \* from customers order by customersID desc limit 3,order by 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 'order by asc' at line 1

MariaDB [csd2204w2018]> select \* from customers order by customersID desc limit 3;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers order by customersID desc limit 3;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w2018]> (select \* from customers order by customersID desc limit 3) order by customersID;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from(select \* from customers order by customersID desc limit 3) j1 order by customersID;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w2018]> insert into customers (customersID,name) VALUES(11,'Keshav');

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w2018]> select \* from customers;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

| 11 | Keshav | NULL | NULL | NULL | NULL |

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

11 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers where nickname = NULL;

Empty set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers where nickname not NULL;

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 'NULL' at line 1

MariaDB [csd2204w2018]> select \* from customers where nickname = empty;

ERROR 1054 (42S22): Unknown column 'empty' in 'where clause'

MariaDB [csd2204w2018]> select \* from customers where nickname not NULL;

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 'NULL' at line 1

MariaDB [csd2204w2018]> select \* from customers where nickname = NULL;

Empty set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers where city = NULL;

Empty set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers where nickname is NULL;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 11 | Keshav | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from customers where nickname is not NULL;

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

| customersID | name | nickname | address | city | postal\_code |

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

| 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 Charlson blvd | Toronto | 120130 |

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

| 7 | Bobby Chacko | Chac | Kennedy | New York | 320300 |

| 8 | Ashko Charles | AK | Washington D.C. | USA | 421044 |

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

| 10 | Jack Sp | Sparrow | Oaster village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w2018]> select \* from j1.customers;

ERROR 1146 (42S02): Table 'j1.customers' doesn't exist

MariaDB [csd2204w2018]> select \* from customers.j1;

ERROR 1146 (42S02): Table 'customers.j1' doesn't exist

MariaDB [csd2204w2018]>