Setting environment for using XAMPP for Windows.

726246@128-IMAC19 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)]> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

5 rows in set (0.06 sec)

MariaDB [(none)]> create database AC\_MAST;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use AC\_MAST;

Database changed

MariaDB [AC\_MAST]> create table account(

-> ac\_type varchar(3) primary key,

-> ac\_no int(4),

-> cust\_no int(5),

-> bal int(10,2),

-> od\_limit int(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 '2),

od\_limit int(10,2)

)' at line 5

MariaDB [AC\_MAST]>

MariaDB [AC\_MAST]>

MariaDB [AC\_MAST]> show databases;

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

| Database |

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

| ac\_mast |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

6 rows in set (0.00 sec)

MariaDB [AC\_MAST]> create database customer;

Query OK, 1 row affected (0.02 sec)

MariaDB [AC\_MAST]> use customer;

Database changed

MariaDB [customer]> create table customerBye

726246@128-IMAC19 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)]> create database csd220w18;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use csd220w18;

Database changed

MariaDB [csd220w18]> create table customer(

-> -> customerID int(2),

-> -> name varchar (40),

-> -> nickname varchar(10),

-> -> address varchar(50),

-> -> city varchar(30),

-> -> postolcode int(6)

-> -> );

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 '-> customerID int(2),

-> name varchar (40),

-> nickname varchar(10),

' at line 2

MariaDB [csd220w18]> create table customer(

-> customerID int(2),

-> name varchar (40),

-> nickname varchar(10),

-> address varchar(50),

-> city varchar(30),

-> postolcode int(6)

-> );

Query OK, 0 rows affected (0.52 sec)

MariaDB [csd220w18]> describe customer;

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

| Field | Type | Null | Key | Default | Extra |

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

| customerID | int(2) | YES | | NULL | |

| name | varchar(40) | YES | | NULL | |

| nickname | varchar(10) | YES | | NULL | |

| address | varchar(50) | YES | | NULL | |

| city | varchar(30) | YES | | NULL | |

| postolcode | int(6) | YES | | NULL | |

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

6 rows in set (0.00 sec)

MariaDB [csd220w18]> insert into customer values(1,'Sonal','Sonu','Scarborough','Toronto',1256);

Query OK, 1 row affected (0.11 sec)

MariaDB [csd220w18]> insert into customer values(2,'Ashley','Ash','Washington street','WDC',321200);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd220w18]> insert into customer values(3,'Bob marley','Bm','Empire state building','New York',120134);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd220w18]> insert into customer values(4,'Cherlies Theron','Chr','Spartan Building','Brazil',341020);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd220w18]> insert into customer values(5,'Donna newman','New','Carlson Blvd','Toronto',130120);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd220w18]> insert into customer values(6,'Eston M','M','21 York Dv.','Toronto',201023);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd220w18]> insert into customer values(7,'Bobby Chacko','Bob','Kennedy','New York',201026);

Query OK, 1 row affected (0.14 sec)

MariaDB [csd220w18]> insert into customer values(8,'Tony Special','Ton','Oakvillie','GTA',201027);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd220w18]> insert into customer values(9,'Ashko Charles','Ak','Washington','USA',421044);

Query OK, 1 row affected (0.27 sec)

MariaDB [csd220w18]> insert into customer values(10,'Jack Sp','Sparrow','Daster Village','New Jersey',102301);

Query OK, 1 row affected (0.09 sec)

MariaDB [csd220w18]> select \* from customer;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer where name like '%n';

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

| customerID | name | nickname | address | city | postolcode |

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

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

2 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer where customerID not between 4 and 7;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

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

6 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer where nickname not IN('bm','ak','sparrow');

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

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

7 rows in set (0.00 sec)

MariaDB [csd220w18]> select customerID name city from customer;

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 'city from customer' at line 1

MariaDB [csd220w18]> select customerID, name, city from customer;

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

| customerID | name | city |

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

| 1 | Sonal | Toronto |

| 2 | Ashley | WDC |

| 3 | Bob marley | New York |

| 4 | Cherlies Theron | Brazil |

| 5 | Donna newman | Toronto |

| 6 | Eston M | Toronto |

| 7 | Bobby Chacko | New York |

| 8 | Tony Special | GTA |

| 9 | Ashko Charles | USA |

| 10 | Jack Sp | New Jersey |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select customerID, name AS "Fullname" from customer;

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

| customerID | Fullname |

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

| 1 | Sonal |

| 2 | Ashley |

| 3 | Bob marley |

| 4 | Cherlies Theron |

| 5 | Donna newman |

| 6 | Eston M |

| 7 | Bobby Chacko |

| 8 | Tony Special |

| 9 | Ashko Charles |

| 10 | Jack Sp |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select count(\*) from customer where name like 'A%';

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

| count(\*) |

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

| 2 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select count(\*) AS Records no. start with A from customer 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 'no. start with A from customer where name like 'A%'' at line 1

MariaDB [csd220w18]> select count(\*) from customer where name like 'A%';

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

| count(\*) |

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

| 2 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select count(\*) from customer where city like 'Toronto%';

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

| count(\*) |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select count(\*) AS "Customer from Toronto" from customer where city like 'Toronto%';

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

| Customer from Toronto |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select DISTINCT(city) from customer;

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

| city |

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

| Toronto |

| WDC |

| New York |

| Brazil |

| GTA |

| USA |

| New Jersey |

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

7 rows in set (0.00 sec)

MariaDB [csd220w18]> select DISTINCT(city) AS "Different Cities" from customer;

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

| Different Cities |

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

| Toronto |

| WDC |

| New York |

| Brazil |

| GTA |

| USA |

| New Jersey |

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

7 rows in set (0.00 sec)

MariaDB [csd220w18]> select count(\*) AS "Customer from Toronto","customer from New york", "customer from WDC", "customer from Brazil", "customer from GTA" from customer where city like ('Toronto%','New york%, 'WDC%', 'Brazil%','GTA%');

'>

'> ;

'> select count(\*) AS "Customer from Toronto","customer from New york", "customer from WDC", "customer from Brazil", "customer from GTA" from customer where city like ('Toronto%','Newyork%','WDC%','Brazil%','GTA%');

'> ;

'>

'>

'>

'> );

'> Bye

726246@128-IMAC19 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 4

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)]> show databases;

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

| Database |

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

| ac\_mast |

| csd220w18 |

| customer |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

8 rows in set (0.00 sec)

MariaDB [(none)]> select DISTINCT(city) AS "Different Cities" from customer;

ERROR 1046 (3D000): No database selected

MariaDB [(none)]> use csd220w18;

Database changed

MariaDB [csd220w18]> select DISTINCT(city) AS "Different Cities" from customer;

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

| Different Cities |

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

| Toronto |

| WDC |

| New York |

| Brazil |

| GTA |

| USA |

| New Jersey |

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

7 rows in set (0.00 sec)

MariaDB [csd220w18]> select distinct(name) from customer 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 [csd220w18]> select distinct(name) from customer where city IS NOT NULL;

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

| name |

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

| Sonal |

| Ashley |

| Bob marley |

| Cherlies Theron |

| Donna newman |

| Eston M |

| Bobby Chacko |

| Tony Special |

| Ashko Charles |

| Jack Sp |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select distinct(name,city) from customer where city IS NOT NULL;

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

MariaDB [csd220w18]> select distinct(name) from customer where distinct(city) IS 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 'distinct(city) IS NOT NULL' at line 1

MariaDB [csd220w18]> select distinct(name) from customer where distinct(city) IS 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 'distinct(city) IS NOT NULL' at line 1

MariaDB [csd220w18]> select distinct name, city from customer;

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

| name | city |

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

| Sonal | Toronto |

| Ashley | WDC |

| Bob marley | New York |

| Cherlies Theron | Brazil |

| Donna newman | Toronto |

| Eston M | Toronto |

| Bobby Chacko | New York |

| Tony Special | GTA |

| Ashko Charles | USA |

| Jack Sp | New Jersey |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by name;

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

| customerID | name | nickname | address | city | postolcode |

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

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by name desc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

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

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by name asc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by postolcode asc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by postolcode desc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

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

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by city asc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

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

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select postolcode from customer order by city asc;

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

| postolcode |

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

| 341020 |

| 201027 |

| 102301 |

| 120134 |

| 201026 |

| 201023 |

| 130120 |

| 1256 |

| 421044 |

| 321200 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by city asc, postolcode asc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by city asc, postolcode desc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

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

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by postolcode, city desc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by city asc, postolcode desc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

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

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by city, postolcode desc

-> Bye

726246@128-IMAC19 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 csd220w18;

Database changed

MariaDB [csd220w18]> select \* from customer order by city, postolcode desc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

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

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by city desc, postolcode asc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer order by customerID desc,name asc,city desc;

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

| customerID | name | nickname | address | city | postolcode |

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

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

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

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> select count(\*) AS "no. of customer",city from customer group by city;

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

| no. of customer | 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 [csd220w18]> select \* from,city from customer group by city where name like 's%';

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 'city from customer group by city where name like 's%'' at line 1

MariaDB [csd220w18]> select \* from customer group by city where name like 's%';

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 name like 's%'' at line 1

MariaDB [csd220w18]> select \* from customer where name like 's%',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 [csd220w18]> select \* from customer where name like 's%' group by city;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer where name like 'b%' group by city;

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

| customerID | name | nickname | address | city | postolcode |

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

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select min(postolcode) from cudtomer;

ERROR 1146 (42S02): Table 'csd220w18.cudtomer' doesn't exist

MariaDB [csd220w18]> select min(postolcode) from customer;

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

| min(postolcode) |

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

| 1256 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select max(postolcode) from customer;

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

| max(postolcode) |

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

| 421044 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select avg(postolcode) from customer;

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

| avg(postolcode) |

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

| 204015.1000 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select sum(postolcode) from customer;

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

| sum(postolcode) |

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

| 2040151 |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> desc customer;

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

| Field | Type | Null | Key | Default | Extra |

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

| customerID | int(2) | YES | | NULL | |

| name | varchar(40) | YES | | NULL | |

| nickname | varchar(10) | YES | | NULL | |

| address | varchar(50) | YES | | NULL | |

| city | varchar(30) | YES | | NULL | |

| postolcode | int(6) | YES | | NULL | |

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

6 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> SELECT COUNT(customerID), city FROM customer GROUP BY city ORDER BY COUNT(customerID) DESC;

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

| COUNT(customerID) | city |

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

| 3 | Toronto |

| 2 | New York |

| 1 | GTA |

| 1 | USA |

| 1 | WDC |

| 1 | New Jersey |

| 1 | Brazil |

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

7 rows in set (0.00 sec)

MariaDB [csd220w18]> SELECT COUNT(customerID) AS "No. of customer", city FROM customer GROUP BY city ORDER BY COUNT(customerID) DESC;

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

| No. of customer | city |

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

| 3 | Toronto |

| 2 | New York |

| 1 | GTA |

| 1 | USA |

| 1 | WDC |

| 1 | New Jersey |

| 1 | Brazil |

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

7 rows in set (0.00 sec)

MariaDB [csd220w18]> SELECT COUNT(customerID) AS "No. of customer", city FROM customer GROUP BY city ORDER BY city ASC;

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

| No. of customer | 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 [csd220w18]> SELECT COUNT(customerID) AS "No. of customer" min(postolcode), city FROM customer GROUP BY city ORDER BY city 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 'min(postolcode), city FROM customer GROUP BY city ORDER BY city ASC' at line 1

MariaDB [csd220w18]> SELECT COUNT(customerID) AS "No. of customer", min(postolcode) city FROM customer GROUP BY city ORDER BY city ASC;

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

| No. of customer | city |

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

| 3 | 1256 |

| 1 | 102301 |

| 2 | 120134 |

| 1 | 201027 |

| 1 | 321200 |

| 1 | 341020 |

| 1 | 421044 |

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

7 rows in set, 1 warning (0.00 sec)

MariaDB [csd220w18]> SELECT COUNT(customerID) AS "No. of customer", min(postolcode),city FROM customer GROUP BY city ORDER BY city ASC;

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

| No. of customer | min(postolcode) | city |

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

| 1 | 341020 | Brazil |

| 1 | 201027 | GTA |

| 1 | 102301 | New Jersey |

| 2 | 120134 | New York |

| 3 | 1256 | Toronto |

| 1 | 421044 | USA |

| 1 | 321200 | WDC |

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

7 rows in set (0.00 sec)

MariaDB [csd220w18]> SELECT COUNT(customerID) AS "No. of customer",city FROM customer GROUP BY city ORDER BY city ASC;

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

| No. of customer | 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 [csd220w18]> SELECT COUNT(customerID) AS "No. of customer",city FROM customer GROUP BY city ORDER BY city ASC;

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

| No. of customer | 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 [csd220w18]> SELECT\*from customer where name like 'B%' ORDER BY customerID ASC;

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

| customerID | name | nickname | address | city | postolcode |

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

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

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

2 rows in set (0.00 sec)

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

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MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]>

MariaDB [csd220w18]> SELECT city, count(city)\*100/10 as "customers Ratio " from customer group by city;

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

| city | customers Ratio |

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

| 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 [csd220w18]> SELECT\*from customer LIMIT 5;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

5 rows in set (0.00 sec)

MariaDB [csd220w18]> SELECT\*from customer LIMIT 3;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

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

3 rows in set (0.00 sec)

MariaDB [csd220w18]> SELECT\*from customer 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 [csd220w18]> SELECT\*from customer LIMIT 7 to 10;

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 10' at line 1

MariaDB [csd220w18]>

MariaDB [csd220w18]> SELECT\*from customer ORDER BY customerID desc LIMIT 3;

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

| customerID | name | nickname | address | city | postolcode |

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

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

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

3 rows in set (0.00 sec)

MariaDB [csd220w18]> SELECT\*from customer ORDER BY customerID LIMIT 3;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

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

3 rows in set (0.00 sec)

MariaDB [csd220w18]> SELECT\*from customer ORDER BY customerID desc LIMIT 3;

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

| customerID | name | nickname | address | city | postolcode |

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

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

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

3 rows in set (0.00 sec)

MariaDB [csd220w18]> select\*from(SELECT\*from customer ORDER BY customerID desc LIMIT 3)order by customerID;

ERROR 1248 (42000): Every derived table must have its own alias

MariaDB [csd220w18]> select\*from(SELECT\*from customer ORDER BY customerID desc LIMIT 3)order by customerID ASC;

ERROR 1248 (42000): Every derived table must have its own alias

MariaDB [csd220w18]> (SELECT\*from customer ORDER BY customerID desc LIMIT 3)order by customerID ASC;

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

| customerID | name | nickname | address | city | postolcode |

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

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

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

3 rows in set (0.00 sec)

MariaDB [csd220w18]> select\*from(SELECT\*from customer ORDER BY customerID desc LIMIT 3)order by customerID ASC;

ERROR 1248 (42000): Every derived table must have its own alias

MariaDB [csd220w18]> ERROR 1248 (42000):

->

-> ;

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 'ERROR 1248 (42000):' at line 1

MariaDB [csd220w18]> select\*from(SELECT\*from customer ORDER BY customerID desc LIMIT 3) c1 order by customerID ASC;

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

| customerID | name | nickname | address | city | postolcode |

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

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

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

3 rows in set (0.00 sec)

MariaDB [csd220w18]> insert into customer(customersID,name)VALUES(1,'Ankur');

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

MariaDB [csd220w18]> insert into customer(customerID,name)VALUES(1,'Ankur');

Query OK, 1 row affected (0.04 sec)

MariaDB [csd220w18]> SELECT\*from customer;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 1 | Ankur | NULL | NULL | NULL | NULL |

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

11 rows in set (0.00 sec)

MariaDB [csd220w18]> alter table

-> ;

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 [csd220w18]> select \* from customer where nickname is NULL;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Ankur | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> alter table customer

-> ;

Query OK, 0 rows affected (0.00 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd220w18]> SELECT\*from customer;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

| 1 | Ankur | NULL | NULL | NULL | NULL |

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

11 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer where nickname is NOT NULL;

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

| customerID | name | nickname | address | city | postolcode |

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

| 1 | Sonal | Sonu | Scarborough | Toronto | 1256 |

| 2 | Ashley | Ash | Washington street | WDC | 321200 |

| 3 | Bob marley | Bm | Empire state building | New York | 120134 |

| 4 | Cherlies Theron | Chr | Spartan Building | Brazil | 341020 |

| 5 | Donna newman | New | Carlson Blvd | Toronto | 130120 |

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

| 7 | Bobby Chacko | Bob | Kennedy | New York | 201026 |

| 8 | Tony Special | Ton | Oakvillie | GTA | 201027 |

| 9 | Ashko Charles | Ak | Washington | USA | 421044 |

| 10 | Jack Sp | Sparrow | Daster Village | New Jersey | 102301 |

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

10 rows in set (0.00 sec)

MariaDB [csd220w18]> alter table customer

-> drop row

-> ;

ERROR 1091 (42000): Can't DROP 'row'; check that column/key exists

MariaDB [csd220w18]>