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)]>

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

5 rows in set (0.03 sec)

MariaDB [(none)]> show databases

-> ;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

5 rows in set (0.00 sec)

MariaDB [(none)]> create database csd220w18;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> show databases;

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

| Database |

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

| csd220w18 |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

6 rows in set (0.00 sec)

MariaDB [(none)]> use csd220w18;

Database changed

MariaDB [csd220w18]> show tables;

Empty set (0.00 sec)

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 (0.29 sec)

MariaDB [csd220w18]> show tables;

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

| Tables\_in\_csd220w18 |

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

| customer |

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

1 row in set (0.00 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]> show create table customer;

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

| Table | Create Table |

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

| customer | CREATE TABLE `customer` (

`customerID` int(2) DEFAULT NULL,

`name` varchar(40) DEFAULT NULL,

`nickname` varchar(10) DEFAULT NULL,

`address` varchar(50) DEFAULT NULL,

`city` varchar(30) DEFAULT NULL,

`postolcode` int(6) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1 |

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

1 row in set (0.00 sec)

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

Query OK, 1 row affected (0.31 sec)

MariaDB [csd220w18]> show tables;

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

| Tables\_in\_csd220w18 |

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

| customer |

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

1 row in set (0.00 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 (0.08 sec)

MariaDB [csd220w18]> show create table customer;

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

| Table | Create Table |

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

| customer | CREATE TABLE `customer` (

`customerID` int(2) DEFAULT NULL,

`name` varchar(40) DEFAULT NULL,

`nickname` varchar(10) DEFAULT NULL,

`address` varchar(50) DEFAULT NULL,

`city` varchar(30) DEFAULT NULL,

`postolcode` int(6) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=latin1 |

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

1 row in set (0.00 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 (0.05 sec)

MariaDB [csd220w18]> select \* from customer;

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

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

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

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

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

1 row in set (0.00 sec)

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

Query OK, 1 row affected (0.13 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 |

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

2 rows in set (0.00 sec)

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

Query OK, 1 row affected (0.42 sec)

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

Query OK, 1 row affected (0.27 sec)

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

Query OK, 1 row affected (0.09 sec)

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.03 sec)

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

Query OK, 1 row affected (0.05 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 city = 'Toronto';

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

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

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

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

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

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

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

3 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE name = 'Ashley';

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

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

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

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

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE city = 'Toronto' OR city = 'New York';

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

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

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

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

| 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 |

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

5 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE city = 'Toronto' AND nickname = 'Bm';

Empty set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE city = 'New York' AND nickname = 'Bm';

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

| 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 \* from customer WHERE customerID = 4 AND customerID = 6;

Empty set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE customerID = 4 OR customerID = 6;

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

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

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

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

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

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

2 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE customerID between 2 and 7;

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

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

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

| 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 |

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

6 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE customerID between 7 and 2;

Empty set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE nickname between Bm and New;

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

MariaDB [csd220w18]> select \* from customer WHERE nickname between 'Bm' and 'New';

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

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

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

| 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 |

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

5 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE nickname between 'Bm' and 'Bob';

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

| 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]> select \* from customer WHERE nickname between 'Ash' and 'New';

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

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

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

| 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 |

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

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 \* from customer WHERE nickname between 'Ash' and 'Chr';

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

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

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

| 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 |

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

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

4 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE name LIKE 'D%';

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

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

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

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

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

1 row in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE name LIKE '-o%'

-> ;

Empty set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE name LIKE '-o%' ;

Empty set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE name LIKE '-o%';

Empty set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE name LIKE '-h%';

Empty 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 \* from customer where customerID IN(2,4,7,9);

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

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

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

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

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

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

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

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

4 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE city LIKE '-o%';

Empty set (0.00 sec)

MariaDB [csd220w18]> select \* from customer WHERE city LIKE '\_o%';

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

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

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

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

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

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

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

3 rows in set (0.00 sec)

MariaDB [csd220w18]> select \* from customer where nickname IN('sonu','Bob','Ak','Sparrow');

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

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

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

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

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

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

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

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

4 rows in set (0.00 sec)

MariaDB [csd220w18]>