Setting environment for using XAMPP for Windows.

726134@128-IMAC36 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 2

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> use csd2204w18

ERROR 1049 (42000): Unknown database 'csd2204w18'

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

5 rows in set (0.03 sec)

MariaDB [(none)]> create database csd2204w18;\par

Query OK, 1 row affected (0.00 sec)

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-> Query OK, 1 row affected (0.00 sec)\par

--------------

ar

Query OK, 1 row affected (0.00 sec)

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-> \par

--------------

ar

Query OK, 1 row affected (0.00 sec)ar

--------------

MariaDB [(none)]> show databases;

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

| Database |

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

| csd2204w18 |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

6 rows in set (0.00 sec)

MariaDB [(none)]> select \* from csd2204w18

-> ;

ERROR 1046 (3D000): No database selected

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> select \* from customers;

ERROR 1146 (42S02): Table 'csd2204w18.customers' doesn't exist

MariaDB [csd2204w18]> MariaDB [csd2204w18]> create table customers(

->

-> -> customerID int(2),

->

-> -> name varchar(40),

->

-> -> nickname varchar(10),

->

-> -> address varchar(50),

->

-> -> city varchar(30),

->

-> -> postalcode 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 'MariaDB [csd2204w18]> create table customers(

-> customerID int(2),

->' at line 1

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> create table customers(

-> customerID int(2),

-> name varchar(40),

-> nickname varchar(10),

-> address varchar(50),

-> city varchar(30),

-> postalcode 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 ')' at line 8

MariaDB [csd2204w18]> create table customers(

-> customerID int(2),

-> name varchar(40),

-> nickname varchar(10),

-> address varchar(50),

-> city varchar(30),

-> postalcode int(6)

-> );

Query OK, 0 rows affected (1.88 sec)

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

Query OK, 1 row affected (0.36 sec)

MariaDB [csd2204w18]> insert into customers values(2,'Bob marley','Bm','Keele street','toronto',100100);

Query OK, 1 row affected (0.31 sec)

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

Query OK, 1 row affected (0.59 sec)

MariaDB [csd2204w18]> insert into customers values(4,'deniel jack','Dj','spartan Building, east','brazil',341020);

Query OK, 1 row affected (0.17 sec)

MariaDB [csd2204w18]> insert into customers values(5,'donna newman','new','250 carlson blvd','toronto',130120);

Query OK, 1 row affected (0.14 sec)

MariaDB [csd2204w18]> insert into customers values(6,'eston m.','m.','21 york. dv.','toronto',201023);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> insert into customers values(7,'bobby chacko','chac','kennedy','new york',320300);

Query OK, 1 row affected (0.25 sec)

MariaDB [csd2204w18]> insert into customers values(8,'ashko charles','ak','washington dc','usa',421044);

Query OK, 1 row affected (0.17 sec)

MariaDB [csd2204w18]> insert into customers values(9,'tony special','specie','oakville','gta',418921);

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> insert into customers values(10,'jack sp','sparrow','oakville','gta',418921);

Query OK, 1 row affected (0.23 sec)

MariaDB [csd2204w18]> select \* from customers;

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where nickname between 'b' and 'n;

'> Bye

726134@128-IMAC36 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)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> select \* from customers where nickname between 'b' and 'n';

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

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

5 rows in set (0.00 sec)

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

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

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

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

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

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

2 rows in set (0.00 sec)

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

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

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

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

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

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

2 rows in set (0.00 sec)

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

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

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

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

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where customerID between !=4 and !=7;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '!=4 and !=7' at line 1

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

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

6 rows in set (0.02 sec)

MariaDB [csd2204w18]> select \* from customers where nickname not in ('bm','ak','sparrow');

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

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

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

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

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 9 | tony special | specie | oakville | gta | 418921 |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select customerID,name,nickname from customers where nickname not in ('bm','ak','sparrow');

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

| customerID | name | nickname |

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

| 1 | Ashley | Ash |

| 3 | Cherlies Theron | Cher |

| 4 | deniel 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 [csd2204w18]> select customerID,name,city from customers where nickname not in ('bm','ak','sparrow');

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

| customerID | name | city |

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

| 1 | Ashley | WDC |

| 3 | Cherlies Theron | north york |

| 4 | deniel 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 [csd2204w18]> select name,city from customers where nickname not in ('bm','ak','sparrow');

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

| name | city |

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

| Ashley | WDC |

| Cherlies Theron | north york |

| deniel jack | brazil |

| donna newman | toronto |

| eston m. | toronto |

| bobby chacko | new york |

| tony special | gta |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select customerID,name as 'fullname' from customers where nickname not in ('bm','ak','sparrow');

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

| customerID | fullname |

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

| 1 | Ashley |

| 3 | Cherlies Theron |

| 4 | deniel jack |

| 5 | donna newman |

| 6 | eston m. |

| 7 | bobby chacko |

| 9 | tony special |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers;

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

10 rows in set (0.00 sec)

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

Empty set (0.00 sec)

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

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

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

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

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

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select count from customers where name like 'a%';

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

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

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

| count(\*) |

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

| 2 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*) as "nameStart Wid A" from customers where name like 'a%';

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

| nameStart Wid A |

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

| 2 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*) as "TORONTO CITIZEN" from customers where CITY='TORONTO';

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

| TORONTO CITIZEN |

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

| 3 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*) as "NO.TORONTO CITIZEN" from customers where CITY='TORONTO';

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

| NO.TORONTO CITIZEN |

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

| 3 |

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

1 row in set (0.00 sec)

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

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

| city |

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

| WDC |

| toronto |

| north york |

| brazil |

| new york |

| usa |

| gta |

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

7 rows in set (0.00 sec)

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

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

| count( distinct(city)) |

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

| 7 |

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

1 row in set (0.00 sec)

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

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

| city | count(name) |

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

| WDC | 10 |

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

1 row in set (0.00 sec)

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

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

| city | name |

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

| WDC | Ashley |

| toronto | Bob marley |

| north york | Cherlies Theron |

| brazil | deniel jack |

| toronto | donna newman |

| toronto | eston m. |

| new york | bobby chacko |

| usa | ashko charles |

| gta | tony special |

| gta | jack sp |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select city,count(name) from customers where city=distict(city) ;

ERROR 1305 (42000): FUNCTION csd2204w18.distict does not exist

MariaDB [csd2204w18]> select city,count(name) from customers where city=distinct(city) ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'distinct(city)' at line 1

MariaDB [csd2204w18]> select city,count(name) from customers where city='distinct(city)' ;

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

| city | count(name) |

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

| NULL | 0 |

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

1 row in set (0.00 sec)

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

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

| city | count(name) |

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

| WDC | 10 |

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

1 row in set (0.00 sec)

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

ERROR 1305 (42000): FUNCTION csd2204w18.distict does not exist

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

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

| city |

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

| WDC |

| toronto |

| north york |

| brazil |

| new york |

| usa |

| gta |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select distinct(city)as c1 from customers where ( select count(name) from customers where city=c1) ;

ERROR 1054 (42S22): Unknown column 'c1' in 'where clause'

MariaDB [csd2204w18]> select distinct(city)as c1 from customers where ( select count(name) from customers where city=c1) ;

ERROR 1054 (42S22): Unknown column 'c1' in 'where clause'

MariaDB [csd2204w18]> select sort(name) from customers ;

ERROR 1305 (42000): FUNCTION csd2204w18.sort does not exist

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

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

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

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

| 8 | ashko charles | ak | washington dc | 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 | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north 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 dc | usa | 421044 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 8 | ashko charles | ak | washington dc | 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 | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 8 | ashko charles | ak | washington dc | 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 | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north 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 dc | usa | 421044 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 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 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

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

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

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

10 rows in set (0.00 sec)

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

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

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

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

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

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

10 rows in set (0.00 sec)

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

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'order by postalcode' at line 1

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

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

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

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

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

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

10 rows in set (0.00 sec)

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 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 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

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

10 rows in set (0.00 sec)

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

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

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

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

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

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

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

10 rows in set (0.00 sec)

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

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

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

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

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*),city from customers group by city;

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

| count(\*) | city |

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

| 1 | brazil |

| 2 | gta |

| 1 | new york |

| 1 | north york |

| 3 | toronto |

| 1 | usa |

| 1 | WDC |

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

7 rows in set (0.00 sec)

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

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

| no. of citizen | city |

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

| 1 | brazil |

| 2 | gta |

| 1 | new york |

| 1 | north york |

| 3 | toronto |

| 1 | usa |

| 1 | WDC |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> Bye

726134@128-IMAC36 c:\xampp

#

726134@128-IMAC36 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 csd2204w18;

Database changed

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

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

| name | city |

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

| deniel jack | brazil |

| donna newman | toronto |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where name like 'd%' group by city;

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

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

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

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

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

2 rows in set (0.00 sec)

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

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

| min(postalcode) |

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

| 100100 |

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

1 row in set (0.00 sec)

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

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

| max(postalcode) |

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

| 421044 |

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

1 row in set (0.00 sec)

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

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

| avg(postalcode) |

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

| 279278.3000 |

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

1 row in set (0.00 sec)

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

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

| sum(postalcode) |

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

| 2792783 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers;

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

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

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where name between 1 and 6 order by address;

Empty set, 10 warnings (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where name between 1 and 10 order by address;

Empty set, 10 warnings (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where customerID between 1 and 6 order by address;

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

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

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

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

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

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

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

6 rows in set (0.00 sec)

| count(\*) | city |

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

| 3 | toronto |

| 2 | gta |

| 1 | north york |

| 1 | brazil |

| 1 | new york |

| 1 | WDC |

| 1 | usa |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*),city from customers group by city having count(name)>1;

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

| count(\*) | city |

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

| 2 | gta |

| 3 | toronto |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*),city from customers group by city having count(name)>1 order by count(name) desc;

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

| count(\*) | city |

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

| 3 | toronto |

| 2 | gta |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select sum(count(\*))from customers having count(name)>1 ;

ERROR 1111 (HY000): Invalid use of group function

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

MariaDB [csd2204w18]> select city from customers group by city having count(name)>1 order by count(name) desc;

+---------+

| city |

+---------+

| toronto |

| gta |

+---------+

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select max(count(name)) city from customers group by city ;

ERROR 1111 (HY000): Invalid use of group function

MariaDB [csd2204w18]> select max(count(name)) from customers group by city ;

ERROR 1111 (HY000): Invalid use of group function

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

ERROR 1111 (HY000): Invalid use of group function

MariaDB [csd2204w18]> select max('count(name)') from customers ;

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

| max('count(name)') |

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

| count(name) |

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

1 row in set (0.00 sec)

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

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

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

5 rows in set (0.00 sec)

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

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '-3' at line 1

MariaDB [csd2204w18]> select \* from customers customerID between 7 and 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 'between 7 and 10' at line 1

MariaDB [csd2204w18]> select \* from customers where customerID between 7 and 10 ;

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

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

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

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

4 rows in set (0.00 sec)

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

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

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

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

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where customerID between 8 and 10 ;

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

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

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

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

3 rows in set (0.00 sec)

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

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

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

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

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

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

3 rows in set (0.00 sec)

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

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

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

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

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

3 rows in set (0.00 sec)

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

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

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

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

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

3 rows in set (0.00 sec)

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

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

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

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> select \* from customers;

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

| 11 | rushang | NULL | NULL | NULL | NULL |

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

11 rows in set (0.00 sec)

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

Empty set (0.00 sec)

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

Empty set (0.00 sec)

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

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

10 rows in set (0.00 sec)

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

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

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

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

| 11 | rushang | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from customers where nickname is not null;

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

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

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

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

| 2 | Bob marley | Bm | Keele street | toronto | 100100 |

| 3 | Cherlies Theron | Cher | 329 Empire state Building | north york | 120134 |

| 4 | deniel jack | Dj | spartan Building, east | brazil | 341020 |

| 5 | donna newman | new | 250 carlson blvd | toronto | 130120 |

| 6 | eston m. | m. | 21 york. dv. | toronto | 201023 |

| 7 | bobby chacko | chac | kennedy | new york | 320300 |

| 8 | ashko charles | ak | washington dc | usa | 421044 |

| 9 | tony special | specie | oakville | gta | 418921 |

| 10 | jack sp | sparrow | oakville | gta | 418921 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]>