Setting environment for using XAMPP for Windows.

713483@203-IMAC24 c:\xampp

# select \*from manu;

'select' is not recognized as an internal or external command,

operable program or batch file.

713483@203-IMAC24 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)]> select \*from manu;

ERROR 1046 (3D000): No database selected

MariaDB [(none)]> use mytestdb;

Database changed

MariaDB [mytestdb]> select \*from manu;

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

| CODE | NAME |

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

| 1 | Sony |

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

| 4 | Iomega |

| 5 | Fujitsu |

| 6 | Winchester |

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

6 rows in set (0.08 sec)

MariaDB [mytestdb]> select \*from products;

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

| Code | Name | Price | Manu |

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

| 1 | Hard drive | 240 | 5 |

| 2 | Memory | 120 | 6 |

| 3 | ZIP drive | 150 | 4 |

| 4 | Floppy disk | 5 | 6 |

| 5 | Monitor | 240 | 1 |

| 6 | DVD drive | 180 | 2 |

| 7 | CD drive | 90 | 2 |

| 8 | Printer | 270 | 3 |

| 9 | Toner cartridge | 66 | 3 |

| 10 | DVD burner | 180 | 2 |

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

10 rows in set (0.01 sec)

MariaDB [mytestdb]> insert into manu(code) values(2);

ERROR 1062 (23000): Duplicate entry '2' for key 'PRIMARY'

MariaDB [mytestdb]> insert manu(code) values(2);

ERROR 1062 (23000): Duplicate entry '2' for key 'PRIMARY'

MariaDB [mytestdb]> insert products(code) values(2);

ERROR 1062 (23000): Duplicate entry '2' for key 'PRIMARY'

MariaDB [mytestdb]> select \*from products;

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

| Code | Name | Price | Manu |

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

| 1 | Hard drive | 240 | 5 |

| 2 | Memory | 120 | 6 |

| 3 | ZIP drive | 150 | 4 |

| 4 | Floppy disk | 5 | 6 |

| 5 | Monitor | 240 | 1 |

| 6 | DVD drive | 180 | 2 |

| 7 | CD drive | 90 | 2 |

| 8 | Printer | 270 | 3 |

| 9 | Toner cartridge | 66 | 3 |

| 10 | DVD burner | 180 | 2 |

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

10 rows in set (0.00 sec)

MariaDB [mytestdb]> clear

MariaDB [mytestdb]> SELECT NAME FROM PRODUCTS;

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

| NAME |

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

| Hard drive |

| Memory |

| ZIP drive |

| Floppy disk |

| Monitor |

| DVD drive |

| CD drive |

| Printer |

| Toner cartridge |

| DVD burner |

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

10 rows in set (0.00 sec)

MariaDB [mytestdb]> SELECT NAME FROM PRODUCTS WHERE NAME='MEMORY';

+--------+

| NAME |

+--------+

| Memory |

+--------+

1 row in set (0.00 sec)

MariaDB [mytestdb]> SELECT PRICE FROM PRODUCTS WHERE PRICE<=200;

+-------+

| PRICE |

+-------+

| 120 |

| 150 |

| 5 |

| 180 |

| 90 |

| 66 |

| 180 |

+-------+

7 rows in set (0.00 sec)

MariaDB [mytestdb]> SELECT PRICE FROM PRODUCTS WHERE PRICE BETWEEN 60 AND 200;

+-------+

| PRICE |

+-------+

| 120 |

| 150 |

| 180 |

| 90 |

| 66 |

| 180 |

+-------+

6 rows in set (0.00 sec)

MariaDB [mytestdb]> select name , price\*100 as price from Products;

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

| name | price |

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

| Hard drive | 24000 |

| Memory | 12000 |

| ZIP drive | 15000 |

| Floppy disk | 500 |

| Monitor | 24000 |

| DVD drive | 18000 |

| CD drive | 9000 |

| Printer | 27000 |

| Toner cartridge | 6600 |

| DVD burner | 18000 |

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

10 rows in set (0.00 sec)

MariaDB [mytestdb]> select name , CONCAT('$''CENTS'),CONCAT(PRICE\*100,'CENTS') from Products;

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

| name | CONCAT('$''CENTS') | CONCAT(PRICE\*100,'CENTS') |

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

| Hard drive | $'CENTS | 24000CENTS |

| Memory | $'CENTS | 12000CENTS |

| ZIP drive | $'CENTS | 15000CENTS |

| Floppy disk | $'CENTS | 500CENTS |

| Monitor | $'CENTS | 24000CENTS |

| DVD drive | $'CENTS | 18000CENTS |

| CD drive | $'CENTS | 9000CENTS |

| Printer | $'CENTS | 27000CENTS |

| Toner cartridge | $'CENTS | 6600CENTS |

| DVD burner | $'CENTS | 18000CENTS |

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

10 rows in set (0.00 sec)

MariaDB [mytestdb]> select name , CONCAT('$''CENTS'),CONCAT(PRICE\*100,'CENTS') from Products;

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

| name | CONCAT('$''CENTS') | CONCAT(PRICE\*100,'CENTS') |

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

| Hard drive | $'CENTS | 24000CENTS |

| Memory | $'CENTS | 12000CENTS |

| ZIP drive | $'CENTS | 15000CENTS |

| Floppy disk | $'CENTS | 500CENTS |

| Monitor | $'CENTS | 24000CENTS |

| DVD drive | $'CENTS | 18000CENTS |

| CD drive | $'CENTS | 9000CENTS |

| Printer | $'CENTS | 27000CENTS |

| Toner cartridge | $'CENTS | 6600CENTS |

| DVD burner | $'CENTS | 18000CENTS |

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

10 rows in set (0.00 sec)

MariaDB [mytestdb]> select SUM(PRICE)/COUNT(PRICE) FROM PRODUCTS;

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

| SUM(PRICE)/COUNT(PRICE) |

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

| 154.1000 |

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

1 row in set (0.03 sec)

MariaDB [mytestdb]> select MAX(PRICE) FROM PRODUCTS;

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

| MAX(PRICE) |

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

| 270 |

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

1 row in set (0.05 sec)

MariaDB [mytestdb]> select MIN(PRICE) FROM PRODUCTS;

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

| MIN(PRICE) |

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

| 5 |

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

1 row in set (0.00 sec)

MariaDB [mytestdb]> select CODE=2 FROM PRODUCTS;

+--------+

| CODE=2 |

+--------+

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 0 |

| 1 |

| 0 |

+--------+

10 rows in set (0.03 sec)

MariaDB [mytestdb]> select CODE WHERE CODE=2 FROM PRODUCTS;

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 CODE=2 FROM PRODUCTS' at line 1

MariaDB [mytestdb]> SELECT AVG(PRICE) FROM PRODUCTS WHERE MANU=2;

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

| AVG(PRICE) |

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

| 150.0000 |

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

1 row in set (0.06 sec)

MariaDB [mytestdb]> SELECT COUNT(PRICE) FORM PRODUCTS WHERE PRICE>=150;

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 'PRODUCTS WHERE PRICE>=150' at line 1

MariaDB [mytestdb]> SELECT COUNT(PRICE) FROM PRODUCTS WHERE PRICE>=150;

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

| COUNT(PRICE) |

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

| 6 |

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

1 row in set (0.00 sec)

MariaDB [mytestdb]> SELECT ORDER BY NAME FORM PRODUCTS;

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 NAME FORM PRODUCTS' at line 1

MariaDB [mytestdb]> SELECT ORDER BY NAME FROM PRODUCTS;

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 NAME FROM PRODUCTS' at line 1

MariaDB [mytestdb]> SELECT ORDER BY NAME,MANU DESC FROM PRODUCTS;

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 NAME,MANU DESC FROM PRODUCTS' at line 1

MariaDB [mytestdb]> SELECT ORDER BY NAME,MANU DESC;

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

MariaDB [mytestdb]> SELECT \*FROM PRODUCTS ORDER BY NAME,MANU DESC;

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

| Code | Name | Price | Manu |

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

| 7 | CD drive | 90 | 2 |

| 10 | DVD burner | 180 | 2 |

| 6 | DVD drive | 180 | 2 |

| 4 | Floppy disk | 5 | 6 |

| 1 | Hard drive | 240 | 5 |

| 2 | Memory | 120 | 6 |

| 5 | Monitor | 240 | 1 |

| 8 | Printer | 270 | 3 |

| 9 | Toner cartridge | 66 | 3 |

| 3 | ZIP drive | 150 | 4 |

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

10 rows in set (0.05 sec)

MariaDB [mytestdb]> SELECT \*FROM PRODUCTS ORDER BY NAME;

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

| Code | Name | Price | Manu |

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

| 7 | CD drive | 90 | 2 |

| 10 | DVD burner | 180 | 2 |

| 6 | DVD drive | 180 | 2 |

| 4 | Floppy disk | 5 | 6 |

| 1 | Hard drive | 240 | 5 |

| 2 | Memory | 120 | 6 |

| 5 | Monitor | 240 | 1 |

| 8 | Printer | 270 | 3 |

| 9 | Toner cartridge | 66 | 3 |

| 3 | ZIP drive | 150 | 4 |

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

10 rows in set (0.00 sec)

MariaDB [mytestdb]> SELECT \*FROM PRODUCTS MANU DESC,ORDER BY NAME;

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

MariaDB [mytestdb]> SELECT NAME FROM PRODUCTS WHERE NAME LIKE '%DRIVE%';

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

| NAME |

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

| Hard drive |

| ZIP drive |

| DVD drive |

| CD drive |

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

4 rows in set (0.00 sec)

MariaDB [mytestdb]> UPDATE PRODUCTS SET PRICE=500 WHERE CODE 1;

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 '1' at line 1

MariaDB [mytestdb]> UPDATE PRODUCTS SET PRICE='500' WHERE CODE 1;

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 '1' at line 1

MariaDB [mytestdb]> UPDATE PRODUCTS SET PRICE='500' WHERE CODE=1;

Query OK, 1 row affected (0.13 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [mytestdb]> SELECT \*FROM PRODUCTS;

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

| Code | Name | Price | Manu |

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

| 1 | Hard drive | 500 | 5 |

| 2 | Memory | 120 | 6 |

| 3 | ZIP drive | 150 | 4 |

| 4 | Floppy disk | 5 | 6 |

| 5 | Monitor | 240 | 1 |

| 6 | DVD drive | 180 | 2 |

| 7 | CD drive | 90 | 2 |

| 8 | Printer | 270 | 3 |

| 9 | Toner cartridge | 66 | 3 |

| 10 | DVD burner | 180 | 2 |

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

10 rows in set (0.00 sec)

MariaDB [mytestdb]> UPDATE PRODUCTS SET MANU=7 WHERE CODE=1;

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`mytestdb`.`products`, CONSTRAINT `products\_ibfk\_1` FOREIGN KEY (`Manu`) REFERENCES `manu` (`CODE`))

MariaDB [mytestdb]> SELECT

-> \*FROM MANU;

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

| CODE | NAME |

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

| 1 | Sony |

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

| 4 | Iomega |

| 5 | Fujitsu |

| 6 | Winchester |

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

6 rows in set (0.00 sec)

MariaDB [mytestdb]> UPDATE PRODUCTS SET MANU=11 WHERE CODE=1;

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`mytestdb`.`products`, CONSTRAINT `products\_ibfk\_1` FOREIGN KEY (`Manu`) REFERENCES `manu` (`CODE`))

MariaDB [mytestdb]> INSERT INTO PRODUCTS VALUES(11,'USB DRIVE',230,7);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`mytestdb`.`products`, CONSTRAINT `products\_ibfk\_1` FOREIGN KEY (`Manu`) REFERENCES `manu` (`CODE`))

MariaDB [mytestdb]> SELECT \*FROM PRODUCTS;

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

| Code | Name | Price | Manu |

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

| 1 | Hard drive | 500 | 5 |

| 2 | Memory | 120 | 6 |

| 3 | ZIP drive | 150 | 4 |

| 4 | Floppy disk | 5 | 6 |

| 5 | Monitor | 240 | 1 |

| 6 | DVD drive | 180 | 2 |

| 7 | CD drive | 90 | 2 |

| 8 | Printer | 270 | 3 |

| 9 | Toner cartridge | 66 | 3 |

| 10 | DVD burner | 180 | 2 |

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

10 rows in set (0.00 sec)

MariaDB [mytestdb]> SHOW CREATE TABLE MANU\G;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1. row \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Table: MANU

Create Table: CREATE TABLE `manu` (

`CODE` int(3) NOT NULL,

`NAME` varchar(50) NOT NULL,

PRIMARY KEY (`CODE`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1

1 row in set (0.00 sec)

ERROR: No query specified

MariaDB [mytestdb]> SHOW CREATE TABLE PRODUCTS\G;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 1. row \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Table: PRODUCTS

Create Table: CREATE TABLE `products` (

`Code` int(11) NOT NULL,

`Name` varchar(255) NOT NULL,

`Price` decimal(10,0) NOT NULL,

`Manu` int(11) NOT NULL,

PRIMARY KEY (`Code`),

KEY `Manu` (`Manu`),

CONSTRAINT `products\_ibfk\_1` FOREIGN KEY (`Manu`) REFERENCES `manu` (`CODE`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1

1 row in set (0.00 sec)

ERROR: No query specified

MariaDB [mytestdb]> DELETE FROM MANU WHERE CODE=1;

ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails (`mytestdb`.`products`, CONSTRAINT `products\_ibfk\_1` FOREIGN KEY (`Manu`) REFERENCES `manu` (`CODE`))

MariaDB [mytestdb]> DELETE FROM MANU WHERE CODE=10;

Query OK, 0 rows affected (0.00 sec)

MariaDB [mytestdb]> Bye

713483@203-IMAC24 c:\xampp

# select \*from manu;

'select' is not recognized as an internal or external command,

operable program or batch file.

713483@203-IMAC24 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 3

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> USE MYTESTDB

Database changed

MariaDB [MYTESTDB]> SELECT \*FROM PRODUCTS;

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

| Code | Name | Price | Manu |

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

| 1 | Hard drive | 500 | 5 |

| 2 | Memory | 120 | 6 |

| 3 | ZIP drive | 150 | 4 |

| 4 | Floppy disk | 5 | 6 |

| 5 | Monitor | 240 | 1 |

| 6 | DVD drive | 180 | 2 |

| 7 | CD drive | 90 | 2 |

| 8 | Printer | 270 | 3 |

| 9 | Toner cartridge | 66 | 3 |

| 10 | DVD burner | 180 | 2 |

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

10 rows in set (0.00 sec)

MariaDB [MYTESTDB]> INSERT INTO MANU VALUES(7,'MOXDROID LABS');

Query OK, 1 row affected (0.05 sec)

MariaDB [MYTESTDB]> SELECT \*FROM MANU;

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

| CODE | NAME |

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

| 1 | Sony |

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

| 4 | Iomega |

| 5 | Fujitsu |

| 6 | Winchester |

| 7 | MOXDROID LABS |

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

7 rows in set (0.00 sec)

MariaDB [MYTESTDB]> SELECT \*FROM PRODUCTS;

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

| Code | Name | Price | Manu |

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

| 1 | Hard drive | 500 | 5 |

| 2 | Memory | 120 | 6 |

| 3 | ZIP drive | 150 | 4 |

| 4 | Floppy disk | 5 | 6 |

| 5 | Monitor | 240 | 1 |

| 6 | DVD drive | 180 | 2 |

| 7 | CD drive | 90 | 2 |

| 8 | Printer | 270 | 3 |

| 9 | Toner cartridge | 66 | 3 |

| 10 | DVD burner | 180 | 2 |

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

10 rows in set (0.00 sec)

MariaDB [MYTESTDB]> DELETE FROM MANU WHERE CODE=7;

Query OK, 1 row affected (0.09 sec)

MariaDB [MYTESTDB]> SELECT \*FROM MANU;

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

| CODE | NAME |

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

| 1 | Sony |

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

| 4 | Iomega |

| 5 | Fujitsu |

| 6 | Winchester |

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

6 rows in set (0.00 sec)

MariaDB [MYTESTDB]>