Setting environment for using XAMPP for Windows.

648318@128-IMAC34 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 (0.05 sec)

MariaDB [(none)]> create database csd2204;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use csd2204;

Database changed

MariaDB [csd2204]> create table CityMaster

-> ( CityID integer(4) primary key,

-> cityName varchar(255) default 'toronto'

-> );

Query OK, 0 rows affected (0.39 sec)

MariaDB [csd2204]> create table persons(

-> ID integer(3),

-> LasteName varchar(255) NOT NULL,

-> FirstName Varchar(255),

-> Age integer(3),

-> CityID integer(4),

-> constraint pk\_persons primary key (ID),

-> constraint ck\_persons check (age>=18),

-> constraint fk\_persons foreign key (CityID)

-> references CityMaster (CityID)

-> );

Query OK, 0 rows affected (0.80 sec)

MariaDB [csd2204]> show tables;

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

| Tables\_in\_csd2204 |

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

| citymaster |

| persons |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> show index from citymaster;

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

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

| citymaster | 0 | PRIMARY | 1 | CityID | A | 0 | NULL | NULL | | BTREE | | |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> show index from persons;

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

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

| persons | 0 | PRIMARY | 1 | ID | A | 0 | NULL | NULL | | BTREE | | |

| persons | 1 | fk\_persons | 1 | CityID | A | 0 | NULL | NULL | YES | BTREE | | |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> create table customer(

-> -> C\_ID int(2),

-> -> name varchar(40),

-> -> nickname varchar(40),

-> -> address varchar(50),

-> -> city varchar(30),

-> -> pincode 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 '-> C\_ID int(2),

-> name varchar(40),

-> nickname varchar(40),

-> add' at line 2

MariaDB [csd2204]> create table customer(

-> -> C\_ID int(2),

-> -> name varchar(40),

-> -> nickname varchar(40),

-> -> address varchar(50),

-> -> city varchar(30),

-> -> pincode 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 '-> C\_ID int(2),

-> name varchar(40),

-> nickname varchar(40),

-> add' at line 2

MariaDB [csd2204]> create table new3 LIKE persons;

Query OK, 0 rows affected (0.26 sec)

MariaDB [csd2204]> show \* from j3;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '\* from j3' at line 1

MariaDB [csd2204]> desc j3;

ERROR 1146 (42S02): Table 'csd2204.j3' doesn't exist

MariaDB [csd2204]> desc new3;

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

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

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

| ID | int(3) | NO | PRI | NULL | |

| LasteName | varchar(255) | NO | | NULL | |

| FirstName | varchar(255) | YES | | NULL | |

| Age | int(3) | YES | | NULL | |

| CityID | int(4) | YES | MUL | NULL | |

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

5 rows in set (0.00 sec)

MariaDB [csd2204]> create table new1 AS select \* from citymaster;

Query OK, 0 rows affected (0.69 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> show tables;

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

| Tables\_in\_csd2204 |

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

| citymaster |

| new1 |

| new3 |

| persons |

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

4 rows in set (0.00 sec)

MariaDB [csd2204]> create table new2 AS select \* from persons;

Query OK, 0 rows affected (0.25 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> show tables;

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

| Tables\_in\_csd2204 |

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

| citymaster |

| new1 |

| new2 |

| new3 |

| persons |

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

5 rows in set (0.00 sec)

MariaDB [csd2204]> create table customer(C\_ID int(2),name varchar(40),nickname varchar(40),address varchar(50),city varchar(30),pincode int(6));

Query OK, 0 rows affected (0.28 sec)

MariaDB [csd2204]> insert into customer values(1,'pulkit','kumar','north york','toronto'123456,),

-> (2,'ashley','ash','32 washington street','wdc',325698),

-> (3,'Bob Marley','BM','Keele Street','Toronto',254632),

-> (4,'cherlie theron','cher','329 Empire state','New York',562345),

-> (5,'Denial Jack','DJ','S building','Brazil',457895),

-> (6,'Easton','M','York','Toronto',457812));

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 '123456,),

(2,'ashley','ash','32 washington street','wdc',325698),

(3,'Bob Marley' at line 1

MariaDB [csd2204]> insert into customer values(1,'pulkit','kumar','north york','toronto',123456,),

-> (2,'ashley','ash','32 washington street','wdc',325698),

-> (3,'Bob Marley','BM','Keele Street','Toronto',254632),

-> (4,'cherlie theron','cher','329 Empire state','New York',562345),

-> (5,'Denial Jack','DJ','S building','Brazil',457895),

-> (6,'Easton','M','York','Toronto',457812));

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,'ashley','ash','32 washington street','wdc',325698),

(3,'Bob Marley','BM',' at line 1

MariaDB [csd2204]> insert into customer values(1,'pulkit','kumar','north york','toronto',123456),

-> (2,'ashley','ash','32 washington street','wdc',325698),

-> (3,'Bob Marley','BM','Keele Street','Toronto',254632),

-> (4,'cherlie theron','cher','329 Empire state','New York',562345),

-> (5,'Denial Jack','DJ','S building','Brazil',457895),

-> (6,'Easton','M','York','Toronto',457812));

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 6

MariaDB [csd2204]> insert into customer values(1,'pulkit','kumar','north york','toronto',123456),

-> (2,'ashley','ash','32 washington street','wdc',325698),

-> (3,'Bob Marley','BM','Keele Street','Toronto',254632),

-> (4,'cherlie theron','cher','329 Empire state','New York',562345),

-> (5,'Denial Jack','DJ','S building','Brazil',457895),

-> (6,'Easton','M','York','Toronto',457812)

-> ;

Query OK, 6 rows affected (0.09 sec)

Records: 6 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> insert into customer

-> values(7,'pulkit','verma','new york','USA',123456),

-> (8,'Badshley','ash','3 washington street','wdc',325698),

-> (9,'Bobby','BMD','Keele Street','Toronto',254632),

-> (10,'cherliey walker','cheri','329 Empire state','New York',562345),

-> ;

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 5

MariaDB [csd2204]> insert into customer

-> values(7,'pulkit','verma','new york','USA',123456),

-> (8,'Badshley','ash','3 washington street','wdc',325698),

-> (9,'Bobby','BMD','Keele Street','Toronto',254632),

-> (10,'cherliey walker','cheri','329 Empire state','New York',562345)

-> ;

Query OK, 4 rows affected (0.10 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> select \* from customer;

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

| C\_ID | name | nickname | address | city | pincode |

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

| 1 | pulkit | kumar | north york | toronto | 123456 |

| 2 | ashley | ash | 32 washington street | wdc | 325698 |

| 3 | Bob Marley | BM | Keele Street | Toronto | 254632 |

| 4 | cherlie theron | cher | 329 Empire state | New York | 562345 |

| 5 | Denial Jack | DJ | S building | Brazil | 457895 |

| 6 | Easton | M | York | Toronto | 457812 |

| 7 | pulkit | verma | new york | USA | 123456 |

| 8 | Badshley | ash | 3 washington street | wdc | 325698 |

| 9 | Bobby | BMD | Keele Street | Toronto | 254632 |

| 10 | cherliey walker | cheri | 329 Empire state | New York | 562345 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204]> create table j3 like j1;

ERROR 1146 (42S02): Table 'csd2204.j1' doesn't exist

MariaDB [csd2204]> create table j3 like new1;

Query OK, 0 rows affected (0.33 sec)

MariaDB [csd2204]> insert into j3 select \* from customer where city='new%';

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [csd2204]> select \* from j3

-> ;

Empty set (0.00 sec)

MariaDB [csd2204]> insert into j3 select \* from customer where city='New%';

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [csd2204]> desc persons;

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

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

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

| ID | int(3) | NO | PRI | NULL | |

| LasteName | varchar(255) | NO | | NULL | |

| FirstName | varchar(255) | YES | | NULL | |

| Age | int(3) | YES | | NULL | |

| CityID | int(4) | YES | MUL | NULL | |

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

5 rows in set (0.00 sec)

MariaDB [csd2204]> show index from persons;

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

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

| persons | 0 | PRIMARY | 1 | ID | A | 0 | NULL | NULL | | BTREE | | |

| persons | 1 | fk\_persons | 1 | CityID | A | 0 | NULL | NULL | YES | BTREE | | |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> insert into persons values(01,'Person A','Per A',50,55);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204`.`persons`, CONSTRAINT `fk\_persons` FOREIGN KEY (`CityID`) REFERENCES `citymaster` (`CityID`))

MariaDB [csd2204]> insert into citymaster values(1,'toronto');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204]> insert into persons values(01,'Person A','Per A',50,55);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204`.`persons`, CONSTRAINT `fk\_persons` FOREIGN KEY (`CityID`) REFERENCES `citymaster` (`CityID`))

MariaDB [csd2204]> insert into persons values(01,'Person A','Per A',50,1);

Query OK, 1 row affected (0.04 sec)

MariaDB [csd2204]> select \* from persons;

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

| ID | LasteName | FirstName | Age | CityID |

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

| 1 | Person A | Per A | 50 | 1 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> insert into persons values(02,'Person B','Per B',85,1);

Query OK, 1 row affected (0.04 sec)

MariaDB [csd2204]> select \* from persons;

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

| ID | LasteName | FirstName | Age | CityID |

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

| 1 | Person A | Per A | 50 | 1 |

| 2 | Person B | Per B | 85 | 1 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> insert into persons values(01,'Person C','Per C',15,1);

ERROR 1062 (23000): Duplicate entry '1' for key 'PRIMARY'

MariaDB [csd2204]> insert into persons values(03,'Person C','Per C',15,1);

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204]> select \* from persons;

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

| ID | LasteName | FirstName | Age | CityID |

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

| 1 | Person A | Per A | 50 | 1 |

| 2 | Person B | Per B | 85 | 1 |

| 3 | Person C | Per C | 15 | 1 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204]> select version();

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

| version() |

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

| 10.1.21-MariaDB |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> alter table citymaster add column country varchar(100);

Query OK, 0 rows affected (0.66 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> desc citymaster;

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

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

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

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

| country | varchar(100) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [csd2204]> alter table citymaster add column test1;

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 [csd2204]> alter table citymaster modify column country varchar(20);

Query OK, 1 row affected (0.83 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> desc citymaster;

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

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

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

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

| country | varchar(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [csd2204]> desc persons;

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

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

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

| ID | int(3) | NO | PRI | NULL | |

| LasteName | varchar(255) | NO | | NULL | |

| FirstName | varchar(255) | YES | | NULL | |

| Age | int(3) | YES | | NULL | |

| CityID | int(4) | YES | MUL | NULL | |

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

5 rows in set (0.00 sec)

MariaDB [csd2204]> alter table persons change column LasteName LastName varchar(255);

Query OK, 0 rows affected (0.34 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> desc persons;

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

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

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

| ID | int(3) | NO | PRI | NULL | |

| LastName | varchar(255) | YES | | NULL | |

| FirstName | varchar(255) | YES | | NULL | |

| Age | int(3) | YES | | NULL | |

| CityID | int(4) | YES | MUL | NULL | |

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

5 rows in set (0.00 sec)

MariaDB [csd2204]> desc citymaster;

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

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

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

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

| country | varchar(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [csd2204]> alter table citymaster drop column country;

Query OK, 0 rows affected (0.92 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> desc citymaster;

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

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

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

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> create table from citytest as select \* from citymaster;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'from citytest as select \* from citymaster' at line 1

MariaDB [csd2204]> create table citytest as select \* from citymaster;

Query OK, 1 row affected (0.30 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> desc citytest

-> ;

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

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

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

| CityID | int(4) | NO | | NULL | |

| cityName | varchar(255) | YES | | toronto | |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> alter table citytest add primary key (CustID);

ERROR 1072 (42000): Key column 'CustID' doesn't exist in table

MariaDB [csd2204]> alter table citytest add primary key (CityID);

Query OK, 0 rows affected (2.94 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> desc citytest

-> ;

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

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

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

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> alter table citytest drop index CityID;

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

MariaDB [csd2204]> alter table citytest drop column CityID;

Query OK, 1 row affected (0.85 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [csd2204]> desc citytest;

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

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

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

| cityName | varchar(255) | YES | | toronto | |

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

1 row in set (0.01 sec)

MariaDB [csd2204]> alter table citymaster drop primary key;

ERROR 1025 (HY000): Error on rename of '.\csd2204\#sql-1f54\_2' to '.\csd2204\citymaster' (errno: 150 "Foreign key constraint is incorrectly formed")

MariaDB [csd2204]> update citymaster set city='Vanc' where CityID=1;

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

MariaDB [csd2204]> update citymaster set cityname='Vanc' where CityID=1;

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204]> select \* from citymaster;

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

| CityID | cityName |

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

| 1 | Vanc |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> insert into citymaster values(2,'London'0;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '0' at line 1

MariaDB [csd2204]> insert into citymaster values(2,'London');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204]> select \* from citymaster;

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

| CityID | cityName |

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

| 1 | Vanc |

| 2 | London |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> delete from citymaster where CityID=2;

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204]> select \* from citymaster;

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

| CityID | cityName |

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

| 1 | Vanc |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from persons;

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

| ID | LastName | FirstName | Age | CityID |

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

| 1 | Person A | Per A | 50 | 1 |

| 2 | Person B | Per B | 85 | 1 |

| 3 | Person C | Per C | 15 | 1 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204]> truncate persons;

Query OK, 0 rows affected (0.34 sec)

MariaDB [csd2204]> select \* from persons;

Empty set (0.00 sec)

MariaDB [csd2204]> drop table persons;

Query OK, 0 rows affected (0.14 sec)

MariaDB [csd2204]> select \* from persons;

ERROR 1146 (42S02): Table 'csd2204.persons' doesn't exist

MariaDB [csd2204]> exit;

Bye

648318@128-IMAC34 c:\xampp

# mysqldump -p -u root csd2204>Day5.sql;

Enter password:

mysqldump: Got error: 1049: "Unknown database 'csd2204;'" when selecting the database

648318@128-IMAC34 c:\xampp

#