Setting environment for using XAMPP for Windows.

710019@128-IMAC11 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 2

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

5 rows in set (0.06 sec)

MariaDB [(none)]> create database csd2204w18-1;

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 [(none)]> create database csd2204w18\_1;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use csd2204w18\_1;

Database changed

MariaDB [csd2204w18\_1]> create table citymaster(

-> cityid integer(4) primary kry,

-> cityname varchar(255) default 'toronto'

-> );

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 'kry,

cityname varchar(255) default 'toronto'

)' at line 2

MariaDB [csd2204w18\_1]> create table citymaster(

-> cityid integer(4) primary key,

-> cityname varchar(255) default 'toronto'

-> );

Query OK, 0 rows affected (0.30 sec)

MariaDB [csd2204w18\_1]> create table persons(

-> id integer(3),

-> lastname varchar(255) not null,

-> firstname varchar(255),

-> age integer(3),

-> cityid integer(4),

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

-> constraint ck\_persons check (id),

-> cityid integer(4);

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 9

MariaDB [csd2204w18\_1]> create table persons(

-> lastname 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)

-> );

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 '

references citymaster(cityid)

)' at line 8

MariaDB [csd2204w18\_1]> create table persons(

-> lastname 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)

-> );

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

MariaDB [csd2204w18\_1]> create table persons(

-> id integer(3),

-> lastname 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 (0.33 sec)

MariaDB [csd2204w18\_1]> 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 [csd2204w18\_1]> 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 [csd2204w18\_1]> create table c1 as select \* from persons;

Query OK, 0 rows affected (0.25 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> desc persons;

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

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

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

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

| lastname | 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 [csd2204w18\_1]> desc c1;

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

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

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

| id | int(3) | NO | | NULL | |

| lastname | varchar(255) | NO | | NULL | |

| firstname | varchar(255) | YES | | NULL | |

| age | int(3) | YES | | NULL | |

| cityid | int(4) | YES | | NULL | |

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

5 rows in set (0.01 sec)

MariaDB [csd2204w18\_1]> create table c2 like persons;

Query OK, 0 rows affected (0.33 sec)

MariaDB [csd2204w18\_1]> desc person;

ERROR 1146 (42S02): Table 'csd2204w18\_1.person' doesn't exist

MariaDB [csd2204w18\_1]> desc persons;

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

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

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

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

| lastname | varchar(255) | NO | | NULL | |

| firstname | varchar(255) | YES | | NULL | |

| age | int(3) | YES | | NULL | |

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

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

5 rows in set (0.03 sec)

MariaDB [csd2204w18\_1]> desc c2;

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

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

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

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

| lastname | 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 [csd2204w18\_1]> insert into citymaster values (1,'');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18\_1]> insert into citymaster values (2,'brampton');

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18\_1]> insert into citymaster values (3,'brampton');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18\_1]> show table 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 'citymaster' at line 1

MariaDB [csd2204w18\_1]> show create table citymaster;

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

| Table | Create Table |

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

| citymaster | CREATE TABLE `citymaster` (

`cityid` int(4) NOT NULL,

`cityname` varchar(255) DEFAULT 'toronto',

PRIMARY KEY (`cityid`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18\_1]> select \* from citymaster;

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

| cityid | cityname |

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

| 1 | |

| 2 | brampton |

| 3 | brampton |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> insert into citymaster(cityid) values (4);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18\_1]> select \* from citymaster;

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

| cityid | cityname |

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

| 1 | |

| 2 | brampton |

| 3 | brampton |

| 4 | toronto |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> insert into c3 select \* from citymaster where cityname ='toronto';

ERROR 1146 (42S02): Table 'csd2204w18\_1.c3' doesn't exist

MariaDB [csd2204w18\_1]> insert into c2 select \* from citymaster where cityname ='toronto';

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

MariaDB [csd2204w18\_1]> create table c3 like citymaster;

Query OK, 0 rows affected (0.28 sec)

MariaDB [csd2204w18\_1]> insert into c3 select \* from citymaster where cityname ='toronto';

Query OK, 1 row affected (0.44 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> select \* from c3;

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

| cityid | cityname |

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

| 4 | toronto |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18\_1]> insert into c3 select cityid from citymaster where cityname ='toronto';

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

MariaDB [csd2204w18\_1]> insert into c3 select cityname from citymaster where cityname ='toronto';

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

MariaDB [csd2204w18\_1]> insert into c3 select cityname,cityid from citymaster where cityname ='toronto';

Query OK, 1 row affected, 1 warning (0.08 sec)

Records: 1 Duplicates: 0 Warnings: 1

MariaDB [csd2204w18\_1]> desc persons;

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

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

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

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

| lastname | 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 [csd2204w18\_1]> 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 [csd2204w18\_1]> insert into persons values(1,'sharma','sahil',17,1);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18\_1]> insert into persons values(2,'sharma','sahil',19,2);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18\_1]> insert into persons values(2,'sharma','sahil',19,5);

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

MariaDB [csd2204w18\_1]> insert into persons values(3,'sharma','sahil',19,5);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18\_1`.`persons`, CONSTRAINT `fk\_persons` FOREIGN KEY (`cityid`) REFERENCES `citymaster` (`cityid`))

MariaDB [csd2204w18\_1]> select version();

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

| version() |

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

| 10.1.21-MariaDB |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18\_1]> select database();

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

| database() |

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

| csd2204w18\_1 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18\_1]> alter table citymaster add column country varchar(100);

Query OK, 0 rows affected (0.44 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> 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 [csd2204w18\_1]> 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 [csd2204w18\_1]> alter table citymaster modify column country varchar(20);

Query OK, 4 rows affected (0.69 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> 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 [csd2204w18\_1]> alter table citymaster rename column country countryname varchar(20);

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 'column country countryname varchar(20)' at line 1

MariaDB [csd2204w18\_1]> alter table citymaster change column country countryname varchar(20);

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> desc citymaster;

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

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

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

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

| cityname | varchar(255) | YES | | toronto | |

| countryname | varchar(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> alter table citymaster drop column countryname;

Query OK, 0 rows affected (0.39 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> 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 [csd2204w18\_1]> create table c4 as select \* from citymaster;

Query OK, 4 rows affected (0.25 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> decs c4;

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 'decs c4' at line 1

MariaDB [csd2204w18\_1]> desc c4;

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

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

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

| cityid | int(4) | NO | | NULL | |

| cityname | varchar(255) | YES | | toronto | |

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

2 rows in set (0.02 sec)

MariaDB [csd2204w18\_1]> alter table c4 add primary key(cityid);

Query OK, 0 rows affected (0.75 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> desc c4;

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

| 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 [csd2204w18\_1]> alter table c4 modify cityname varchar(250) not null;

Query OK, 4 rows affected (2.33 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> desc c4;

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

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

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

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

| cityname | varchar(250) | NO | | NULL | |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> alter table c4 add constraint default cityname='toronto';

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 'default cityname='toronto'' at line 1

MariaDB [csd2204w18\_1]> alter table c4 drop index cityid;

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

MariaDB [csd2204w18\_1]> alter table citymaster drop primary key;

ERROR 1025 (HY000): Error on rename of '.\csd2204w18\_1\#sql-1d9c\_2' to '.\csd2204w18\_1\citymaster' (errno: 150 "Foreign key constraint is incorrectly formed")

MariaDB [csd2204w18\_1]> update citymaster set cityname='vancover'where cityid=2;

Query OK, 1 row affected (0.09 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w18\_1]> select \* from citymaster;

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

| cityid | cityname |

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

| 1 | |

| 2 | vancover |

| 3 | brampton |

| 4 | toronto |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> update citymaster set cityname='london';

Query OK, 4 rows affected (0.08 sec)

Rows matched: 4 Changed: 4 Warnings: 0

MariaDB [csd2204w18\_1]> select \* from citymaster;

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

| cityid | cityname |

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

| 1 | london |

| 2 | london |

| 3 | london |

| 4 | london |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> delete from citymaster where cityid=2;

ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails (`csd2204w18\_1`.`persons`, CONSTRAINT `fk\_persons` FOREIGN KEY (`cityid`) REFERENCES `citymaster` (`cityid`))

MariaDB [csd2204w18\_1]> delete from c4 where cityid=2;

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18\_1]> select \* from c4;

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

| cityid | cityname |

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

| 1 | |

| 3 | brampton |

| 4 | toronto |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> select \* from persons;

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

| id | lastname | firstname | age | cityid |

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

| 1 | sharma | sahil | 17 | 1 |

| 2 | sharma | sahil | 19 | 2 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> delete from persons where cityid=2;

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18\_1]> select \* from persons;

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

| id | lastname | firstname | age | cityid |

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

| 1 | sharma | sahil | 17 | 1 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18\_1]> select \* from citymaster;

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

| cityid | cityname |

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

| 1 | london |

| 2 | london |

| 3 | london |

| 4 | london |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> delete from citymaster where cityid=2;

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18\_1]> select \* from citymaster;

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

| cityid | cityname |

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

| 1 | london |

| 3 | london |

| 4 | london |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> delete \* from persons;

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 persons' at line 1

MariaDB [csd2204w18\_1]> drop table persons;

Query OK, 0 rows affected (0.42 sec)

MariaDB [csd2204w18\_1]>