Setting environment for using XAMPP for Windows.

728699@128-IMAC12 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)]> create database csd2204w18\_1;

Query OK, 1 row affected (0.02 sec)

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

Database changed

MariaDB [csd2204w18\_1]> create table CityMaster(

-> cityid integer(4) primary key,

-> cityname varchar(255) default 'torontp'

-> );

Query OK, 0 rows affected (0.59 sec)

MariaDB [csd2204w18\_1]> create table persons(

-> id integer(3),

-> lastname varchar(255) not null,

-> firstname varchar(255),

-> age integer(3),

-> cityid integer($),

-> cityid integer($),';

'> );

'> ';

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 '$),

cityid integer($),';

);

'' at line 6

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 pk\_persons check(age>=18),

-> constraint fk\_persons foreign key (cityid)

-> references CityMaster(cityid)

-> );

Query OK, 0 rows affected (1.24 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 (0.01 sec)

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

Query OK, 0 rows affected (0.30 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 (0.00 sec)

MariaDB [csd2204w18\_1]> creae table c2 like 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 'creae table c2 like persons' at line 1

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

Query OK, 0 rows affected (0.58 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 (0.02 sec)

MariaDB [csd2204w18\_1]> insert into CityMaster values(1);

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

MariaDB [csd2204w18\_1]> insert into CityMaster values(1,'toronto');

Query OK, 1 row affected (0.03 sec)

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

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18\_1]> insert into CityMaster values(2,'new jersey');

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

MariaDB [csd2204w18\_1]> insert into CityMaster values(3,'new jersey');

Query OK, 1 row affected (0.03 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 tables 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 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 'show table 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 'torontp',

PRIMARY KEY (`cityid`)

) ENGINE=InnoDB DEFAULT CHARSET=latin1 |

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

1 row in set (0.00 sec)

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

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

| cityid | cityname |

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

| 1 | toronto |

| 2 | |

| 3 | new jersey |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> insert into CityMaster values(2);

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

MariaDB [csd2204w18\_1]> insert into CityMaster (cityid) values(2);

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

MariaDB [csd2204w18\_1]> insert into CityMaster (cityid) values(6);

Query OK, 1 row affected (0.13 sec)

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

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

| cityid | cityname |

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

| 1 | toronto |

| 2 | |

| 3 | new jersey |

| 6 | torontp |

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

4 rows in set (0.00 sec)

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

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

MariaDB [csd2204w18\_1]> insert into c2 select \* from CityMaster where cityname="new";

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 (0.20 sec)

MariaDB [csd2204w18\_1]> insert into c2 select \* from CityMaster where cityname="new";

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

MariaDB [csd2204w18\_1]> insert into c3 select \* from CityMaster where cityname="new";

Query OK, 0 rows affected (0.00 sec)

Records: 0 Duplicates: 0 Warnings: 0

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

Empty set (0.00 sec)

MariaDB [csd2204w18\_1]> insert into c3 select \* from CityMaster where cityname="new jersey";

Query OK, 1 row affected (0.14 sec)

Records: 1 Duplicates: 0 Warnings: 0

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

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

| cityid | cityname |

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

| 3 | new jersey |

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

1 row in set (0.00 sec)

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,'kaur','navneet',16,2);

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18\_1]> insert into persons values (1,'kaur','navneet',19,2);

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

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

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18\_1]> insert into persons values (3,'kaur','navneet',19,3);

Query OK, 1 row affected (0.45 sec)

MariaDB [csd2204w18\_1]> insert into persons values (4,'kaur','navneet',19,4);

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 (0.50 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 | | torontp | |

| 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 modufy column country 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 varchar(20)' at line 1

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

Query OK, 4 rows affected (0.72 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 | | torontp | |

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

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> alter table CityMaster change column country country\_name varchar(100);

Query OK, 4 rows affected (0.91 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 | | torontp | |

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

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

3 rows in set (0.01 sec)

MariaDB [csd2204w18\_1]> alter table CityMaster drop column country\_name;

Query OK, 0 rows affected (2.24 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 | | torontp | |

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

2 rows in set (0.00 sec)

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

Query OK, 4 rows affected (0.34 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18\_1]> desc c4;

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

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

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

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

| cityname | varchar(255) | YES | | torontp | |

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

2 rows in set (0.02 sec)

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

Query OK, 0 rows affected (0.81 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 | | torontp | |

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

2 rows in set (0.00 sec)

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 c4 drop index cityname;

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

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

ERROR 1025 (HY000): Error on rename of '.\csd2204w18\_1\#sql-1a1c\_2' to '.\csd2204w18\_1\citymaster' (errno: 150 "Foreign key constraint is incorrectly formed")

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

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

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

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

| cityid | cityname |

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

| 1 | toronto |

| 2 | Vancouver |

| 3 | new jersey |

| 6 | torontp |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> update CityMaster set cityname='London';

Query OK, 4 rows affected (0.09 sec)

Rows matched: 4 Changed: 4 Warnings: 0

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

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

| cityid | cityname |

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

| 1 | London |

| 2 | London |

| 3 | London |

| 6 | 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 c1 where cityid=1;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18\_1]> select \* from c1;

Empty set (0.00 sec)

MariaDB [csd2204w18\_1]> delete from c2 where cityid=1;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18\_1]> select \* from c2;

Empty set (0.00 sec)

MariaDB [csd2204w18\_1]> delete from c3 where cityid=1;

Query OK, 0 rows affected (0.00 sec)

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

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

| cityid | cityname |

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

| 3 | new jersey |

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

1 row in set (0.00 sec)

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

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 person' at line 1

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

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

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

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

| id | lastname | firstname | age | cityid |

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

| 1 | kaur | navneet | 16 | 2 |

| 2 | kaur | navneet | 19 | 2 |

| 3 | kaur | navneet | 19 | 3 |

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

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]> select \* from persons;

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

| id | lastname | firstname | age | cityid |

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

| 1 | kaur | navneet | 16 | 2 |

| 2 | kaur | navneet | 19 | 2 |

| 3 | kaur | navneet | 19 | 3 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18\_1]> truncate persons;

Query OK, 0 rows affected (0.39 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]> select \* from persons;

Empty set (0.00 sec)

MariaDB [csd2204w18\_1]> drop table persons;

Query OK, 0 rows affected (0.13 sec)

MariaDB [csd2204w18\_1]> delete from persons;

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

MariaDB [csd2204w18\_1]>