Setting environment for using XAMPP for Windows.

732069@128-IMAC09 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 (0.11 sec)

MariaDB [(none)]> create database constraints;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use constraints;

Database changed

MariaDB [constraints]> create table persons(

-> ID integer(3),

-> Lastname varchar(255);

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 3

MariaDB [constraints]> create table citymaster(

-> cityID integer(4) primary key,

-> cityname varchar

->

-> cityname varcha;

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 'cityname varcha' at line 5

MariaDB [constraints]> create table citymaster(

-> cityID integer(4) primary key,

-> cityname varchar(255) default 'toronto'

-> );

Query OK, 0 rows affected (0.60 sec)

MariaDB [constraints]> create table persons(

-> ID integer(3),

-> Lastname varchar(255) NOT NULL,

-> Firstname varcahr(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 'varcahr(255),

Age integer(3),

CityID integer(4),

constraint pk\_persons primary k' at line 4

MariaDB [constraints]> create table persons(

-> 'ID' integer(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 ''ID' integer(3),

)' at line 2

MariaDB [constraints]> create table persons(

-> ID integer(3),

-> Lastname varchar(255) NOT NULL,

-> Firstname varcahr(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 'varcahr(255),

Age integer(3),

CityID integer(4),

constraint pk\_persons primary k' at line 4

MariaDB [constraints]> create table persons(

-> ID int(3),

-> Lastname varchar(255) NOT NULL,

-> Firstname varcahr(255),

-> Age int(3),

-> CityID int(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 'varcahr(255),

Age int(3),

CityID int(4),

constraint pk\_persons primary key(ID),

' at line 4

MariaDB [constraints]> create table persons(

-> ID int(3),

-> Lastname varchar(255) NOT NULL,

-> Firstname varcahr(255),

-> Age int(3),

-> CityID int(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 'varcahr(255),

Age int(3),

CityID int(4),

constraint pk\_persons primary key (ID),' at line 4

MariaDB [constraints]> create table persons(

-> ID int(3),

-> Lastname varchar(255) NOT NULL,

-> Firstname varchar(255),

-> Age int(3),

-> CityID int(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 (1.61 sec)

MariaDB [constraints]> show index 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 '(

)' at line 1

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

Query OK, 0 rows affected (0.29 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constraints]> 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 [constraints]> select \* 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 'persons' at line 1

MariaDB [constraints]> select \* from persons;

Empty set (0.00 sec)

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

ERROR 1050 (42S01): Table 'c1' already exists

MariaDB [constraints]> create table c2 as select \* from persons;

Query OK, 0 rows affected (0.26 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constraints]> dec c1;

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 'dec c1' at line 1

MariaDB [constraints]> 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 [constraints]> 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 [constraints]> desc c2;

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

| 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 [constraints]> desc c3;

ERROR 1146 (42S02): Table 'constraints.c3' doesn't exist

MariaDB [constraints]> INSERT INTO citymaster values(1,'toronto');

Query OK, 1 row affected (0.45 sec)

MariaDB [constraints]> INSERT INTO citymaster values(2,'new jersey');

Query OK, 1 row affected (0.07 sec)

MariaDB [constraints]> INSERT INTO persons values(1,'nair','priya','23',1);

Query OK, 1 row affected (0.05 sec)

MariaDB [constraints]> INSERT INTO persons values(1,'nair','anoop','28',2);

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

MariaDB [constraints]> INSERT INTO persons values(2,'nair','anoop','28',2);

Query OK, 1 row affected (0.08 sec)

MariaDB [constraints]> slect \* 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 'slect \* from citymaster' at line 1

MariaDB [constraints]> select \* from citymaster;

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

| cityID | cityname |

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

| 1 | toronto |

| 2 | new jersey |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> select \* from persons;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

| 2 | nair | anoop | 28 | 2 |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> insert into c3 select \* from persons where cityname = 'Toronto';

ERROR 1146 (42S02): Table 'constraints.c3' doesn't exist

MariaDB [constraints]> insert into c2 select \* from persons where cityname = 'Toronto';

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

MariaDB [constraints]> select \* from persons;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

| 2 | nair | anoop | 28 | 2 |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> select \* from c2;

Empty set (0.00 sec)

MariaDB [constraints]> select \* from c1;

Empty set (0.00 sec)

MariaDB [constraints]> select \* from c3;

ERROR 1146 (42S02): Table 'constraints.c3' doesn't exist

MariaDB [constraints]> create table c3 like persons;

Query OK, 0 rows affected (0.41 sec)

MariaDB [constraints]> insert into c3 select \* from persons where ID = 1;

Query OK, 1 row affected (0.05 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [constraints]> select \* from c3;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

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

1 row in set (0.00 sec)

MariaDB [constraints]> insert into c3 select \* from persons where cityID = 2;

Query OK, 1 row affected (0.04 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [constraints]> select \* from c3;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

| 2 | nair | anoop | 28 | 2 |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> 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 (0.01 sec)

MariaDB [constraints]> 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 | 2 | NULL | NULL | | BTREE | | |

| persons | 1 | fk\_persons | 1 | CityID | A | 2 | NULL | NULL | YES | BTREE | | |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> INSERT INTO persons values(3,'verma','sonal','15',3);

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

MariaDB [constraints]> INSERT INTO persons values(3,'verma','sonal','15',4);

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

MariaDB [constraints]> INSERT INTO persons values(3,'verma','sonal','15',2);

Query OK, 1 row affected (0.05 sec)

MariaDB [constraints]> INSERT INTO persons values(4,'menon','ash','14',1);

Query OK, 1 row affected (0.06 sec)

MariaDB [constraints]> select \* from persons;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

| 2 | nair | anoop | 28 | 2 |

| 3 | verma | sonal | 15 | 2 |

| 4 | menon | ash | 14 | 1 |

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

4 rows in set (0.00 sec)

MariaDB [constraints]> insert into c3 select \* from persons where age>18;

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

MariaDB [constraints]> insert into persons select \* from persons where age>18;

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

MariaDB [constraints]> select \* from c3;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

| 2 | nair | anoop | 28 | 2 |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> insert into persons select \* from persons where age<18;

ERROR 1062 (23000): Duplicate entry '3' for key 'PRIMARY'

MariaDB [constraints]> select \* from c3;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

| 2 | nair | anoop | 28 | 2 |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> create table c4 like persons;

Query OK, 0 rows affected (0.34 sec)

MariaDB [constraints]> select \* from c4;

Empty set (0.00 sec)

MariaDB [constraints]> select version ();

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

| version () |

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

| 10.1.21-MariaDB |

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

1 row in set (0.00 sec)

MariaDB [constraints]> insert into c4 select \* from persons where age>18;

Query OK, 2 rows affected (0.04 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constraints]> select \* from c4;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

| 2 | nair | anoop | 28 | 2 |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> insert into c4 select \* from persons where age<18;

Query OK, 2 rows affected (0.06 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constraints]> select \* from c4;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

| 2 | nair | anoop | 28 | 2 |

| 3 | verma | sonal | 15 | 2 |

| 4 | menon | ash | 14 | 1 |

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

4 rows in set (0.01 sec)

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

Query OK, 0 rows affected (0.46 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constraints]> 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 [constraints]> alter table citymaster add column test 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 [constraints]> alter table citymaster modify column country varchar(6);

Query OK, 2 rows affected (0.76 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constraints]> desc citymaster;

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

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

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

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

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

| country | varchar(6) | YES | | NULL | |

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

3 rows in set (0.01 sec)

MariaDB [constraints]> alter table citymaster change column country place varchar(7);

Query OK, 2 rows affected (4.29 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constraints]> desc citymaster;

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

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

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

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

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

| place | varchar(7) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [constraints]> alter table citymaster drop column place;

Query OK, 0 rows affected (1.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constraints]> 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 [constraints]> alter table citymaster add constraint unique (cityname);

Query OK, 0 rows affected (0.32 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constraints]> desc citymaster;

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

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

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

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

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

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

2 rows in set (0.00 sec)

MariaDB [constraints]> create table test as select \* from citymaster;

Query OK, 2 rows affected (0.36 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constraints]> desc citymaster;

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

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

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

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

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

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

2 rows in set (0.00 sec)

MariaDB [constraints]> alter table test add constraint varchar(255) not null;

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 'varchar(255) not null' at line 1

MariaDB [constraints]> desc test;

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

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

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

| cityID | int(4) | NO | | NULL | |

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

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

2 rows in set (0.00 sec)

MariaDB [constraints]> desc citymaster;

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

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

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

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

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

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

2 rows in set (0.00 sec)

MariaDB [constraints]> alter table citymaster modify cityname unique (cityname);

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 'unique (cityname)' at line 1

MariaDB [constraints]> alter table citymaster modify cityname varchar(40) not null;

Query OK, 2 rows affected (0.98 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constraints]> desc test;

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

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

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

| cityID | int(4) | NO | | NULL | |

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

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

2 rows in set (0.00 sec)

MariaDB [constraints]> desc citymaster;

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

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

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

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

| cityname | varchar(40) | NO | UNI | NULL | |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> alter table citymaster modify cityname varchar(40);

Query OK, 0 rows affected (0.64 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constraints]> desc citymaster;

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

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

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

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

| cityname | varchar(40) | YES | UNI | NULL | |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> alter table citymaster drop index cityID;

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

MariaDB [constraints]> alter table citymaster drop index cityname;

Query OK, 0 rows affected (0.14 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constraints]> desc citymaster;

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

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

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

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

| cityname | varchar(40) | YES | | NULL | |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> 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 | 2 | NULL | NULL | | BTREE | | |

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

1 row in set (0.00 sec)

MariaDB [constraints]> alter table test drop primary key;

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

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

ERROR 1025 (HY000): Error on rename of '.\constraints\#sql-18f0\_2' to '.\constraints\citymaster' (errno: 150 "Foreign key constraint is incorrectly formed")

MariaDB [constraints]> desc citymaster;

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

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

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

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

| cityname | varchar(40) | YES | | NULL | |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> alter table citymaster drop primarykey;

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

MariaDB [constraints]> update citymaster set cityname = vanquver, cityID = 2;

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

MariaDB [constraints]> update citymaster set cityname = 'vanquver', cityID = 2;

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

MariaDB [constraints]> update citymaster set cityname = 'vanquver', cityID = '2';

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

MariaDB [constraints]> update citymaster set cityname = 'vanquver' where cityID = '2';

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [constraints]> desc citymaster;

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

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

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

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

| cityname | varchar(40) | YES | | NULL | |

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

2 rows in set (0.03 sec)

MariaDB [constraints]> select \* from citymaster;

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

| cityID | cityname |

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

| 1 | toronto |

| 2 | vanquver |

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

2 rows in set (0.01 sec)

MariaDB [constraints]> update citymaster set cityname = 'london' where cityID = '1';

Query OK, 1 row affected (0.13 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [constraints]> select \* from citymaster;

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

| cityID | cityname |

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

| 1 | london |

| 2 | vanquver |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> delete from citymaster where cityID = 2;

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

MariaDB [constraints]> delete from persons where cityID = 2;

Query OK, 2 rows affected (1.06 sec)

MariaDB [constraints]> select \* from table;

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 'table' at line 1

MariaDB [constraints]> select \* from persons;

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

| ID | Lastname | Firstname | Age | CityID |

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

| 1 | nair | priya | 23 | 1 |

| 4 | menon | ash | 14 | 1 |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> select \* from citymaster;

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

| cityID | cityname |

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

| 1 | london |

| 2 | vanquver |

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

2 rows in set (0.00 sec)

MariaDB [constraints]> delete from citymaster where cityID = 2;

Query OK, 1 row affected (0.08 sec)

MariaDB [constraints]> select \* from citymaster;

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

| cityID | cityname |

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

| 1 | london |

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

1 row in set (0.00 sec)

MariaDB [constraints]> drop table test;

Query OK, 0 rows affected (0.38 sec)

MariaDB [constraints]> desc test;

ERROR 1146 (42S02): Table 'constraints.test' doesn't exist

MariaDB [constraints]>