Setting environment for using XAMPP for Windows.

727012@128-IMAC18 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 37

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 CityInformation;

Query OK, 1 row affected (0.02 sec)

MariaDB [(none)]> show databases;

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

| Database |

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

| cityinformation |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

6 rows in set (0.00 sec)

MariaDB [(none)]> use cityinformation;

Database changed

MariaDB [cityinformation]> create table citymaster(

-> cityID int(4) PRIMARY KEY,

-> cityName varchar(255) default 'toronto'

-> );

Query OK, 0 rows affected (1.07 sec)

MariaDB [cityinformation]> 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),

-> refrences 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 '

refrences citymaster (CityID)

)' at line 9

MariaDB [cityinformation]> 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 (0.78 sec)

MariaDB [cityinformation]> select \*from persons;

Empty set (0.00 sec)

MariaDB [cityinformation]> select \*from citymaster;

Empty set (0.00 sec)

MariaDB [cityinformation]> create table CityMaster (

-> CityID integer(4) primary key,

-> cityName varchar(255) default 'toronto’

-> );

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

MariaDB [cityinformation]> show tables;

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

| Tables\_in\_cityinformation |

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

| citymaster |

| persons |

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

2 rows in set (0.00 sec)

MariaDB [cityinformation]> drop tables citymaster,persons;

ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails

MariaDB [cityinformation]> drop tables citymaster;

Query OK, 0 rows affected (0.08 sec)

MariaDB [cityinformation]> drop tables persons;

ERROR 1051 (42S02): Unknown table 'cityinformation.persons'

MariaDB [cityinformation]> drop table persons;

ERROR 1051 (42S02): Unknown table 'cityinformation.persons'

MariaDB [cityinformation]> show tables;

Empty set (0.00 sec)

MariaDB [cityinformation]> create table CityMaster (

-> CityID integer(4) primary key,

-> cityName varchar(255) default 'toronto’

-> );

Query OK, 0 rows affected (0.41 sec)

MariaDB [cityinformation]> 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 (0.43 sec)

MariaDB [cityinformation]> select \*from persons;

Empty set (0.00 sec)

MariaDB [cityinformation]> show indexes 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 [cityinformation]> show indexes 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 [cityinformation]> create table customer(

-> -> custID int(2),

-> -> name varchar(40),

-> -> nickname varchar(20),

-> -> city varchar(20),

-> -> postalcode 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 '-> custID int(2),

-> name varchar(40),

-> nickname varchar(20),

-> c' at line 2

MariaDB [cityinformation]> create table customer(

-> custID int(2),

-> name varchar(40),

-> nickname varchar(20),

-> city varchar(20),

-> postalcode varchar(20)

-> );

Query OK, 0 rows affected (0.31 sec)

MariaDB [cityinformation]> insert into customer values(3,'cherlies Theron','Cher','NewYork','120134');

Query OK, 1 row affected (0.05 sec)

MariaDB [cityinformation]> insert into customer values(3,'cherlies Theron','Cher','NewYork','120134');

Query OK, 1 row affected (0.05 sec)

MariaDB [cityinformation]> insert into customer values(3,'cherlies Theron','Cher','NewYork','120134');

Query OK, 1 row affected (0.05 sec)

MariaDB [cityinformation]> insert into customer values(3,'cherlies Theron','Cher','NewYork','120134');

Query OK, 1 row affected (0.05 sec)

MariaDB [cityinformation]> insert into customer values(3,'cherlies Theron','Cher','NewYork','120134');

Query OK, 1 row affected (0.05 sec)

MariaDB [cityinformation]> select \*from customer;

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

| custID | name | nickname | city | postalcode |

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

| 3 | cherlies Theron | Cher | NewYork | 120134 |

| 3 | cherlies Theron | Cher | NewYork | 120134 |

| 3 | cherlies Theron | Cher | NewYork | 120134 |

| 3 | cherlies Theron | Cher | NewYork | 120134 |

| 3 | cherlies Theron | Cher | NewYork | 120134 |

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

5 rows in set (0.00 sec)

MariaDB [cityinformation]> create table NewTable\_J1 AS select city,postalcode from customer;

Query OK, 5 rows affected (0.38 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select \*from NewTable\_J1;

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

| city | postalcode |

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

| NewYork | 120134 |

| NewYork | 120134 |

| NewYork | 120134 |

| NewYork | 120134 |

| NewYork | 120134 |

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

5 rows in set (0.00 sec)

MariaDB [cityinformation]> select \*from citymaster;

Empty set (0.00 sec)

MariaDB [cityinformation]> insert into persons values(1,'Jonny','Jen','Toronto',123567);

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

MariaDB [cityinformation]> insert into persons values(1,'Jonny','Jen',28,101);

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

MariaDB [cityinformation]> create newTable j2;

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 'newTable j2' at line 1

MariaDB [cityinformation]> create table newTablej2;

ERROR 1113 (42000): A table must have at least 1 column

MariaDB [cityinformation]> create table newTablej2(;

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 [cityinformation]> create table newTablej2(

-> ;

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 [cityinformation]> insert into NewTable\_J1 select city from customer where city ='NewYork';

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

MariaDB [cityinformation]> insert into NewTable\_J1 select \*from customer;

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

MariaDB [cityinformation]> create table customers(

-> name varchar(10),

-> age int(2),

-> city varchar(20)

-> );

Query OK, 0 rows affected (0.61 sec)

MariaDB [cityinformation]> insert into customer values('Jen',12,'Toronto');

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

MariaDB [cityinformation]> insert into customers values('Jen',12,'Toronto');

Query OK, 1 row affected (0.05 sec)

MariaDB [cityinformation]> insert into customers values('Bill',16,'Ottawa');

Query OK, 1 row affected (0.05 sec)

MariaDB [cityinformation]> insert into customers values('Ben',18,'Alberta');

Query OK, 1 row affected (0.06 sec)

MariaDB [cityinformation]> create table information from customers AS select name,age,city from customers;

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 customers AS select name,age,city from customers' at line 1

MariaDB [cityinformation]> create table information from customers AS select name,age,city from customers;

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 customers AS select name,age,city from customers' at line 1

MariaDB [cityinformation]> create table NewCustomers AS select name,age,city from customers;

Query OK, 3 rows affected (0.58 sec)

Records: 3 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> create table j3(

-> name varchar(20),

-> age int(3),

-> city varchar(20)

-> );

Query OK, 0 rows affected (0.56 sec)

MariaDB [cityinformation]> insert into j3 select city from NewCustomers where city = 'Toronto';

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

MariaDB [cityinformation]> select \*from NewCustomers;

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

| name | age | city |

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

| Jen | 12 | Toronto |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

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

3 rows in set (0.00 sec)

MariaDB [cityinformation]> select \*from customers;

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

| name | age | city |

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

| Jen | 12 | Toronto |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

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

3 rows in set (0.00 sec)

MariaDB [cityinformation]> select \*from j3;

Empty set (0.00 sec)

MariaDB [cityinformation]> insert into j3 select name,age,city from NewCustomers where name ='Jen';

Query OK, 1 row affected (0.06 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select \*from j3

-> ;

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

| name | age | city |

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

| Jen | 12 | Toronto |

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

1 row in set (0.00 sec)

MariaDB [cityinformation]> insert into j3 select name,age,city from NewCustomers where age>=12;

Query OK, 3 rows affected (0.05 sec)

Records: 3 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select \*from j3;

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

| name | age | city |

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

| Jen | 12 | Toronto |

| Jen | 12 | Toronto |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

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

4 rows in set (0.00 sec)

MariaDB [cityinformation]> insert into j3 select name,age,city from NewCustomers where age>12;

Query OK, 2 rows affected (0.05 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select \*from j3;

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

| name | age | city |

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

| Jen | 12 | Toronto |

| Jen | 12 | Toronto |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

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

6 rows in set (0.00 sec)

MariaDB [cityinformation]> insert into j3 select name,age,city from NewCustomers where name ='bill';

Query OK, 1 row affected (0.06 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select \*from j3;

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

| name | age | city |

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

| Jen | 12 | Toronto |

| Jen | 12 | Toronto |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

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

7 rows in set (0.00 sec)

MariaDB [cityinformation]> create table j4 LIKE j3;

Query OK, 0 rows affected (0.28 sec)

MariaDB [cityinformation]> select \*from j4;

Empty set (0.00 sec)

MariaDB [cityinformation]> insert into j4 select \*from j3;

Query OK, 7 rows affected (0.06 sec)

Records: 7 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select\*from j4;

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

| name | age | city |

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

| Jen | 12 | Toronto |

| Jen | 12 | Toronto |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

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

7 rows in set (0.00 sec)

MariaDB [cityinformation]> create table j5(

-> name varchar(20),

-> age int(2),

-> ID int(2) NOT NULL,

-> constraint pk\_j5 PRIMARY KEY (ID)

-> );

Query OK, 0 rows affected (0.61 sec)

MariaDB [cityinformation]> insert into j5 select \*from j4;

ERROR 1062 (23000): Duplicate entry '0' for key 'PRIMARY'

MariaDB [cityinformation]> insert into j5 select \*from customers;

ERROR 1062 (23000): Duplicate entry '0' for key 'PRIMARY'

MariaDB [cityinformation]> insert into j5 values(

-> 'Dan',22,101);

Query OK, 1 row affected (0.05 sec)

MariaDB [cityinformation]> 'Donna',28,102);

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 ''Donna',28,102)' at line 1

MariaDB [cityinformation]> insert into j5 values(

-> 'Donna',28,102);

Query OK, 1 row affected (0.05 sec)

MariaDB [cityinformation]> insert into j5 values(

-> 'Benny',33,103);

Query OK, 1 row affected (0.06 sec)

MariaDB [cityinformation]> select \*from j5;

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

| name | age | ID |

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

| Dan | 22 | 101 |

| Donna | 28 | 102 |

| Benny | 33 | 103 |

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

3 rows in set (0.00 sec)

MariaDB [cityinformation]> insert into j4 select name,age,ID from j5;

Query OK, 3 rows affected (0.44 sec)

Records: 3 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select \*from j4;

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

| name | age | city |

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

| Jen | 12 | Toronto |

| Jen | 12 | Toronto |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Dan | 22 | 101 |

| Donna | 28 | 102 |

| Benny | 33 | 103 |

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

10 rows in set (0.00 sec)

MariaDB [cityinformation]> describe table 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 'table persons' at line 1

MariaDB [cityinformation]> describe 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 [cityinformation]> 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 [cityinformation]> insert into persons values(1,'Tim','John',23,1240);

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

MariaDB [cityinformation]> select \*from persons;

Empty set (0.00 sec)

MariaDB [cityinformation]> select \*from citymaster;

Empty set (0.00 sec)

MariaDB [cityinformation]> insert into j4 select \*from j3 where age>12;

Query OK, 5 rows affected (2.23 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select \*from j4;

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

| name | age | city |

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

| Jen | 12 | Toronto |

| Jen | 12 | Toronto |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Dan | 22 | 101 |

| Donna | 28 | 102 |

| Benny | 33 | 103 |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

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

15 rows in set (0.00 sec)

MariaDB [cityinformation]> select \*from citymaster;

Empty set (0.00 sec)

MariaDB [cityinformation]> describe citymaster;

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

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

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

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

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

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

2 rows in set (0.02 sec)

MariaDB [cityinformation]> insert into citymaster values(1,'Toronto');

Query OK, 1 row affected (0.06 sec)

MariaDB [cityinformation]> insert into citymaster values(2,'Ottawa');

Query OK, 1 row affected (0.06 sec)

MariaDB [cityinformation]> insert into citymaster values(3,'Downtown');

Query OK, 1 row affected (0.06 sec)

MariaDB [cityinformation]> insert into citymaster values(4,'Alberta');

Query OK, 1 row affected (0.08 sec)

MariaDB [cityinformation]> describe 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 [cityinformation]> insert into persons values(1,'Hortons','Tim',24,1);

Query OK, 1 row affected (0.06 sec)

MariaDB [cityinformation]> insert into persons values(2,'Donald','MC',35,2);

Query OK, 1 row affected (0.09 sec)

MariaDB [cityinformation]> insert into persons values(3,'Kate','jenny',14,3);

Query OK, 1 row affected (0.06 sec)

MariaDB [cityinformation]> select version();

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

| version() |

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

| 10.1.21-MariaDB |

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

1 row in set (0.00 sec)

MariaDB [cityinformation]> select database();

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

| database() |

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

| cityinformation |

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

1 row in set (0.00 sec)

MariaDB [cityinformation]> alter table citymaster

-> Add country varchar(500);

Query OK, 0 rows affected (0.41 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select \*from citymaster;

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

| CityID | cityName | country |

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

| 1 | Toronto | NULL |

| 2 | Ottawa | NULL |

| 3 | Downtown | NULL |

| 4 | Alberta | NULL |

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

4 rows in set (0.00 sec)

MariaDB [cityinformation]> describe citymaster;

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

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

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

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

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

| country | varchar(500) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [cityinformation]> alter table citymaster

-> Add 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 2

MariaDB [cityinformation]> alter table citymaster modify country postalcode varchar(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 'postalcode varchar(6)' at line 1

MariaDB [cityinformation]> alter table citymaster modify column country varchar(6);

Query OK, 4 rows affected (1.20 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> describe 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 [cityinformation]> alter table citymaster

-> change column country postalcode varchar(6);

Query OK, 0 rows affected (0.14 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> describe citymaster;

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

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

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

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

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

| postalcode | varchar(6) | YES | | NULL | |

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

3 rows in set (0.02 sec)

MariaDB [cityinformation]> alter table citymaster drop column postalcode;

Query OK, 0 rows affected (0.78 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> describe citymaster;

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

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

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

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

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

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

2 rows in set (0.02 sec)

MariaDB [cityinformation]> create table citytest AS select \*from citymaster;

Query OK, 4 rows affected (0.38 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> describe citytest;

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

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

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

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

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

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

2 rows in set (0.02 sec)

MariaDB [cityinformation]> alter table citytest add PRIMARY KEY(CityID);

Query OK, 0 rows affected (2.10 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> describe 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 [cityinformation]> alter citytest modify CityID varchar(40);

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 'citytest modify CityID varchar(40)' at line 1

MariaDB [cityinformation]> describe citytest;

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

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

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

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

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

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

2 rows in set (0.02 sec)

MariaDB [cityinformation]> alter table citytest modify cityname varchar(40);

Query OK, 4 rows affected (1.33 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> describe citytest;

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

| 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 [cityinformation]> show index from citytest;

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

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

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

| citytest | 0 | PRIMARY | 1 | CityID | A | 4 | NULL | NULL | | BTREE | | |

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

1 row in set (0.00 sec)

MariaDB [cityinformation]> alter citytest modify cityID varcahr(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 'citytest modify cityID varcahr(6)' at line 1

MariaDB [cityinformation]> alter citytest modify cityID varchar(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 'citytest modify cityID varchar(6)' at line 1

MariaDB [cityinformation]> alter table citytest modify cityID varchar(6);

Query OK, 4 rows affected (1.25 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> describe citytest;

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

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

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

| cityID | varchar(6) | NO | PRI | NULL | |

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

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

2 rows in set (0.06 sec)

MariaDB [cityinformation]> describe 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 [cityinformation]> alter table citytest drop Key;

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 [cityinformation]> alter table citytest index KEy;

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 'KEy' at line 1

MariaDB [cityinformation]> alter table citytest index Key;

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 'Key' at line 1

MariaDB [cityinformation]> select \*from citytest;

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

| cityID | cityname |

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

| 1 | Toronto |

| 2 | Ottawa |

| 3 | Downtown |

| 4 | Alberta |

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

4 rows in set (0.00 sec)

MariaDB [cityinformation]> alter table persons

-> Add PRIMARY KEY(cityID);

ERROR 1068 (42000): Multiple primary key defined

MariaDB [cityinformation]> describe 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 [cityinformation]> alter table persons

-> ADD country varcahr(23);

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(23)' at line 2

MariaDB [cityinformation]> alter table persons

-> ADD country varchar(23);

Query OK, 0 rows affected (0.56 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> select \*from persons;

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

| ID | LasteName | FirstName | Age | CityID | country |

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

| 1 | Hortons | Tim | 24 | 1 | NULL |

| 2 | Donald | MC | 35 | 2 | NULL |

| 3 | Kate | jenny | 14 | 3 | NULL |

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

3 rows in set (0.00 sec)

MariaDB [cityinformation]> alter table persons drop index country;

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

MariaDB [cityinformation]> show index;

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 [cityinformation]> show indexes;

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 [cityinformation]> show index from citytest;

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

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

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

| citytest | 0 | PRIMARY | 1 | cityID | A | 4 | NULL | NULL | | BTREE | | |

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

1 row in set (0.00 sec)

MariaDB [cityinformation]> alter table citymaster drop PRIMARY KEY();

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 [cityinformation]> alter table citymaster drop PRIMARY KEY;

ERROR 1025 (HY000): Error on rename of '.\cityinformation\#sql-74\_25' to '.\cityinformation\citymaster' (errno: 150 "Foreign key constraint is incorrectly formed")

MariaDB [cityinformation]> describe 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 [cityinformation]> alter table citymaster drop primarykey;

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

MariaDB [cityinformation]> drop index Key on 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 'Key on citymaster' at line 1

MariaDB [cityinformation]> alter table citymaster drop primary key();

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

Query OK, 4 rows affected (1.64 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [cityinformation]> update citymaster

-> set cityname ='vancouver' where cityID = 2;

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [cityinformation]> select \*from citymaster;

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

| CityID | cityname |

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

| 1 | Toronto |

| 2 | vancouver |

| 3 | Downtown |

| 4 | Alberta |

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

4 rows in set (0.00 sec)

MariaDB [cityinformation]> update citymaster

-> set cityname = 'London';

Query OK, 4 rows affected (0.06 sec)

Rows matched: 4 Changed: 4 Warnings: 0

MariaDB [cityinformation]> select \*from citymaster;

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

| CityID | cityname |

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

| 1 | London |

| 2 | London |

| 3 | London |

| 4 | London |

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

4 rows in set (0.00 sec)

MariaDB [cityinformation]> delete from citymaster

-> where cityID = 2;

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

MariaDB [cityinformation]> delete from citymaster

-> where CityID = 2;

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

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

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

MariaDB [cityinformation]> 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 [cityinformation]> Truncate persons;

Query OK, 0 rows affected (0.56 sec)

MariaDB [cityinformation]> select \*from persons;

Empty set (0.00 sec)

MariaDB [cityinformation]> 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 [cityinformation]> truncate j4 where name ='bill';

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 name ='bill'' at line 1

MariaDB [cityinformation]> select \*from j4;

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

| name | age | city |

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

| Jen | 12 | Toronto |

| Jen | 12 | Toronto |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Dan | 22 | 101 |

| Donna | 28 | 102 |

| Benny | 33 | 103 |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

| Ben | 18 | Alberta |

| Bill | 16 | Ottawa |

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

15 rows in set (0.02 sec)

MariaDB [cityinformation]> delete \*from j4 where age>12;

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 j4 where age>12' at line 1

MariaDB [cityinformation]> delete \*from j4 where age<16;

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 j4 where age<16' at line 1

MariaDB [cityinformation]> select \*from j5;

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

| name | age | ID |

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

| Dan | 22 | 101 |

| Donna | 28 | 102 |

| Benny | 33 | 103 |

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

3 rows in set (0.03 sec)

MariaDB [cityinformation]> delete \*from j5 where age>22;

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 j5 where age>22' at line 1

MariaDB [cityinformation]> describe j5;

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

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

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

| name | varchar(20) | YES | | NULL | |

| age | int(2) | YES | | NULL | |

| ID | int(2) | NO | PRI | NULL | |

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

3 rows in set (0.02 sec)

MariaDB [cityinformation]> describe j4;

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

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

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

| name | varchar(20) | YES | | NULL | |

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

| city | varchar(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [cityinformation]> delete \*from j4;

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 j4' at line 1

MariaDB [cityinformation]> delete \* from j4;

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 j4' at line 1

MariaDB [cityinformation]> drop j4;

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 'j4' at line 1

MariaDB [cityinformation]> drop table j4;

Query OK, 0 rows affected (0.11 sec)

MariaDB [cityinformation]> drop table j3;

Query OK, 0 rows affected (0.17 sec)

MariaDB [cityinformation]> drop table j2;

ERROR 1051 (42S02): Unknown table 'cityinformation.j2'

MariaDB [cityinformation]> drop table j5;

Query OK, 0 rows affected (0.16 sec)

MariaDB [cityinformation]> show tables;

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

| Tables\_in\_cityinformation |

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

| citymaster |

| citytest |

| customer |

| customers |

| newcustomers |

| newtable\_j1 |

| persons |

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

7 rows in set (0.00 sec)

MariaDB [cityinformation]> drop newtable\_j1;

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 'newtable\_j1' at line 1

MariaDB [cityinformation]> drop table newtable\_j1;

Query OK, 0 rows affected (0.17 sec)

MariaDB [cityinformation]> drop table newcustomers;

Query OK, 0 rows affected (0.14 sec)

MariaDB [cityinformation]> show tables;

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

| Tables\_in\_cityinformation |

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

| citymaster |

| citytest |

| customer |

| customers |

| persons |

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

5 rows in set (0.00 sec)

MariaDB [cityinformation]> delete from customers;

Query OK, 3 rows affected (0.06 sec)

MariaDB [cityinformation]> select \*from customers;

Empty set (0.00 sec)

MariaDB [cityinformation]>