

Setting environment for using XAMPP for Windows.

730546@128-IMAC26 c:\xampp

mysql -u root -p

Enter password:

ERROR 2003 (HY000): Can't connect to MySQL server on 'localhost' (10061 "Unknown error")

730546@128-IMAC26 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 csd2204w18;
```

```
Query OK, 1 row affected (0.16 sec)
```

```
MariaDB [(none)]> use csd2204w18;
```

```
Database changed
```

```
MariaDB [csd2204w18]> insert into NewCustomers values
```

```
-> (1,"Ashley", "Ash", "32 Washington Street", "WDC", "321200"),  
-> (2,"Bob Marley", "BM", "Keele Street", "Toronto", "100100"),  
-> (3,"Cherlies", "Cher", "329 Empire State Building", "New York", "120134"),  
-> (4,"Denial Jack", "DJ", "Spartan building East", "Brazil", "341020"),  
-> (5,"Donna Newman", "New", "250 Carlson Blvd", "Toronto", "130120"),  
-> (6,"Eston M.", "M.", "21 York Drive", "Toronto", "201023"),  
-> (7,"Bobby Chacko", "Chac", "Kennedy", "New York", "320300"),  
-> (8,"Ashko Charles", "AK", "Washington DC", "USA", "420144"),  
-> (9,"Tony Special", "Specie", "Oakville", "GTA", "418921"),  
-> (10,"Jack SP", "Sparrow", "Oaster Village", "New Jersey", "102301")  
-> exit  
-> ;
```

```
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 'exit' at line 12
```

```
MariaDB [csd2204w18]> insert into customers values
```

```
-> (1,"Ashley", "Ash", "32 Washington Street", "WDC", "321200"),  
-> (2,"Bob Marley", "BM", "Keele Street", "Toronto", "100100"),  
-> (3,"Cherlies", "Cher", "329 Empire State Building", "New York", "120134"),  
-> (4,"Denial Jack", "DJ", "Spartan building East", "Brazil", "341020"),  
-> (5,"Donna Newman", "New", "250 Carlson Blvd", "Toronto", "130120"),  
-> (6,"Eston M.", "M.", "21 York Drive", "Toronto", "201023"),  
-> (7,"Bobby Chacko", "Chac", "Kennedy", "New York", "320300"),
```

```
-> (8,"Ashko Charles", "AK", "Washington DC", "USA", "420144"),
-> (9,"Tony Special", "Specie", "Oakville", "GTA", "418921"),
-> (10,"Jack SP", "Sparrow", "Oaster Village", "New Jersey", "102301")
-> ;
```

ERROR 1146 (42S02): Table 'csd2204w18.customers' doesn't exist

MariaDB [csd2204w18]> create table customers values

```
-> (1,"Ashley", "Ash", "32 Washington Street", "WDC", "321200"),
-> (2,"Bob Marley", "BM", "Keele Street", "Toronto", "100100"),
-> (3,"Cherlies", "Cher", "329 Empire State Building", "New York", "120134"),
-> (4,"Denial Jack", "DJ", "Spartan building East", "Brazil", "341020"),
-> (5,"Donna Newman", "New", "250 Carlson Blvd", "Toronto", "130120"),
-> (6,"Eston M.", "M.", "21 York Drive", "Toronto", "201023"),
-> (7,"Bobby Chacko", "Chac", "Kennedy", "New York", "320300"),
-> (8,"Ashko Charles", "AK", "Washington DC", "USA", "420144"),
-> (9,"Tony Special", "Specie", "Oakville", "GTA", "418921"),
-> (10,"Jack SP", "Sparrow", "Oaster Village", "New Jersey", "102301")
-> ;
```

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 'values

(1,"Ashley", "Ash", "32 Washington Street", "WDC", "321200"),

(2,"Bob Mar' at line 1

MariaDB [csd2204w18]> create table customers values(

```
-> (1,"Ashley", "Ash", "32 Washington Street", "WDC", "321200"),
-> (2,"Bob Marley", "BM", "Keele Street", "Toronto", "100100"),
-> (3,"Cherlies", "Cher", "329 Empire State Building", "New York", "120134"),
-> (4,"Denial Jack", "DJ", "Spartan building East", "Brazil", "341020"),
-> (5,"Donna Newman", "New", "250 Carlson Blvd", "Toronto", "130120"),
-> (6,"Eston M.", "M.", "21 York Drive", "Toronto", "201023"),
-> (7,"Bobby Chacko", "Chac", "Kennedy", "New York", "320300"),
```

```
-> (8,"Ashko Charles", "AK", "Washington DC", "USA", "420144"),
-> (9,"Tony Special", "Specie", "Oakville", "GTA", "418921"),
-> (10,"Jack SP", "Sparrow", "Oaster Village", "New Jersey", "102301")
-> );
```

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 'values('

```
(1,"Ashley", "Ash", "32 Washington Street", "WDC", "321200"),
```

```
(2,"Bob Ma' at line 1
```

MariaDB [csd2204w18]> create table customers;

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

```
MariaDB [csd2204w18]> (1,"Ashley", "Ash", "32 Washington Street", "WDC", "321200"),
```

```
-> (2,"Bob Marley", "BM", "Keele Street", "Toronto", "100100"),
-> (3,"Cherlies", "Cher", "329 Empire State Building", "New York", "120134"),
-> (4,"Denial Jack", "DJ", "Spartan building East", "Brazil", "341020"),
-> (5,"Donna Newman", "New", "250 Carlson Blvd", "Toronto", "130120"),
-> (6,"Eston M.", "M.", "21 York Drive", "Toronto", "201023"),
-> (7,"Bobby Chacko", "Chac", "Kennedy", "New York", "320300"),
-> (8,"Ashko Charles", "AK", "Washington DC", "USA", "420144"),
-> (9,"Tony Special", "Specie", "Oakville", "GTA", "418921"),
-> (10,"Jack SP", "Sparrow", "Oaster Village", "New Jersey", "102301")
-> ;
```

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,"Ashley", "Ash", "32 Washington Street", "WDC", "321200"),

```
(2,"Bob Marley", "B' at line 1
```

MariaDB [csd2204w18]>]> create table customers(customerID int(2),name varchar(20),nickname varchar(10),address varchar(50),city varchar(30),postalcode int(6));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ']> create table customers(customerID int(2),name varchar(20),nickname varchar(10' at line 1

```
MariaDB [csd2204w18]> create table customers(customerID int(2),name varchar(20),nickname  
varchar(10),address varchar(50),city varchar(30),postalcode int(6));
```

Query OK, 0 rows affected (2.83 sec)

```
MariaDB [csd2204w18]> insert into customers values
```

```
-> (1,"Ashley", "Ash", "32 Washington Street", "WDC", "321200"),  
-> (2,"Bob Marley", "BM", "Keele Street", "Toronto", "100100"),  
-> (3,"Cherlies", "Cher", "329 Empire State Building", "New York", "120134"),  
-> (4,"Denial Jack", "DJ", "Spartan building East", "Brazil", "341020"),  
-> (5,"Donna Newman", "New", "250 Carlson Blvd", "Toronto", "130120"),  
-> (6,"Eston M.", "M.", "21 York Drive", "Toronto", "201023"),  
-> (7,"Bobby Chacko", "Chac", "Kennedy", "New York", "320300"),  
-> (8,"Ashko Charles", "AK", "Washington DC", "USA", "420144"),  
-> (9,"Tony Special", "Specie", "Oakville", "GTA", "418921"),  
-> (10,"Jack SP", "Sparrow", "Oaster Village", "New Jersey", "102301")  
-> ;
```

Query OK, 10 rows affected (0.20 sec)

Records: 10 Duplicates: 0 Warnings: 0

```
MariaDB [csd2204w18]> create table CityMaster (
```

```
-> CityID integer(4) primary key,  
-> cityName varchar(255) default 'toronto'  
-> );
```

Query OK, 0 rows affected (0.27 sec)

```
MariaDB [csd2204w18]> 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 (0.65 sec)

MariaDB [csd2204w18]> 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	NULL	BTREE		

1 row in set (0.00 sec)

MariaDB [csd2204w18]> 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	NULL	BTREE		

persons	1	fk_persons	1	CityID	A	0	NULL	NULL	YES	BTREE

```

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

```

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> create table c1 AS select * from customers;

Query OK, 10 rows affected (0.33 sec)

Records: 10 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> show index from customers;

Empty set (0.00 sec)

MariaDB [csd2204w18]> desc c1;

```

+-----+-----+-----+-----+-----+-----+
| Field  | Type  | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| customerID | int(2) | YES | | NULL | |
| name      | varchar(20) | YES | | NULL | |
| nickname  | varchar(10) | YES | | NULL | |
| address   | varchar(50) | YES | | NULL | |
| city      | varchar(30) | YES | | NULL | |
| postalcode | int(6) | YES | | NULL | |
+-----+-----+-----+-----+-----+

```

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select * from c1;

```

+-----+-----+-----+-----+-----+-----+
| customerID | name      | nickname | address          | city      | postalcode |

```

1	Ashley	Ash	32 Washington Street	WDC	321200
2	Bob Marley	BM	Keele Street	Toronto	100100
3	Cherlies	Cher	329 Empire State Building	New York	120134
4	Denial Jack	DJ	Spartan building East	Brazil	341020
5	Donna Newman	New	250 Carlson Blvd	Toronto	130120
6	Eston M.	M.	21 York Drive	Toronto	201023
7	Bobby Chacko	Chac	Kennedy	New York	320300
8	Ashko Charles	AK	Washington DC	USA	420144
9	Tony Special	Specie	Oakville	GTA	418921
10	Jack SP	Sparrow	Oaster Village	New Jersey	102301

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> create table j1 AS select * from persons;

Query OK, 0 rows affected (0.52 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> desc j1;

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]> 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]> create table j2 like persons;

Query OK, 0 rows affected (0.39 sec)

MariaDB [csd2204w18]> 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]> desc j2;

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]> create table c2 like customers;

Query OK, 0 rows affected (0.25 sec)

MariaDB [csd2204w18]> select * from c2;

Empty set (0.00 sec)

MariaDB [csd2204w18]> desc c2;

Field	Type	Null	Key	Default	Extra
customerID	int(2)	YES		NULL	
name	varchar(20)	YES		NULL	
nickname	varchar(10)	YES		NULL	
address	varchar(50)	YES		NULL	
city	varchar(30)	YES		NULL	
postalcode	int(6)	YES		NULL	

6 rows in set (0.01 sec)

MariaDB [csd2204w18]> insert into c2 select* from customers where customerID>3;

Query OK, 7 rows affected (0.06 sec)

Records: 7 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> select * from c2;

customerID	name	nickname	address	city	postalcode
4	Denial Jack	DJ	Spartan building East	Brazil	341020
5	Donna Newman	New	250 Carlson Blvd	Toronto	130120
6	Eston M.	M.	21 York Drive	Toronto	201023
7	Bobby Chacko	Chac	Kennedy	New York	320300
8	Ashko Charles	AK	Washington DC	USA	420144
9	Tony Special	Specie	Oakville	GTA	418921
10	Jack SP	Sparrow	Oaster Village	New Jersey	102301

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE C3 LIKE CUTOMERS;

ERROR 1146 (42S02): Table 'csd2204w18.cutomers' doesn't exist

MariaDB [csd2204w18]> CREATE TABLE C3 LIKE CUSTOMERS;

Query OK, 0 rows affected (0.23 sec)

MariaDB [csd2204w18]> INSERT INTO c3 select * from customers where city='toronto';

Query OK, 3 rows affected (0.07 sec)

Records: 3 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> CREATE TABLE C4 LIKE CUSTOMERS;

Query OK, 0 rows affected (0.23 sec)

MariaDB [csd2204w18]> INSERT INTO c4 select * from customers where name like 'd%';

Query OK, 2 rows affected (0.05 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> select * from c3;

customerID	name	nickname	address	city	postalcode
2	Bob Marley	BM	Keele Street	Toronto	100100
5	Donna Newman	New	250 Carlson Blvd	Toronto	130120
6	Eston M.	M.	21 York Drive	Toronto	201023

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> select * from c4;

customerID	name	nickname	address	city	postalcode
4	Denial Jack	DJ	Spartan building East	Brazil	341020
5	Donna Newman	New	250 Carlson Blvd	Toronto	130120

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE C5 LIKE CUSTOMERS;

Query OK, 0 rows affected (0.36 sec)

MariaDB [csd2204w18]> INSERT INTO c3 select * from customers where city like 'new%';

Query OK, 3 rows affected (0.05 sec)

Records: 3 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> select * from c3;

customerID	name	nickname	address	city	postalcode
2	Bob Marley	BM	Keele Street	Toronto	100100
5	Donna Newman	New	250 Carlson Blvd	Toronto	130120
6	Eston M.	M.	21 York Drive	Toronto	201023
3	Cherlies	Cher	329 Empire State Building	New York	120134
7	Bobby Chacko	Chac	Kennedy	New York	320300
10	Jack SP	Sparrow	Oaster Village	New Jersey	102301

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO c5 select * from customers where name like 'new%';

Query OK, 0 rows affected (0.00 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> select * from c5;

Empty set (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO c5 select * from customers where city like 'new%';

Query OK, 3 rows affected (0.05 sec)

Records: 3 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> select * from c5;

customerID	name	nickname	address	city	postalcode
------------	------	----------	---------	------	------------

customerID	name	nickname	address	city	postalcode
3	Cherlies	Cher	329 Empire State Building	New York	120134
7	Bobby Chacko	Chac	Kennedy	New York	320300
10	Jack SP	Sparrow	Oaster Village	New Jersey	102301

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE C6 LIKE CUSTOMERS;

Query OK, 0 rows affected (0.25 sec)

MariaDB [csd2204w18]> INSERT INTO c5 select * from customers CHECK WHERE customerID>7;

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 'CHECK WHERE customerID>7' at line 1

MariaDB [csd2204w18]> ALTER TABLE CUSTOMERS ADD COLUMN COUNTRY VARCHAR(30);

Query OK, 0 rows affected (0.38 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> DESC COUNTRY;

ERROR 1146 (42S02): Table 'csd2204w18.country' doesn't exist

MariaDB [csd2204w18]> DESC CUSTOMERS;;

Field	Type	Null	Key	Default	Extra
customerID	int(2)	YES		NULL	
name	varchar(20)	YES		NULL	
nickname	varchar(10)	YES		NULL	
address	varchar(50)	YES		NULL	
city	varchar(30)	YES		NULL	

postalcode	int(6)	YES		NULL	
COUNTRY	varchar(30)	YES		NULL	

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

7 rows in set (0.00 sec)

ERROR: No query specified

MariaDB [csd2204w18]> DESC CUSTOMERS;

Field	Type	Null	Key	Default	Extra
customerID	int(2)	YES		NULL	
name	varchar(20)	YES		NULL	
nickname	varchar(10)	YES		NULL	
address	varchar(50)	YES		NULL	
city	varchar(30)	YES		NULL	
postalcode	int(6)	YES		NULL	
COUNTRY	varchar(30)	YES		NULL	

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> 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]> 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]> insert into persons values(1,'potter','harry',17,1);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails
(`csd2204w18`.`persons`, CONSTRAINT `fk_persons` FOREIGN KEY (`CityID`) REFERENCES `citymaster`
(`CityID`))

MariaDB [csd2204w18]> insert into persons values(1,'potter','harry',21,1);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails
(`csd2204w18`.`persons`, CONSTRAINT `fk_persons` FOREIGN KEY (`CityID`) REFERENCES `citymaster`
(`CityID`))

MariaDB [csd2204w18]> insert into citymaster values(1,'brampton');

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204w18]> insert into persons values(1,'potter','harry',21,1);

Query OK, 1 row affected (0.06 sec)


```
MariaDB [csd2204w18]> insert into persons values(1,'kaur','manjot',16,1);
```

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

```
MariaDB [csd2204w18]> insert into persons values(1,'kaur','manjot',16,2);
```

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

```
MariaDB [csd2204w18]> insert into persons values(2,'kaur','manjot',16,1);
```

```
Query OK, 1 row affected (0.05 sec)
```

```
MariaDB [csd2204w18]> 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]> select * from persons;
```

ID	LastName	FirstName	Age	CityID
1	potter	harry	21	1
2	kaur	manjot	16	1

```
2 rows in set (0.00 sec)
```

```
MariaDB [csd2204w18]> select version();
```

version()

```
+-----+
```

```
| 10.1.21-MariaDB |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

```
MariaDB [csd2204w18]> select database();
```

```
+-----+
```

```
| database() |
```

```
+-----+
```

```
| csd2204w18 |
```

```
+-----+
```

```
1 row in set (0.00 sec)
```

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

```
Query OK, 0 rows affected (0.40 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

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

Query OK, 1 row affected (3.17 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> 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]> alter table citymaster change column country state varchar(30);

Query OK, 1 row affected (1.65 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> desc citymaster;

Field	Type	Null	Key	Default	Extra
CityID	int(4)	NO	PRI	NULL	
cityName	varchar(255)	YES		toronto	
state	varchar(30)	YES		NULL	

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> select * from citymaster;

```
+-----+-----+-----+
| CityID | cityName | state |
+-----+-----+-----+
|    1  | brampton | NULL  |
+-----+-----+-----+
```

1 row in set (0.00 sec)

MariaDB [csd2204w18]> alter table citymaster drop column state;

Query OK, 0 rows affected (0.63 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> select * from citymaster;

```
+-----+-----+
| CityID | cityName |
+-----+-----+
|    1  | brampton |
+-----+-----+
```

1 row in set (0.00 sec)

MariaDB [csd2204w18]> desc citymaster;

```
+-----+-----+-----+-----+-----+-----+
| Field  | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| CityID | int(4)    | NO   | PRI | NULL    |      |
| cityName | varchar(255) | YES |     | toronto |      |
+-----+-----+-----+-----+-----+-----+
```

2 rows in set (0.01 sec)

```
MariaDB [csd2204w18]> create table h1(name varchar(20));
```

```
Query OK, 0 rows affected (0.50 sec)
```

```
MariaDB [csd2204w18]> drop table h1;
```

```
Query OK, 0 rows affected (0.28 sec)
```

```
MariaDB [csd2204w18]> show tables;
```

```
+-----+
```

```
| Tables_in_csd2204w18 |
```

```
+-----+
```

```
| c1          |
```

```
| c2          |
```

```
| c3          |
```

```
| c4          |
```

```
| c5          |
```

```
| c6          |
```

```
| citymaster   |
```

```
| customers    |
```

```
| j1          |
```

```
| j2          |
```

```
| persons     |
```

```
+-----+
```

```
11 rows in set (0.00 sec)
```

```
MariaDB [csd2204w18]> desc customers;
```

```
+-----+-----+-----+-----+-----+
```

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

```
+-----+-----+-----+-----+-----+
```

customerID	int(2)	YES	NULL	
name	varchar(20)	YES	NULL	
nickname	varchar(10)	YES	NULL	
address	varchar(50)	YES	NULL	
city	varchar(30)	YES	NULL	
postalcode	int(6)	YES	NULL	
COUNTRY	varchar(30)	YES	NULL	

```
+-----+-----+-----+-----+-----+
```

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> alter table customers add primary key (customerID);

Query OK, 10 rows affected (1.58 sec)

Records: 10 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> DESC CUSTOMERS;

```
+-----+-----+-----+-----+-----+
```

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

```
+-----+-----+-----+-----+-----+
```

customerID	int(2)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
nickname	varchar(10)	YES		NULL	
address	varchar(50)	YES		NULL	
city	varchar(30)	YES		NULL	
postalcode	int(6)	YES		NULL	
COUNTRY	varchar(30)	YES		NULL	

```
+-----+-----+-----+-----+-----+
```

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE TEST AS SELECT * FROMCITYMASTER;

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 'FROMCITYMASTER' at line 1

MariaDB [csd2204w18]> CREATE TABLE TEST AS SELECT * FROM CITYMASTER;

Query OK, 1 row affected (0.33 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> DESC TEST;

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]> alter table TEST add primary key (cITYID);

Query OK, 0 rows affected (0.43 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> DESC TEST;

Field	Type	Null	Key	Default	Extra
CityID	int(4)	NO	PRI	NULL	
cityName	varchar(255)	YES		toronto	

2 rows in set (0.01 sec)

MariaDB [csd2204w18]> ALTER TABLE TEST ADD CONSTRAINT UNIQUE (CITYNAME);

Query OK, 0 rows affected (0.36 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> DESC TEST;

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 [csd2204w18]> DROP TABLE CUSTOMER DROP INDEX COUNTRY;

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 'DROP INDEX COUNTRY' at line 1

MariaDB [csd2204w18]> DROP TABLE CUSTOMER DROP index COUNTRY;

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 'DROP index COUNTRY' at line 1

MariaDB [csd2204w18]> DROP TABLE CUSTOMER drop index COUNTRY;

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 'drop index COUNTRY' at line 1

MariaDB [csd2204w18]> DROP TABLE CUSTOMER drop index country;

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 'drop index country' at line 1

MariaDB [csd2204w18]> DROP TABLE customer drop index country;

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 'drop index country' at line 1

MariaDB [csd2204w18]> alter table customer drop index country;

ERROR 1146 (42S02): Table 'csd2204w18.customer' doesn't exist

MariaDB [csd2204w18]> alter table customers drop index country;

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

MariaDB [csd2204w18]> desc customers;

Field	Type	Null	Key	Default	Extra
customerID	int(2)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
nickname	varchar(10)	YES		NULL	
address	varchar(50)	YES		NULL	
city	varchar(30)	YES		NULL	
postalcode	int(6)	YES		NULL	
COUNTRY	varchar(30)	YES		NULL	

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> alter table customers drop column country;

Query OK, 0 rows affected (1.31 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> desc customers;

Field	Type	Null	Key	Default	Extra
customerID	int(2)	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
nickname	varchar(10)	YES		NULL	
address	varchar(50)	YES		NULL	
city	varchar(30)	YES		NULL	
postalcode	int(6)	YES		NULL	

```
+-----+-----+-----+-----+-----+
```

6 rows in set (0.01 sec)

MariaDB [csd2204w18]> alter table customers drop index country;

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

MariaDB [csd2204w18]> alter table customers modify name varchar(40);

Query OK, 10 rows affected (1.92 sec)

Records: 10 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> desc customers;

```
+-----+-----+-----+-----+-----+
```

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

```
+-----+-----+-----+-----+-----+
```

customerID	int(2)	NO	PRI	NULL	
------------	--------	----	-----	------	--

name	varchar(40)	YES		NULL	
------	-------------	-----	--	------	--

nickname	varchar(10)	YES		NULL	
----------	-------------	-----	--	------	--

address	varchar(50)	YES		NULL	
---------	-------------	-----	--	------	--

city	varchar(30)	YES		NULL	
------	-------------	-----	--	------	--

postalcode	int(6)	YES		NULL	
------------	--------	-----	--	------	--

```
+-----+-----+-----+-----+-----+
```

6 rows in set (0.05 sec)

MariaDB [csd2204w18]> alter table customers drop index city;

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

MariaDB [csd2204w18]> alter table customers add column country varchar(40);

Query OK, 0 rows affected (0.49 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> desc customers;

Field	Type	Null	Key	Default	Extra
customerID	int(2)	NO	PRI	NULL	
name	varchar(40)	YES		NULL	
nickname	varchar(10)	YES		NULL	
address	varchar(50)	YES		NULL	
city	varchar(30)	YES		NULL	
postalcode	int(6)	YES		NULL	
country	varchar(40)	YES		NULL	

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> create index countr on customers(country);

Query OK, 0 rows affected (0.23 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> desc customers;

Field	Type	Null	Key	Default	Extra
customerID	int(2)	NO	PRI	NULL	
name	varchar(40)	YES		NULL	
nickname	varchar(10)	YES		NULL	
address	varchar(50)	YES		NULL	
city	varchar(30)	YES		NULL	
postalcode	int(6)	YES		NULL	
country	varchar(40)	YES	MUL	NULL	

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> show index from customers;

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment
customers	0	PRIMARY	1	customerID	A	10			NULL	BTREE		
customers	1	count	1	country	A	2			NULL	BTREE		

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> alter table customers dropindex country;

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 'country' at line 1

MariaDB [csd2204w18]> alter table customers dropindex countr;

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 'countr' at line 1

MariaDB [csd2204w18]> alter table customers drop index countr;

Query OK, 0 rows affected (0.19 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> desc customers;

Field	Type	Null	Key	Default	Extra
customerID	int(2)	NO	PRI	NULL	

```

| name      | varchar(40) | YES |    | NULL |    |
| nickname  | varchar(10) | YES |    | NULL |    |
| address   | varchar(50) | YES |    | NULL |    |
| city      | varchar(30) | YES |    | NULL |    |
| postalcode | int(6)      | YES |    | NULL |    |
| country   | varchar(40) | YES |    | NULL |    |
+-----+-----+-----+-----+-----+

```

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> show index from customers;

```

+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+
| Table      | Non_unique | Key_name | Seq_in_index | Column_name | Collation | Cardinality |
Sub_part | Packed | Null | Index_type | Comment | Index_comment |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+
| customers |          0 | PRIMARY |           1 | customerID | A         |          10 | NULL | NULL |    |
BTREE      |    |    |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+

```

1 row in set (0.00 sec)

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

ERROR 1025 (HY000): Error on rename of '.\csd2204w18\#sql-1874_2' to '.\csd2204w18\citymaster' (errno: 150 "Foreign key constraint is incorrectly formed")

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

ERROR 1025 (HY000): Error on rename of '.\csd2204w18\#sql-1874_2' to '.\csd2204w18\citymaster' (errno: 150 "Foreign key constraint is incorrectly formed")

MariaDB [csd2204w18]> 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]> update citymaster set name='vancouver' where cityid=1;
```

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

```
MariaDB [csd2204w18]> update citymaster set cityname='vancouver' where cityid=1;
```

```
Query OK, 1 row affected (0.13 sec)
```

```
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [csd2204w18]> 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]> select * from citymaster;
```

CityID	cityName
1	vancouver

```
1 row in set (0.00 sec)
```

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

```
Query OK, 1 row affected (0.05 sec)
```

```
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [csd2204w18]> select * from citymaster;
```

```
+-----+-----+
| CityID | cityName |
+-----+-----+
|    1  | london  |
+-----+-----+
1 row in set (0.00 sec)
```

MariaDB [csd2204w18]> delete from citymaster where cityid=1;

ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails
(`csd2204w18`.`persons`, CONSTRAINT `fk_persons` FOREIGN KEY (`CityID`) REFERENCES `citymaster`
(`CityID`))

MariaDB [csd2204w18]> insert into table citymaster values(
-> 2,'london')
-> ;

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 citymaster values(
2,'london')' at line 1

MariaDB [csd2204w18]> insert into citymaster values(2,'london');
Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> delete from citymaster where cityid=2;
Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> select * from citymaster;

```
+-----+-----+
| CityID | cityName |
+-----+-----+
|    1  | london  |
+-----+-----+
1 row in set (0.00 sec)
```



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

```
ERROR 1025 (HY000): Error on rename of '.\csd2204w18\#sql-1874_2' to '.\csd2204w18\citymaster'
(errno: 150 "Foreign key constraint is incorrectly formed")
```

```
MariaDB [csd2204w18]> select * from persons;
```

```
+----+-----+-----+----+-----+
| ID | LastName | FirstName | Age | CityID |
+----+-----+-----+----+-----+
| 1 | potter   | harry     | 21  | 1       |
| 2 | kaur     | manjot    | 16  | 1       |
+----+-----+-----+----+-----+
```

```
2 rows in set (0.02 sec)
```

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

```
ERROR 1025 (HY000): Error on rename of '.\csd2204w18\#sql-1874_2' to '.\csd2204w18\citymaster'
(errno: 150 "Foreign key constraint is incorrectly formed")
```

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

```
ERROR 1025 (HY000): Error on rename of '.\csd2204w18\#sql-1874_2' to '.\csd2204w18\citymaster'
(errno: 150 "Foreign key constraint is incorrectly formed")
```

```
MariaDB [csd2204w18]> alter table persons drop foreign 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 [csd2204w18]> alter table persons drop contraint foreign 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 'foreign key' at line 1
```

```
MariaDB [csd2204w18]> delete from persons;
```

```
Query OK, 2 rows affected (0.13 sec)
```

DAY_5

SQL_COMMANDS

MariaDB [csd2204w18]>