Setting environment for using XAMPP for Windows.

TuanLeVan@DESKTOP-L55FR95 c:\xampp

# mysql -u root -q

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

Your MySQL connection id is 52

Server version: 5.6.26 MySQL Community Server (GPL)

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owners.

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

mysql> show databases;

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

| Database |

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

| information\_schema |

| cdcol |

| citymaster |

| csd2204w18 |

| mysql |

| performance\_schema |

| persons |

| phpmyadmin |

| something |

| test |

| webauth |

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

11 rows in set (0.00 sec)

mysql> use csd2204w18;

Database changed

mysql> show tables;

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

| Tables\_in\_csd2204w18 |

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

| c1 |

| c2 |

| citymaster |

| customers |

| j3 |

| persons |

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

6 rows in set (0.00 sec)

mysql> select \* from CityMaster;

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

| CityID | cityName |

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

| 1 | Toronto |

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

1 row in set (0.00 sec)

mysql> Select \* from Persons;

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

| ID | LastName | FirstName | Age | CityID |

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

| 1 | Tuan | NULL | 23 | 1 |

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

1 row in set (0.00 sec)

mysql> desc CityMaster;

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

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

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

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2 rows in set (0.01 sec)

mysql>

mysql> select \* Persons;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'Persons' at line 1

mysql> select \* from persons;

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

| ID | LastName | FirstName | Age | CityID |

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

| 1 | Tuan | NULL | 23 | 1 |

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

1 row in set (0.00 sec)

mysql> insert into Persons( ID,LastName,Age,CityID) Values(2,'Trang',22,2);

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`))

mysql> show CityMaster;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'CityMaster' at line 1

mysql> select \* from CityMaster;

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

| CityID | cityName |

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

| 1 | Toronto |

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

1 row in set (0.00 sec)

mysql> insert into CityMaster(CityID,cityName) values(2,'Missisauga');

Query OK, 1 row affected (0.06 sec)

mysql> insert into CityMaster(CityID,cityName) values(3,'Missisauga');

Query OK, 1 row affected (0.06 sec)

mysql> insert into CityMaster(CityID,cityName) values(4,'QUEBEC');

Query OK, 1 row affected (0.04 sec)

mysql> select \* from Persons;

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

| ID | LastName | FirstName | Age | CityID |

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

| 1 | Tuan | NULL | 23 | 1 |

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

1 row in set (0.00 sec)

mysql> Insert into Persons(ID,LastName,Age,CityID) Values(2,'Trang',22,2);

Query OK, 1 row affected (0.06 sec)

mysql> Insert into Persons(ID,LastName,Age,CityID) Values(2,'Thi',27,2);

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

mysql> Insert into Persons(ID,LastName,Age,CityID) Values(3,'Thi',27,2);

Query OK, 1 row affected (0.07 sec)

mysql> Insert into Persons(ID,LastName,Age,CityID) Values(4,'Anna',25,2);

Query OK, 1 row affected (0.06 sec)

mysql> Select \* from Persons;

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

| ID | LastName | FirstName | Age | CityID |

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

| 1 | Tuan | NULL | 23 | 1 |

| 2 | Trang | NULL | 22 | 2 |

| 3 | Thi | NULL | 27 | 2 |

| 4 | Anna | NULL | 25 | 2 |

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

4 rows in set (0.00 sec)

mysql> insert into CityMaster(CityID,cityName) values(5,'MonTreal');

Query OK, 1 row affected (0.03 sec)

mysql> Insert into Persons(ID,LastName,Age,CityID) Values(5,'Lena',25,2);

Query OK, 1 row affected (0.05 sec)

mysql> select \* from Persons;

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

| ID | LastName | FirstName | Age | CityID |

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

| 1 | Tuan | NULL | 23 | 1 |

| 2 | Trang | NULL | 22 | 2 |

| 3 | Thi | NULL | 27 | 2 |

| 4 | Anna | NULL | 25 | 2 |

| 5 | Lena | NULL | 25 | 2 |

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

5 rows in set (0.00 sec)

mysql> Alter table CityMaster;

Query OK, 0 rows affected (0.00 sec)

mysql> ADD COLUMN country;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'ADD COLUMN country' at line 1

mysql> alter table CityMaster Add column country varchar;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1

mysql> alter table CityMaster Add column country varchar(100);

Query OK, 0 rows affected (0.56 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select\*from CityMaster;

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

| CityID | cityName | country |

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

| 1 | Toronto | NULL |

| 2 | Missisauga | NULL |

| 3 | Missisauga | NULL |

| 4 | QUEBEC | NULL |

| 5 | MonTreal | NULL |

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

5 rows in set (0.00 sec)

mysql> alter table Persons Add column varchar(100);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'varchar(100)' at line 1

mysql> alter table cust modify column postalCode varchar)(6);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ')(6)' at line 1

mysql> alter table CityMaster cust modify column postalCode varchar)(6);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'cust modify column postalCode varchar)(6)' at line 1

mysql> alter table CityMaster modify column postalCode varchar)(6);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ')(6)' at line 1

mysql> alter table CityMaster modify column postalCode varchar(6);

ERROR 1054 (42S22): Unknown column 'postalCode' in 'citymaster'

mysql> alter table CityMaster modify column Cityname varchar(6);

Query OK, 5 rows affected, 4 warnings (0.93 sec)

Records: 5 Duplicates: 0 Warnings: 4

mysql> alter table CityMaster CHANGE COLUMN Cityname province varchar(20);

Query OK, 5 rows affected (0.93 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> talter table CityMaster DROP COLUMN CityID

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'talter table CityMaster DROP COLUMN CityID' at line 1

mysql> talter table CityMaster DROP COLUMN CityID;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'talter table CityMaster DROP COLUMN CityID' at line 1

mysql> talter table CityMaster DROP COLUMN country;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'talter table CityMaster DROP COLUMN country' at line 1

mysql> alter table CityMaster DROP COLUMN country;

Query OK, 0 rows affected (0.54 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \* from CityMaster;

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

| CityID | province |

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

| 1 | Toront |

| 2 | Missis |

| 3 | Missis |

| 4 | QUEBEC |

| 5 | MonTre |

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

5 rows in set (0.00 sec)

mysql> alter table CityMaster add primary key(ID);

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

mysql> alter table CityMaster add primary key(CityID);

ERROR 1068 (42000): Multiple primary key defined

mysql> alter table CityMaster add primary key(MyID);

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

mysql> alter table CityMaster add primary key(rovince);

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

mysql> alter table CityMaster add primary key(CityID);

ERROR 1068 (42000): Multiple primary key defined

mysql> alter table CityMaster add column Postalcode int(2) Unique;

Query OK, 0 rows affected (2.33 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select\*from CityMaster;

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

| CityID | province | Postalcode |

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

| 1 | Toront | NULL |

| 2 | Missis | NULL |

| 3 | Missis | NULL |

| 4 | QUEBEC | NULL |

| 5 | MonTre | NULL |

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5 rows in set (0.00 sec)

mysql> insert into CityMaster(Postalcode) values(23);

Query OK, 1 row affected, 1 warning (0.09 sec)

mysql> insert into CityMaster(Postalcode) values(24);

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

mysql> select\*from CityMaster;

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

| CityID | province | Postalcode |

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

| 0 | NULL | 23 |

| 1 | Toront | NULL |

| 2 | Missis | NULL |

| 3 | Missis | NULL |

| 4 | QUEBEC | NULL |

| 5 | MonTre | NULL |

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

6 rows in set (0.00 sec)

mysql> alter table CityMaster add primary key(Postalcode);

ERROR 1068 (42000): Multiple primary key defined

mysql> update CityMaster Set Postalcode2 = value24;

ERROR 1054 (42S22): Unknown column 'Postalcode2' in 'field list'

mysql> update CityMaster Set Postalcode = 24;

ERROR 1062 (23000): Duplicate entry '24' for key 'Postalcode'

mysql> update CityMaster Set Postalcode = 24 WHERE condition;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'condition' at line 1

mysql> update CityMaster Set Postalcode = 'M24' WHERE CityID = 2;

Query OK, 1 row affected, 1 warning (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 1

mysql> select\*from CityMaster;

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

| CityID | province | Postalcode |

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

| 0 | NULL | 23 |

| 1 | Toront | NULL |

| 2 | Missis | 0 |

| 3 | Missis | NULL |

| 4 | QUEBEC | NULL |

| 5 | MonTre | NULL |

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

6 rows in set (0.00 sec)

mysql> update CityMaster Set Postalcode = 25 WHERE CityID = 2;

Query OK, 1 row affected (0.06 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from CityMaster;

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

| CityID | province | Postalcode |

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

| 0 | NULL | 23 |

| 1 | Toront | NULL |

| 2 | Missis | 25 |

| 3 | Missis | NULL |

| 4 | QUEBEC | NULL |

| 5 | MonTre | NULL |

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6 rows in set (0.00 sec)

mysql> update CityMaster Set Postalcode = 24 CityID = 1;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'CityID = 1' at line 1

mysql> update CityMaster Set Postalcode = 24 CityID = 1;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'CityID = 1' at line 1

mysql> update CityMaster Set Postalcode = 24 Where CityID = 1;

Query OK, 1 row affected (0.13 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update CityMaster Set Postalcode = 26 Where CityID = 3;

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update CityMaster Set Postalcode = 27 Where CityID = 4;

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update CityMaster Set Postalcode = 28 Where CityID = 5;

Query OK, 1 row affected (0.05 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select\*from CityMaster;

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

| CityID | province | Postalcode |

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

| 0 | NULL | 23 |

| 1 | Toront | 24 |

| 2 | Missis | 25 |

| 3 | Missis | 26 |

| 4 | QUEBEC | 27 |

| 5 | MonTre | 28 |

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

6 rows in set (0.00 sec)

mysql> alter table CityMaster add primary key (Postalcode);

ERROR 1068 (42000): Multiple primary key defined

mysql> alter table CityMaster modify(40) NOT NULL;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '(40) NOT NULL' at line 1

mysql> alter table CityMaster modify name varchar(40);

ERROR 1054 (42S22): Unknown column 'name' in 'citymaster'

mysql> alter table CityMaster Drop index province;

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

mysql> alter table CityMaster Drop index CityID;

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

mysql> select\*from Persons;

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

| ID | LastName | FirstName | Age | CityID |

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

| 1 | Tuan | NULL | 23 | 1 |

| 2 | Trang | NULL | 22 | 2 |

| 3 | Thi | NULL | 27 | 2 |

| 4 | Anna | NULL | 25 | 2 |

| 5 | Lena | NULL | 25 | 2 |

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

5 rows in set (0.00 sec)

mysql> select\*from CityMaster;

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

| CityID | province | Postalcode |

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

| 0 | NULL | 23 |

| 1 | Toront | 24 |

| 2 | Missis | 25 |

| 3 | Missis | 26 |

| 4 | QUEBEC | 27 |

| 5 | MonTre | 28 |

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

6 rows in set (0.00 sec)

mysql> delete from CityMaster Where Postalcode

-> ;

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`))

mysql> delete from CityMaster Where Postalcode;

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`))

mysql> delete from CityMaster Where province = "NULL";

Query OK, 0 rows affected (0.00 sec)

mysql> select\*from CityMaster;

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

| CityID | province | Postalcode |

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

| 0 | NULL | 23 |

| 1 | Toront | 24 |

| 2 | Missis | 25 |

| 3 | Missis | 26 |

| 4 | QUEBEC | 27 |

| 5 | MonTre | 28 |

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

6 rows in set (0.00 sec)

mysql> delete from CityMaster Where province = "Toronto";

Query OK, 0 rows affected (0.00 sec)

mysql> select\*from CityMaster;

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

| CityID | province | Postalcode |

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

| 0 | NULL | 23 |

| 1 | Toront | 24 |

| 2 | Missis | 25 |

| 3 | Missis | 26 |

| 4 | QUEBEC | 27 |

| 5 | MonTre | 28 |

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

6 rows in set (0.00 sec)

mysql> Drop table CityMaster;

ERROR 1217 (23000): Cannot delete or update a parent row: a foreign key constraint fails

mysql> select\*from CityMaster;

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

| CityID | province | Postalcode |

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

| 0 | NULL | 23 |

| 1 | Toront | 24 |

| 2 | Missis | 25 |

| 3 | Missis | 26 |

| 4 | QUEBEC | 27 |

| 5 | MonTre | 28 |

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6 rows in set (0.13 sec)

mysql> Drop table CityMaster;

ERROR 1217 (23000): Cannot delete or update a parent row: a foreign key constraint fails

mysql>