

ASYNCHRONOUS ACTIVITY

```
Command Prompt - mysql.exe -u root
Microsoft Windows [Version 10.0.22621.674]
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C:\Users\Matt>cd C:\xampp\mysql\bin

C:\xampp\mysql\bin>mysql.exe -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 10
Server version: 10.4.25-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]>
```

1. **Using the create command:** Create a database named dbTrimexColleges

```
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C:\xampp\mysql\bin>mysql.exe -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database dbTrimexColleges;
Query OK, 1 row affected (0.006 sec)

MariaDB [(none)]> show databases
-> ;
+-----+
| Database |
+-----+
| dbtrimexcolleges |
| information_schema |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.026 sec)

MariaDB [(none)]>
```

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2. Following number 2:

- a. **Using the Create Table commands** : Create a table named locations with the following fields **location_id**, **street_address**, **postal_code**, **city**, **state_province**, **country_id**

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Command Prompt - mysql.exe -u root

MariaDB [(none)]> use dbTrimexColleges;
Database changed
MariaDB [dbTrimexColleges]> create table tblLocations(Location_ID varchar(255), Street_Address varchar(255), Postal_Code
varchar(255), City varchar(255), State_Province varchar(255), Country_ID varchar
-> (255));
Query OK, 0 rows affected (0.049 sec)

MariaDB [dbTrimexColleges]> show tables;
+-----+
| Tables_in_dbtrimexcolleges |
+-----+
| tbllocations                |
+-----+
1 row in set (0.003 sec)

MariaDB [dbTrimexColleges]> describe tbllocations;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Location_ID    | varchar(255)  | YES  |     | NULL    |       |
| Street_Address | varchar(255)  | YES  |     | NULL    |       |
| Postal_Code    | varchar(255)  | YES  |     | NULL    |       |
| City           | varchar(255)  | YES  |     | NULL    |       |
| State_Province | varchar(255)  | YES  |     | NULL    |       |
| Country_ID     | varchar(255)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.018 sec)

MariaDB [dbTrimexColleges]>
```

- b. **Using the Create Table commands** : Create a table named countries with the following fields **country_id**, **country_name**, **region_id**

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+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| City           | varchar(255)  | YES  |     | NULL    |       |
| State_Province | varchar(255)  | YES  |     | NULL    |       |
| Country_ID     | varchar(255)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.018 sec)

MariaDB [dbTrimexColleges]> create table tblCountries(Country_ID varchar(255), Country_Name varchar(255), Region_ID varc
har(255));
Query OK, 0 rows affected (0.040 sec)

MariaDB [dbTrimexColleges]> show tables;
+-----+
| Tables_in_dbtrimexcolleges |
+-----+
| tblcountries               |
| tbllocations               |
+-----+
2 rows in set (0.001 sec)

MariaDB [dbTrimexColleges]> describe tblcountries;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Country_ID     | varchar(255)  | YES  |     | NULL    |       |
| Country_Name   | varchar(255)  | YES  |     | NULL    |       |
| Region_ID      | varchar(255)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.013 sec)

MariaDB [dbTrimexColleges]>
```

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3. **Using the SQL INSERT COMMAND** : Insert 5 data on the tables created on **a** and **b**
4. **Using the SQL SELECT COMMAND** : Select All the data on table **locations** and **countries**

```
Command Prompt - mysql.exe -u root
Connection id: 11
Current database: dbTrimexColleges

Query OK, 1 row affected (0.114 sec)

MariaDB [dbTrimexColleges]> insert into tblLocations(Location_ID, Street_Address, Postal_Code, City, State_Province, Country_ID) values ("2222", "Silver", "4020", "Sta.Rosa", "Laguna", "Phil");
Query OK, 1 row affected (0.006 sec)

MariaDB [dbTrimexColleges]> insert into tblLocations(Location_ID, Street_Address, Postal_Code, City, State_Province, Country_ID) values ("3333", "Aluminum", "4010", "New York", "Old York", "America");
Query OK, 1 row affected (0.008 sec)

MariaDB [dbTrimexColleges]> insert into tblLocations(Location_ID, Street_Address, Postal_Code, City, State_Province, Country_ID) values ("4444", "Platinum", "4000", "Timbao", "France", "Brazil");
Query OK, 1 row affected (0.008 sec)

MariaDB [dbTrimexColleges]> select * from tblLocations;
+-----+-----+-----+-----+-----+-----+
| Location_ID | Street_Address | Postal_Code | City | State_Province | Country_ID |
+-----+-----+-----+-----+-----+-----+
| 0000 | Diamond | 4024 | Biñan | Laguna | Phil |
| 1111 | Gold | 4022 | Lucban | Quezon | Phil |
| 2222 | Silver | 4020 | Sta.Rosa | Laguna | Phil |
| 3333 | Aluminum | 4010 | New York | Old York | America |
| 4444 | Platinum | 4000 | Timbao | France | Brazil |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.014 sec)

MariaDB [dbTrimexColleges]>
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```
Command Prompt - mysql.exe -u root
+-----+-----+-----+
| Country_ID | Country_Name | Region_ID |
+-----+-----+-----+
| 2269 | Japan | 2959 |
| 8267 | Philippines | 3942 |
| 2011 | America | 5060 |
+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [dbTrimexColleges]> insert into tblCountries(Country_ID, Country_Name, Region_ID) values ("8092", "Thailand", "9912");
Query OK, 1 row affected (0.008 sec)

MariaDB [dbTrimexColleges]> insert into tblCountries(Country_ID, Country_Name, Region_ID) values ("3596", "Singapore", "6283");
Query OK, 1 row affected (0.008 sec)

MariaDB [dbTrimexColleges]> select * from tblCountries;
+-----+-----+-----+
| Country_ID | Country_Name | Region_ID |
+-----+-----+-----+
| 2269 | Japan | 2959 |
| 8267 | Philippines | 3942 |
| 2011 | America | 5060 |
| 8092 | Thailand | 9912 |
| 3596 | Singapore | 6283 |
+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [dbTrimexColleges]>
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5. **Using the SQL UPDATE COMMAND** : Update 1 record on the countries table and discuss the changes

```
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MariaDB [dbTrimexColleges]> select * from tblCountries;
+-----+-----+-----+
| Country_ID | Country_Name | Region_ID |
+-----+-----+-----+
| 2269       | Japan        | 2959       |
| 8267       | Philippines  | 3942       |
| 2011       | America      | 5060       |
| 8092       | Thailand     | 9912       |
| 3596       | Singapore    | 6283       |
+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [dbTrimexColleges]> update tblCountries set Country_Name = "Philippines" where Country_ID = 2269;
Query OK, 1 row affected (0.025 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [dbTrimexColleges]> select * from tblCountries;
+-----+-----+-----+
| Country_ID | Country_Name | Region_ID |
+-----+-----+-----+
| 2269       | Philippines   | 2959       |
| 8267       | Philippines   | 3942       |
| 2011       | America       | 5060       |
| 8092       | Thailand      | 9912       |
| 3596       | Singapore     | 6283       |
+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [dbTrimexColleges]>
```

I updated the Country Name Japan to Philippines.

6. **Using the SQL DELETE COMMAND** : Delete all records on the locations table and discuss the changes

```
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MariaDB [dbTrimexColleges]> select * from tblCountries;
+-----+-----+-----+
| Country_ID | Country_Name | Region_ID |
+-----+-----+-----+
| 8267       | Philippines   | 3942       |
| 2011       | America       | 5060       |
| 8092       | Thailand      | 9912       |
| 3596       | Singapore     | 6283       |
+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [dbTrimexColleges]> update tblCountries set Country_Name = "Philippines" where Country_ID = 2269;
Query OK, 1 row affected (0.025 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [dbTrimexColleges]> select * from tblCountries;
+-----+-----+-----+
| Country_ID | Country_Name | Region_ID |
+-----+-----+-----+
| 2269       | Philippines   | 2959       |
| 8267       | Philippines   | 3942       |
| 2011       | America       | 5060       |
| 8092       | Thailand      | 9912       |
| 3596       | Singapore     | 6283       |
+-----+-----+-----+
5 rows in set (0.001 sec)

MariaDB [dbTrimexColleges]> truncate tblLocations;
Query OK, 0 rows affected (0.104 sec)

MariaDB [dbTrimexColleges]> select * from tblLocations;
Empty set (0.001 sec)

MariaDB [dbTrimexColleges]>
```

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All data in the location table are now empty.