

To begin our 30 day challenge we need a sample database to work with in our MySQL Server
I am assuming that you have already installed and set up MySQL on your computer. If not then go ahead and do so.

So the first thing we need to do is to set up our sample database known as **world**.
The world database is a sample database provided on the official MySQL website and gives developers a sample dataset to practice their SQL knowledge on. You can read more about it here (<https://dev.mysql.com/doc/world-setup/en/world-setup-preface.html>)

I have provided the **world.sql** file and all you have to do is copy/cut it into your sql projects/practice folder. If you don't have such a folder , go ahead and create one.

1.Next , you Connect to the MySQL server using the **mysql** command-line client with the following command: `mysql -u root -p`

Enter your password when prompted. If you are using a non-**root** account , make sure that the account you have used has privileges to create new databases.

2. Next after successfully logging into your MySQL client in the terminal,
Execute the `world.sql` script to create the database structure and insert the data using the following command:
`mysql> SOURCE C:/temp/world.sql;`

Replace the path to the `world.sql` file with the actual path on your system.

For example on my Linux machine the command looked like this:

```
mysql> SOURCE /home/meshgithinji/Tests/SQL/world.sql;
```

confirm the path to your **world.sql** file

Note : On Windows, use slashes rather than backslashes when executing the **SOURCE** command.

3. To confirm that the sample `world` database is installed correctly, execute the following statements.

First switch to the world database by executing this command : `USE world;`

Now you are in the world database.

Next , Do the `SHOW TABLES;` command you should have 3 tables `city` , `country` and `countrylanguage`

```
mysql> SHOW TABLES;
+-----+
| Tables_in_world |
+-----+
| city             |
| country          |
| countrylanguage  |
+-----+
3 rows in set (0.00 sec)
```

Next ,execute the following command : `SELECT COUNT(*) FROM city;`
You should get a similar output to the one below:

```
mysql> SELECT COUNT(*) FROM city;
+-----+
| COUNT(*) |
+-----+
|      4079 |
+-----+
1 row in set (0.02 sec)
```

Next execute : `SELECT COUNT(*) FROM country;`
You should get a similar output to the one below:

```
mysql> SELECT COUNT(*) FROM country;
+-----+
| COUNT(*) |
+-----+
|      239 |
+-----+
1 row in set (0.01 sec)
```

If you have gotten similar output to the ones in the images then You now have the wor ld sample database installed.

Now we have a sample database we can use to practice our SQL.