

Tutorial Prerequisites

Following you'll find a series of instructions which you are to follow A through Z.

The Why?

This will give you time to take care of any issues you might face while installing or working with MySQL Workbench (I call it "es-kew-el", you can go with "sequel", I will understand). This will save us from spending valuable class time in tending to individual debugging issues.

The When?

This needs to be taken care of before you come to the tutorial class. Preferably a couple of days earlier, again so that you get ample time to smoothen out the creases.

The What?

- Set up a working environment to perform SQL queries in MySQL workbench.
- **(Optional)** Import some rudimentary data into a schema/database, if you want to get started early.

The How?

1. Check what version of windows you are using. If it's a 32-bit OS, I suggest you switch to a 64-bit OS. You are on the path of becoming a data scientist now, the precision is needed. (If you are on a MAC, switch to Windows. XD)
2. Go to the [MySQL Installer Download page](#) and download (**mysql-installer-community-8.0.23.0.msi**) which is around 425 MB. Do not worry, the installer is 32-bit but it will later install everything in 64-bit.
3. Once you have your installer file downloaded, go ahead and start with the installation. You specifically need two packages from the installer, that is MySQL Workbench and MySQL server specific to your OS, i.e. 32 or 64 bit. You are welcome to install other dependencies too, but be sure what you are doing before you do so.
4. Once MySQL shows the packages installed as shown in 1, you are good to go.

The following steps are optional and are there only if you want to go ahead and try some things on your own

5. Go to this [link](#) and download a small csv file. All you have to do is import this data into a MySQL table.

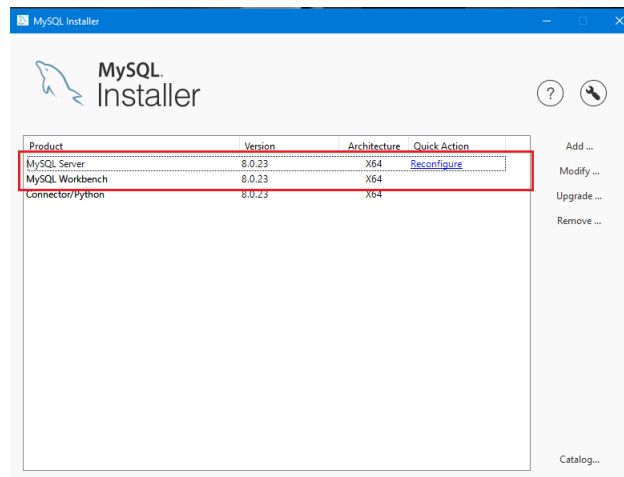


Figure 1: These two should be a part of your installation

6. Log in to a new SQL session being hosted on your local server and create a new schema/database. The command to do this is easily available over the internet. Its just 'CREATE DATABASE [DB_Name]'
7. Create a new table in this schema. There are two ways to do this, either design the table with the column names as given in the CSV file and then populate the table with the data or you can directly import the CSV file as a table by using the Data Import Wizard. You are advised to take some assistance from the internet in figuring out these methods. If you run into some errors, you are welcome to contact me and we can sort it out. If no hiccups, you have achieved SQL Installation *Nirvana*.

The following step is highly optional

8. Given that you have succeeded in creating a database, making a table and populating it with the data, try doing some basic operation on the table. Like view **all** content from the table, view **some** content from the table, find the maximum salary etc etc.

The Result?

Congratulations, you've successfully completed the basic set up of MySQL and the dependencies. Now you can follow along on your machine as and when I take the tutorial class.