

How to set up MYSQL Workbench?

Table of Contents:

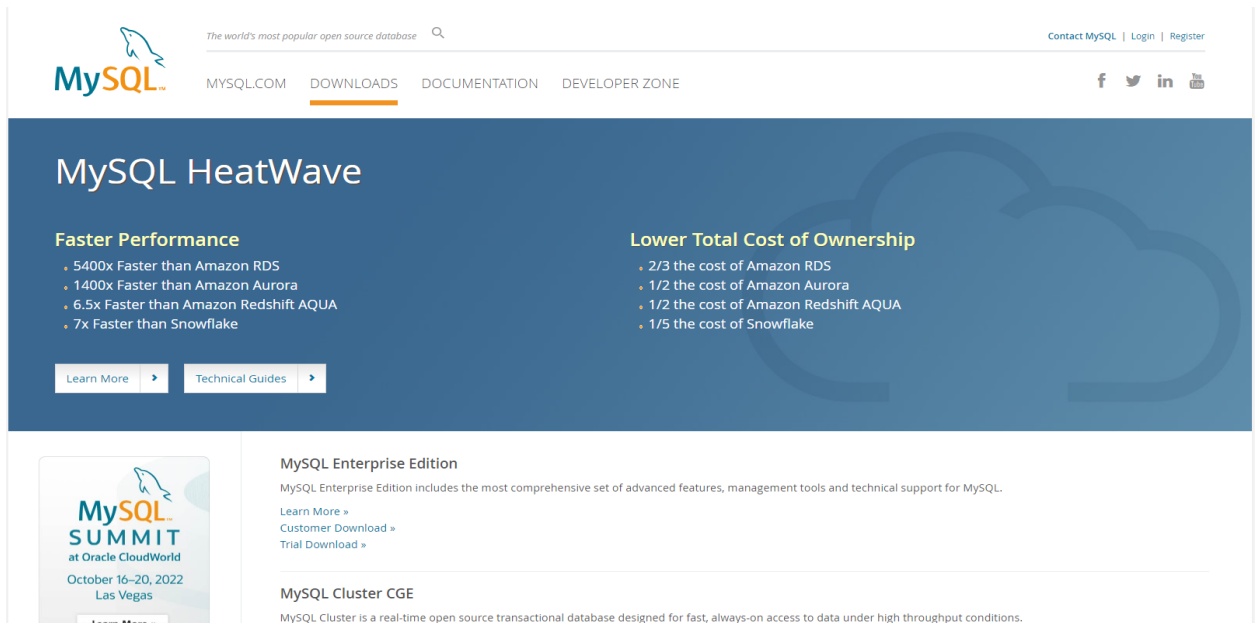
1. Installing MySQL and MySQL Workbench on Windows.
2. Installing MySQL and MySQL Workbench on MacOS.
3. Setting up Farmer's Database on Workbench for all the subsequent lectures

1. For Windows Users

Here, is the step-by-step instructions on how to install the workbench on Windows 10.

1) Open the MySQL website on a browser. Click on the following link: [MySQL Downloads](#).

2) Select the Downloads option on the page.



The screenshot shows the MySQL website homepage. At the top, there is a navigation bar with the MySQL logo, the tagline "The world's most popular open source database", a search icon, and links for "Contact MySQL", "Login", and "Register". Below the navigation bar, there are links for "MYSQL.COM", "DOWNLOADS" (which is highlighted with an orange underline), "DOCUMENTATION", and "DEVELOPER ZONE". Social media icons for Facebook, Twitter, LinkedIn, and YouTube are also present.

The main content area features a large blue banner for "MySQL HeatWave". On the left side of the banner, under the heading "Faster Performance", there is a list of performance metrics: "5400x Faster than Amazon RDS", "1400x Faster than Amazon Aurora", "6.5x Faster than Amazon Redshift AQUA", and "7x Faster than Snowflake". Below this list are two buttons: "Learn More" and "Technical Guides". On the right side of the banner, under the heading "Lower Total Cost of Ownership", there is a list of cost metrics: "2/3 the cost of Amazon RDS", "1/2 the cost of Amazon Aurora", "1/2 the cost of Amazon Redshift AQUA", and "1/5 the cost of Snowflake".

Below the banner, there is a section for "MySQL Enterprise Edition" which includes a description and links for "Learn More", "Customer Download", and "Trial Download". To the left of this section is a promotional graphic for the "MySQL SUMMIT at Oracle CloudWorld" held from October 16-20, 2022, in Las Vegas, with a "Learn More" link. Below the Enterprise Edition section is a section for "MySQL Cluster CGE" with a description and a "Learn More" link.

3) Scroll down to the page where you can find MySQL Community (GPL) Downloads. Click on that and it redirects to the Community Downloads page.

Free Webinars

Oracle MySQL Operator on
Kubernetes
Thursday, May 12, 2022

Oracle MySQL for Beginners
Wednesday, May 18, 2022

Oracle MySQL HeatWave Database
Service for Query Acceleration
Thursday, May 26, 2022

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- MySQL Cluster Manager
- Plus, everything in MySQL Enterprise Edition

[Learn More »](#)

[Customer Download »](#) (Select Patches & Updates Tab, Product Search)

[Trial Download »](#)

[MySQL Community \(GPL\) Downloads »](#)

4) Click on the MySQL installer for Windows.

MySQL Community Downloads

- [MySQL Yum Repository](#)
- [MySQL APT Repository](#)
- [MySQL SUSE Repository](#)
- [MySQL Community Server](#)
- [MySQL Cluster](#)
- [MySQL Router](#)
- [MySQL Shell](#)
- [MySQL Workbench](#)
- [MySQL Installer for Windows](#)
- [MySQL for Visual Studio](#)
- [C API \(libmysqlclient\)](#)
- [Connector/C++](#)
- [Connector/J](#)
- [Connector/NET](#)
- [Connector/Node.js](#)
- [Connector/ODBC](#)
- [Connector/Python](#)
- [MySQL Native Driver for PHP](#)
- [MySQL Benchmark Tool](#)
- [Time zone description tables](#)
- [Download Archives](#)

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5) Choose the desired installer and click on download.

MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases | Archives |

MySQL Installer 8.0.29

Select Operating System:
Microsoft Windows

[Looking for previous GA versions?](#)

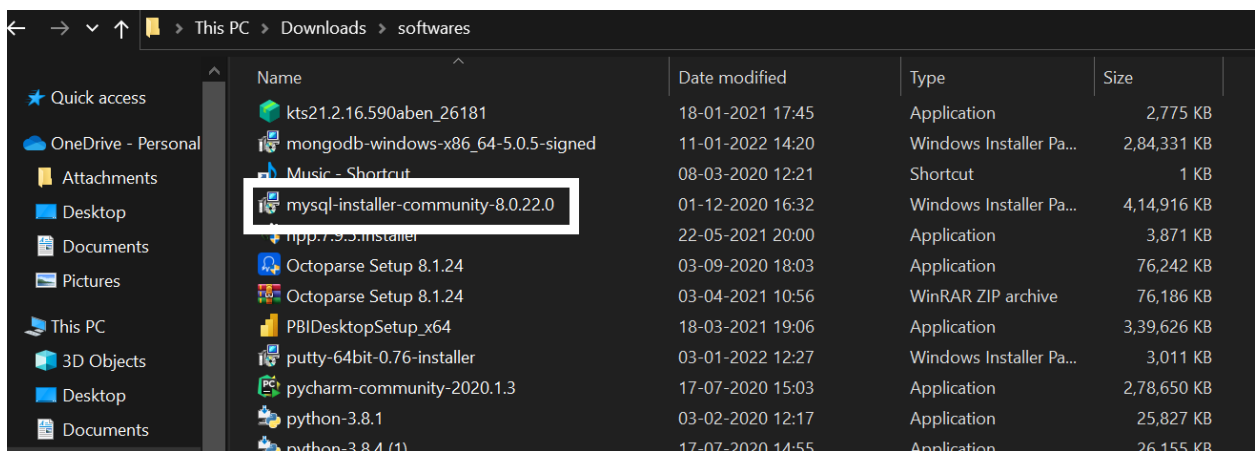
Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.29.0.msi)	8.0.29	2.3M	Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.29.0.msi)	8.0.29	439.6M	Download

We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

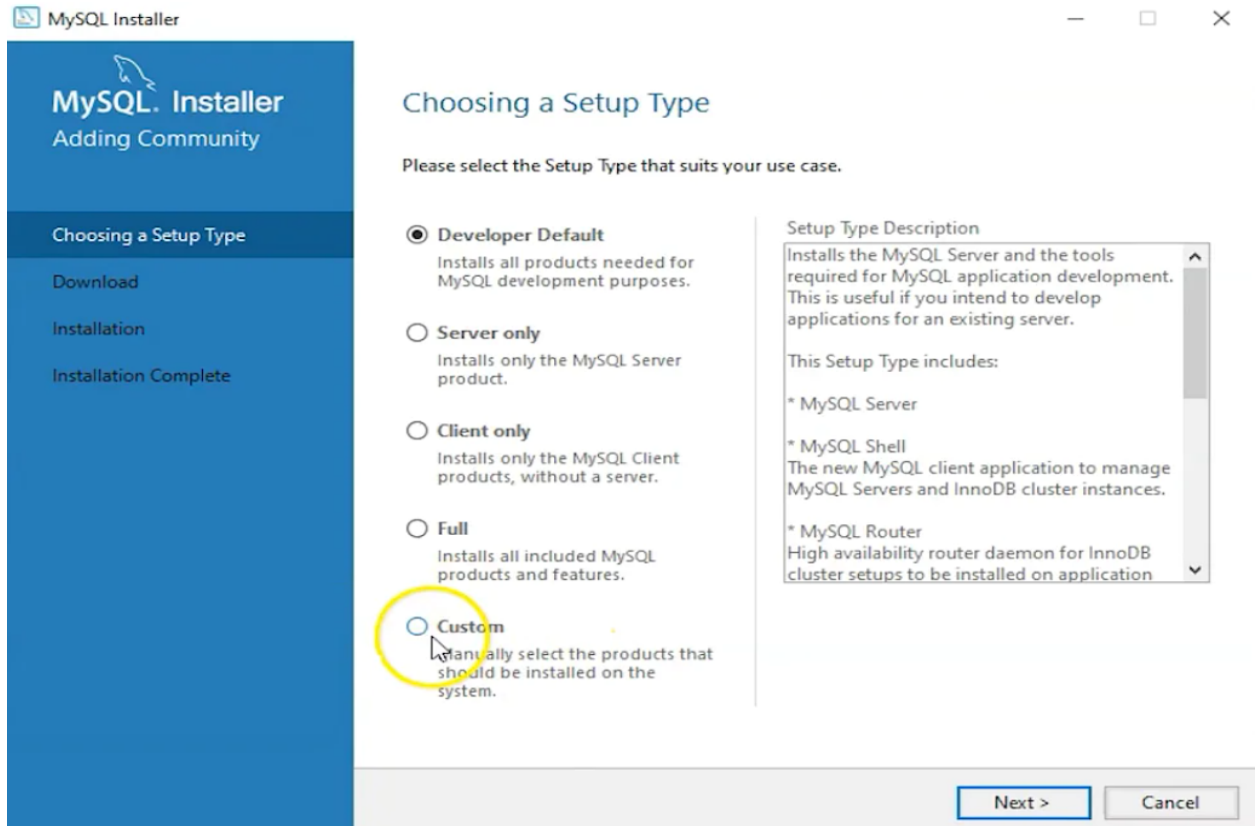
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6) After the download, open the installer.

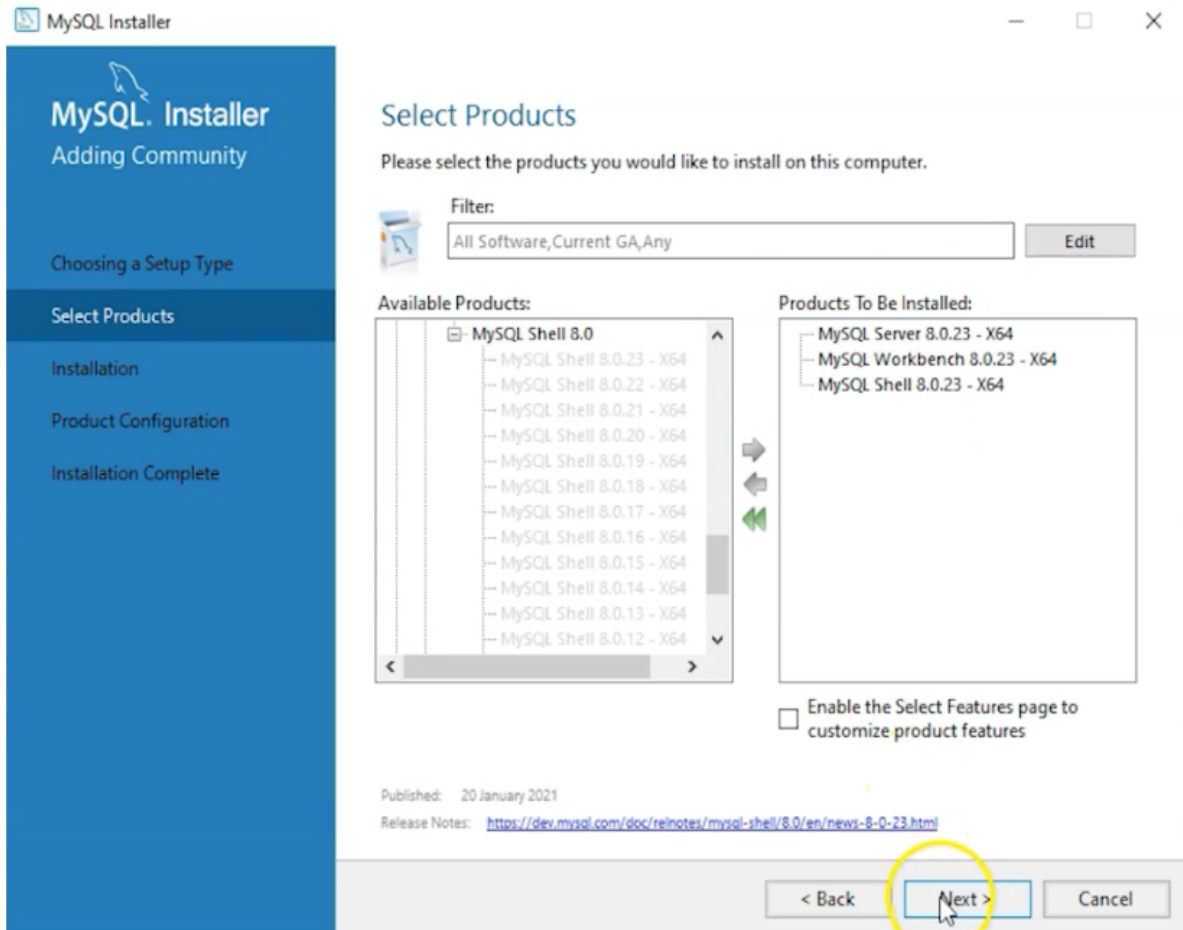


7) It will ask for permission; when it does, click Yes. The installer will then open. Now, it will ask to choose the setup type. Here, you can either choose 'Developer (Default)' OR 'Custom'.

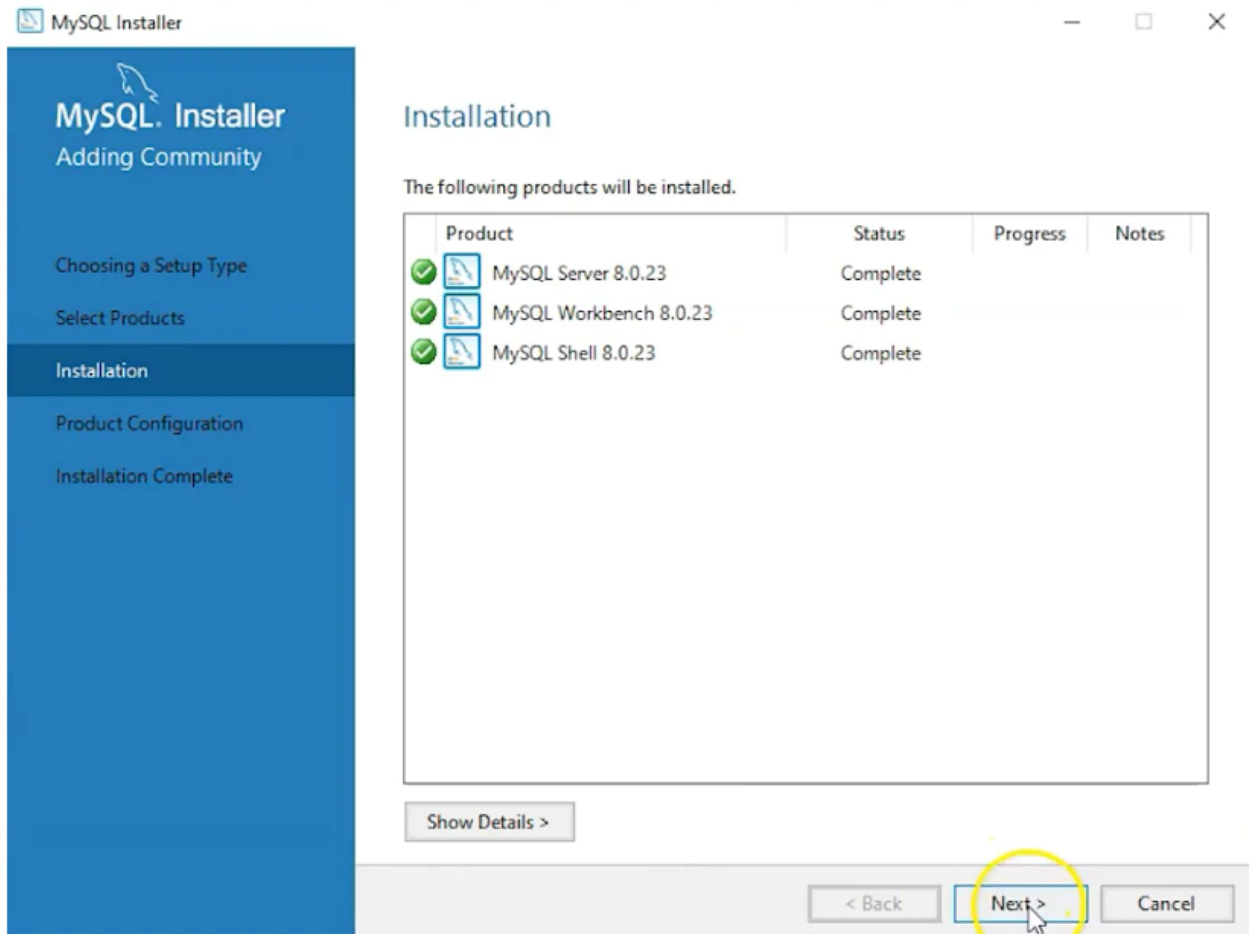


8) Click on Next. With this, you will install MySQL server, MySQL Workbench, and MySQL shell.

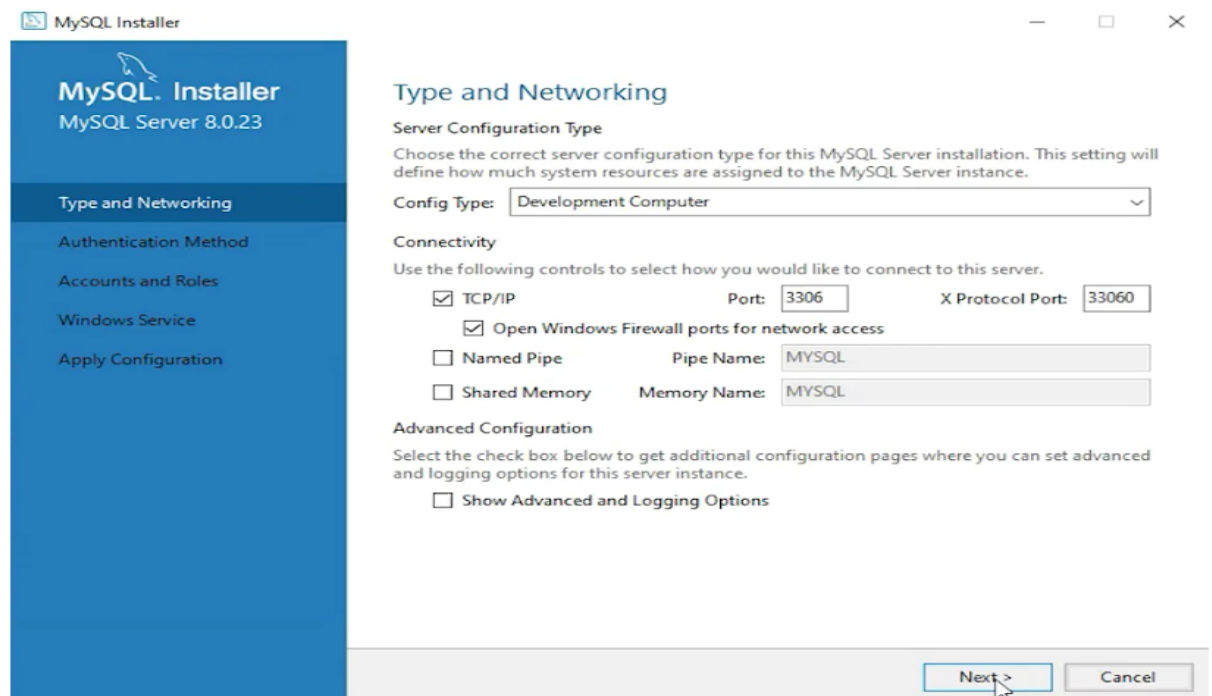
9) Open MySQL Servers, select the server you want to install, and move it to the Products/Features to be installed window section. Now, expand Applications, choose MySQL Workbench and MySQL shell. Move both of them to 'Products/Features to be installed'.



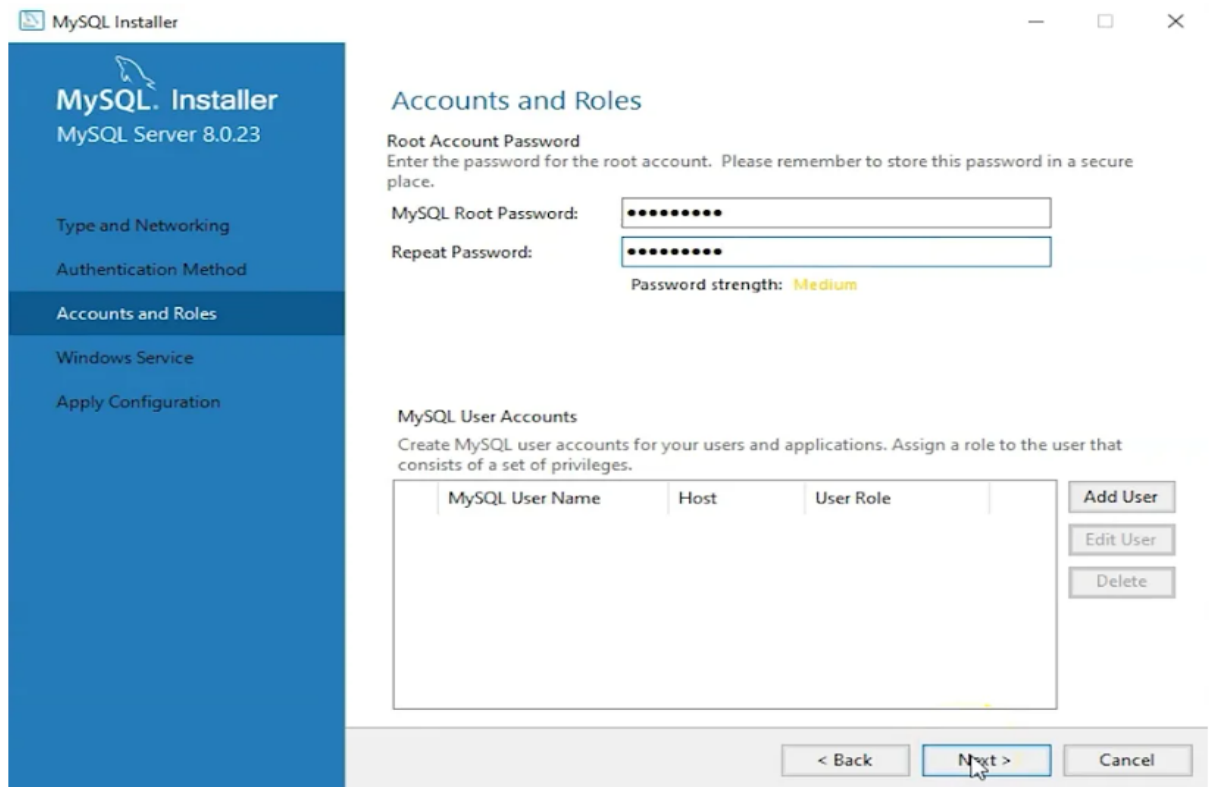
10) Click on the Next button. Now, click on the Execute button to download and install the MySQL server, MySQL Workbench, and the MySQL shell.



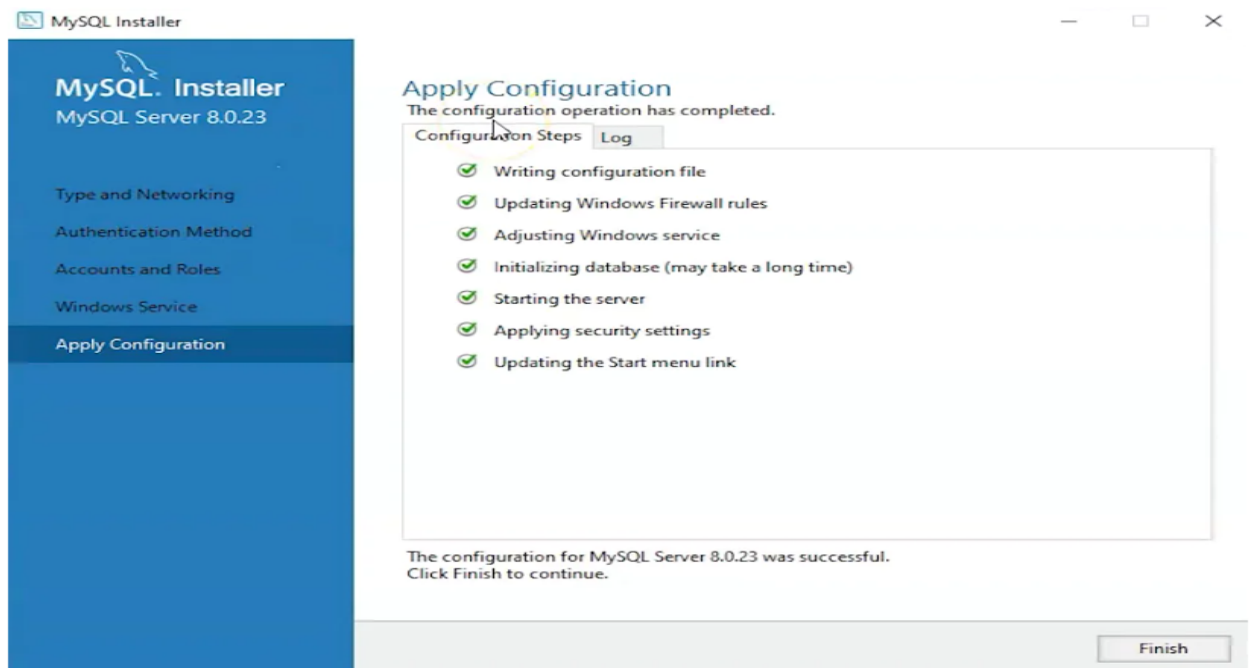
11) Once the product is ready to configure, click on Next. Under Type and Networking, go with the default settings and select Next.



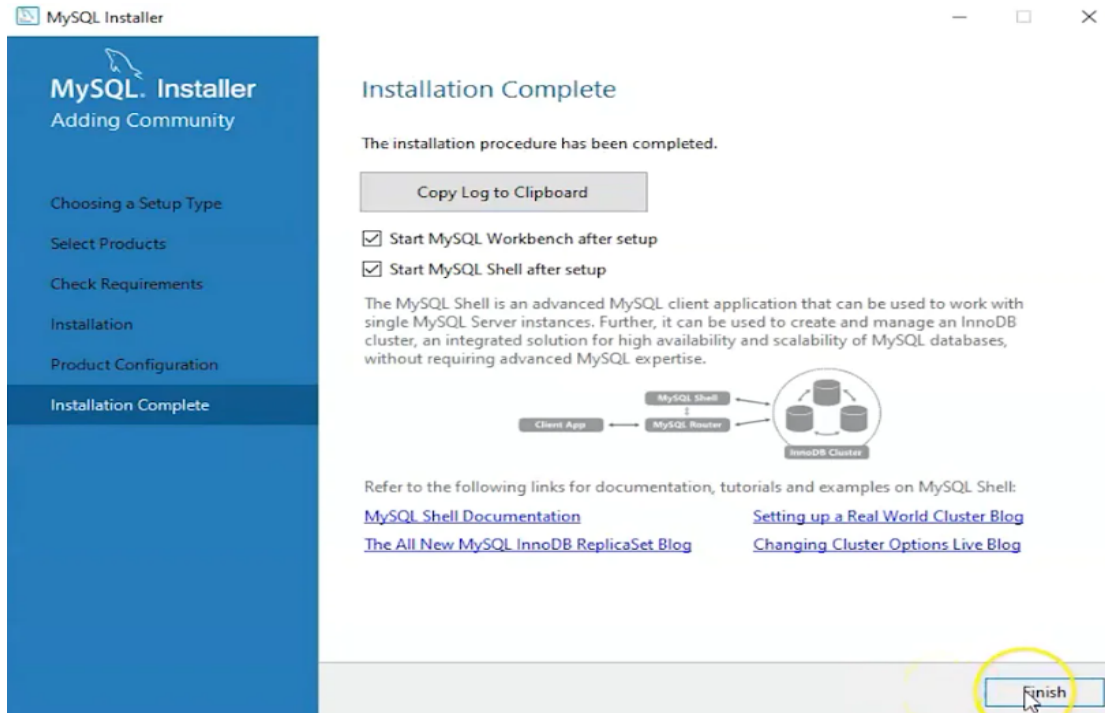
12) Set the root password. For authentication, use the recommended strong password encryption. Upon setting the password click next.



13) Go for the default windows service settings and under the apply configuration, click on execute. Once the configuration is complete, click on finish.



14) Complete the installation. This will now launch the MySQL Workbench and the MySQL Shell.



15) Once MySQL Workbench is installed, select the Local instance and enter the password that you have set before. Now, you can use the MySQL query tab to write your SQL queries.



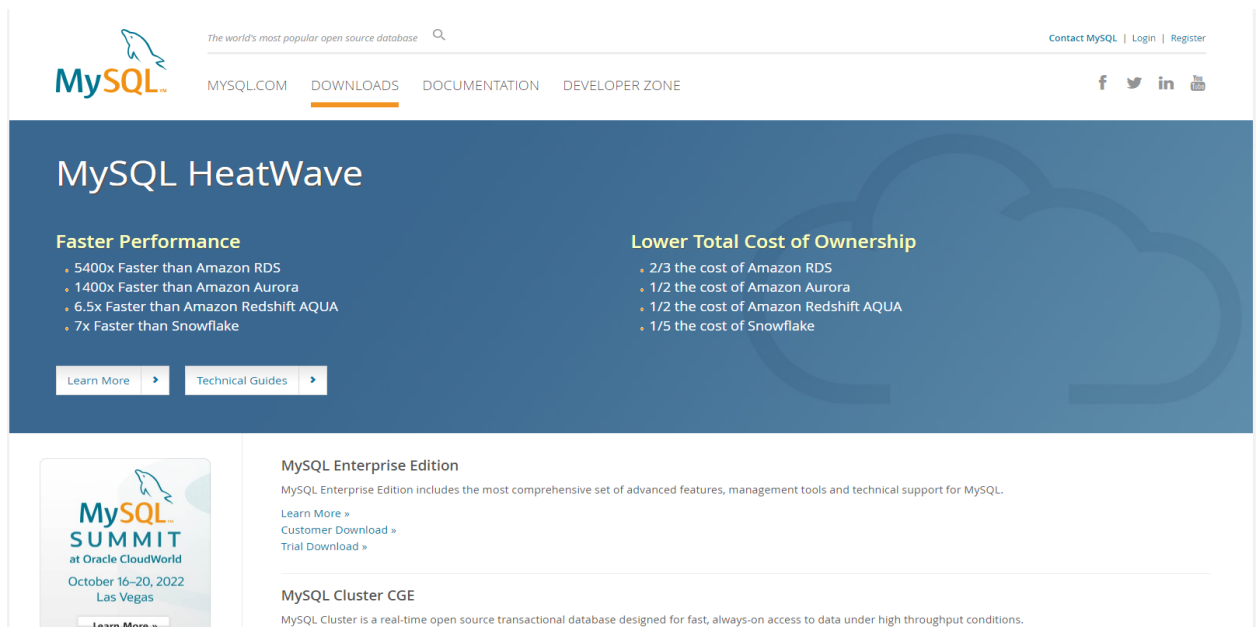
You can also refer to this link for installation of MySQL Workbench on Windows
10: <https://www.youtube.com/watch?v=LnOnzNQnJMU>

2. For Macbook Users

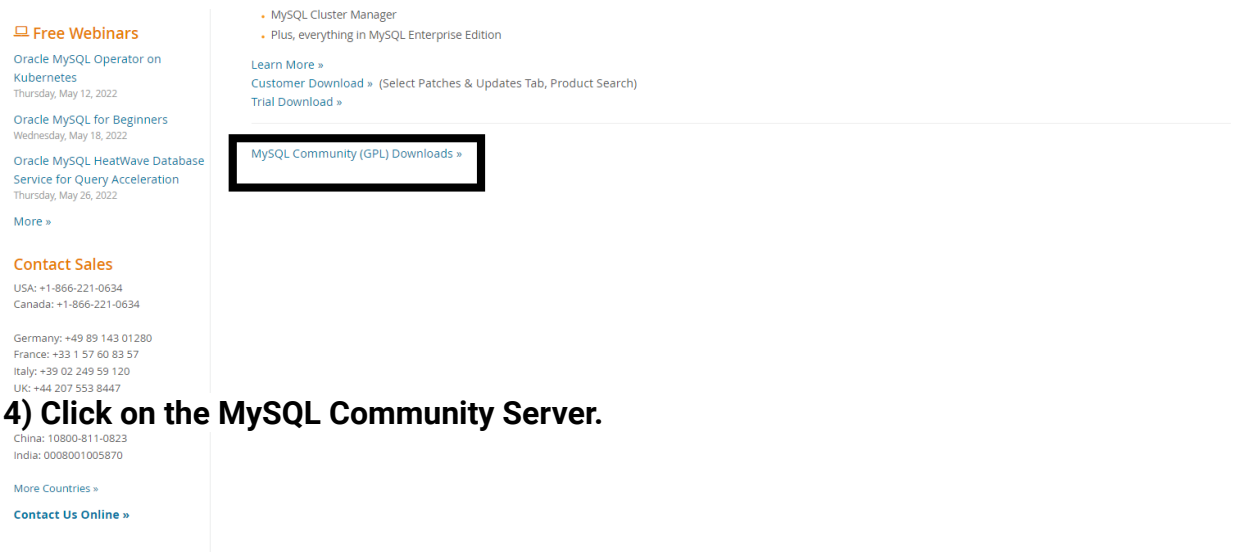
Here, is the step-by-step instructions on how to install it on Mac.

1) Open the MySQL website on a browser. Click on the following link: [MySQL Downloads](#).

2) Select the Downloads option on the page.



3) Scroll down to the page where you can find MySQL Community (GPL) Downloads. Click on that and it redirects to the Community Downloads page.



4) Click on the MySQL Community Server.

MySQL Community Downloads

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository
- **MySQL Community Server**
- MySQL Cluster
- MySQL Router
- MySQL Shell
- MySQL Workbench
- MySQL Installer for Windows
- MySQL for Visual Studio
- C API (libmysqlclient)
- Connector/C++
- Connector/J
- Connector/NET
- Connector/Node.js
- Connector/ODBC
- Connector/Python
- MySQL Native Driver for PHP
- MySQL Benchmark Tool
- Time zone description tables
- Download Archives

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5) Select Operating System: macOS (in the list box)

MySQL Community Downloads

MySQL Community Server

General Availability (GA) Releases Archives

MySQL Community Server 8.0.29

Select Operating System:

- Microsoft Windows
- Select Operating System...
- Microsoft Windows
- Ubuntu Linux
- Debian Linux
- SUSE Linux Enterprise Server
- Red Hat Enterprise Linux / Oracle Linux
- Fedora
- Linux - Generic
- Oracle Solaris
- macOS**
- Source Code

Looking for previous GA versions?

Starting with MySQL 5.6 the MySQL installer package replaces the standalone MD packages.

Windows (x86, 32 & 64-bit), MySQL Installer MSI [Go to Download Page >](#)

Other Downloads:

Windows (x86, 64-bit), ZIP Archive (mysql-8.0.29-winx64.zip)	8.0.29	214.0M	Download
MD5: 108e93f5e6cd89f252693963ef1ab5da Signature			
Windows (x86, 64-bit), ZIP Archive Debug Binaries & Test Suite (mysql-8.0.29-winx64-debug-test.zip)	8.0.29	538.6M	Download
MD5: cdbdb54f9332255ca18e659d694a6c25 Signature			

We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

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6) Download the macOS disk image (.dmg file)

7) Open the .dmg file and run the .pkg file in it

8) Run the wizard, keep all defaults and complete the installation

9) Set the root password which will be used for later login into MySQL workbench.

10) You can also install MySQL Workbench (the front-end client) from the same downloads page.

You can also refer to this link to install MySQL Workbench on macOS:

<https://www.youtube.com/watch?v=-TSFLhIGY1k>

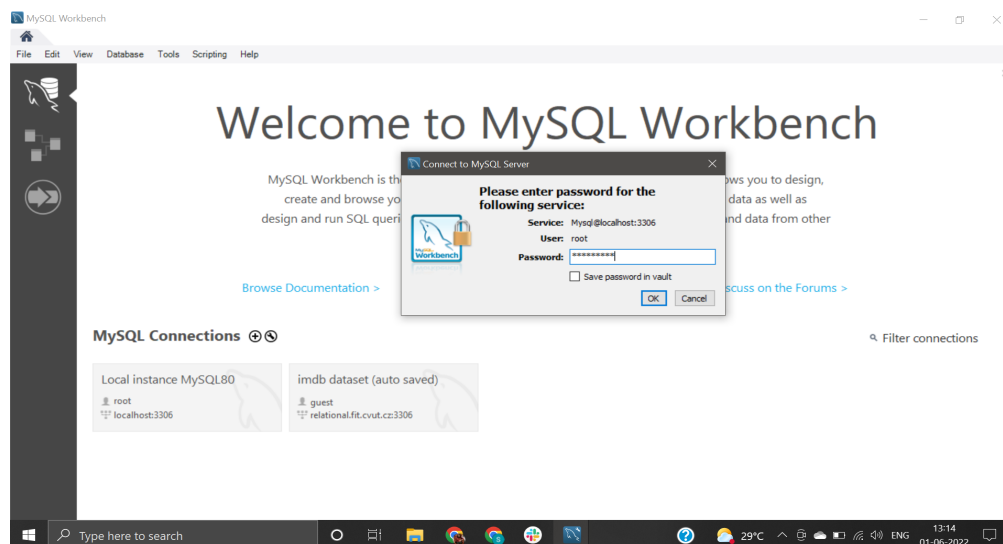
3. How to import a database (.sql) files in MySQL Workbench?

1) Open the provided drive link and download the **FramersMarketDatabase.sql** file.

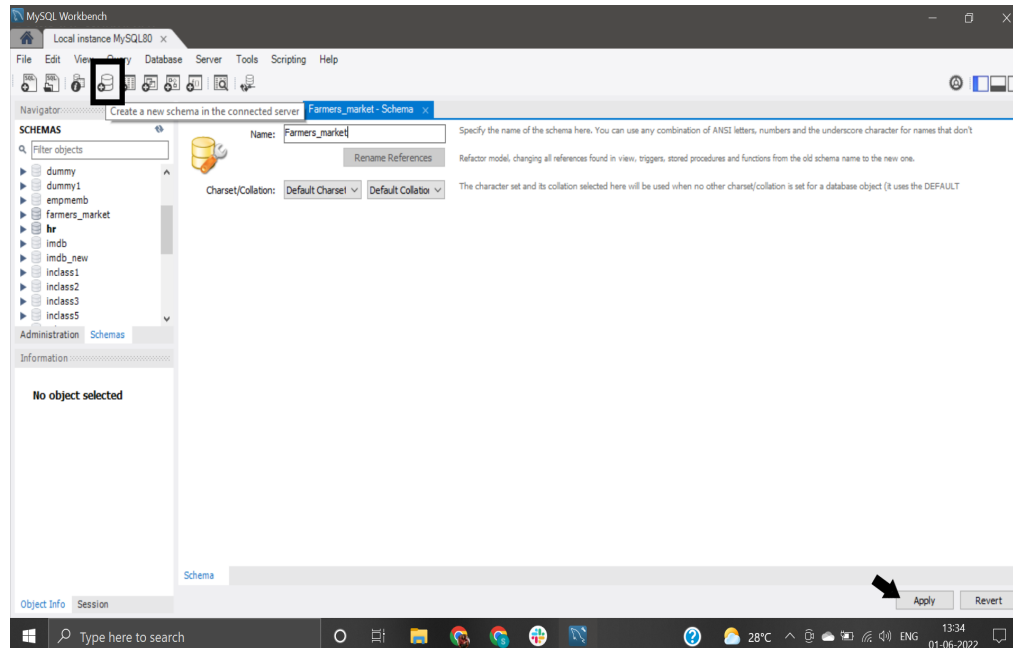
Drive link:

<https://drive.google.com/drive/folders/1Ba8PrsQY4Jz0d35SvzFcEQI3ht4aawMF?usp=sharing>

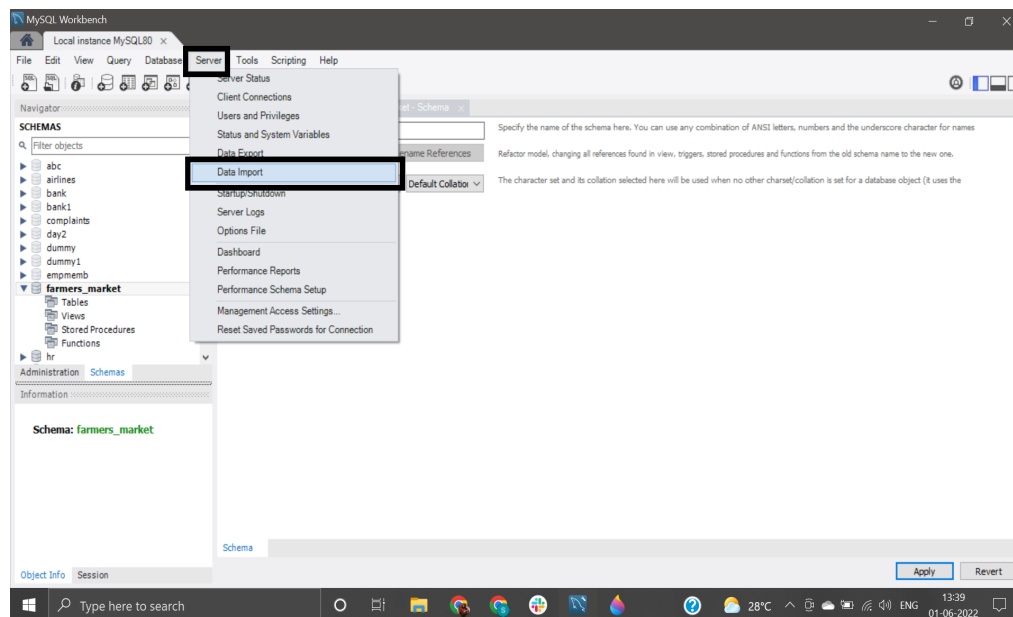
2) Now, to import the downloaded file. Open the MySQL workbench and enter the credentials.



3) Click on the symbol and create a new schema as 'Farmers_market' and press on Apply a pop-up appears and click on Apply again and Finish.

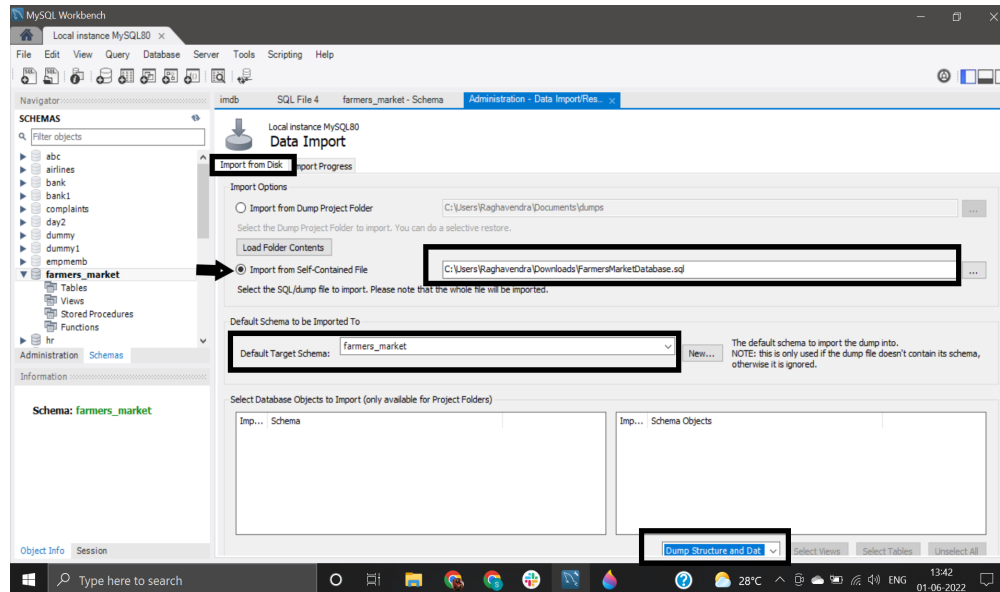


4) Go to the Server as shown in the below screenshot and click on Data Import.

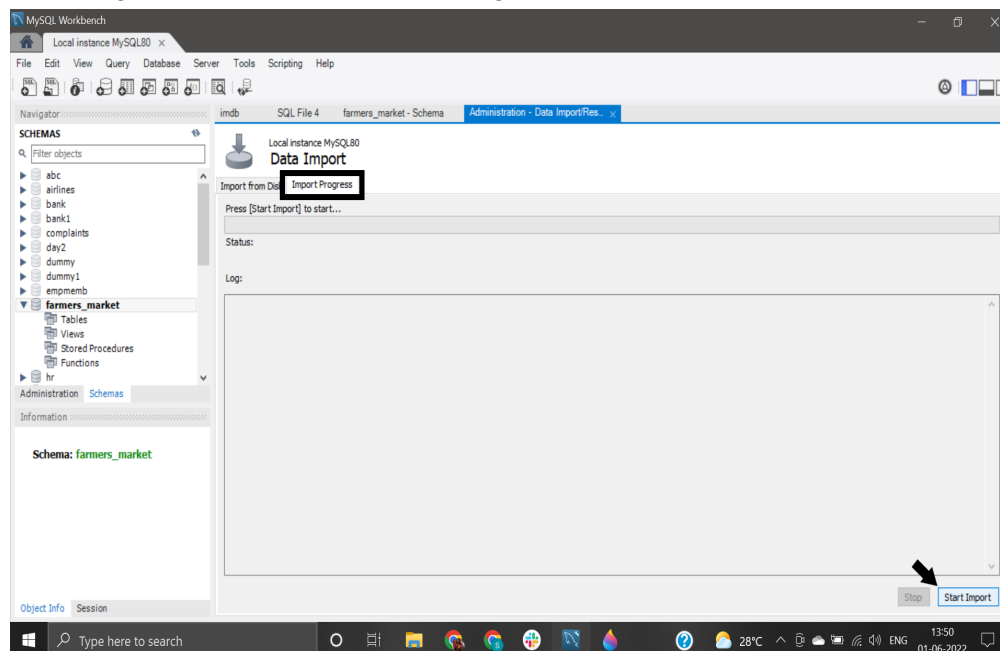


5) After you click on Data Import a new tab called 'Administration-Data Import / Restore' opens Inside the Import from Disk:

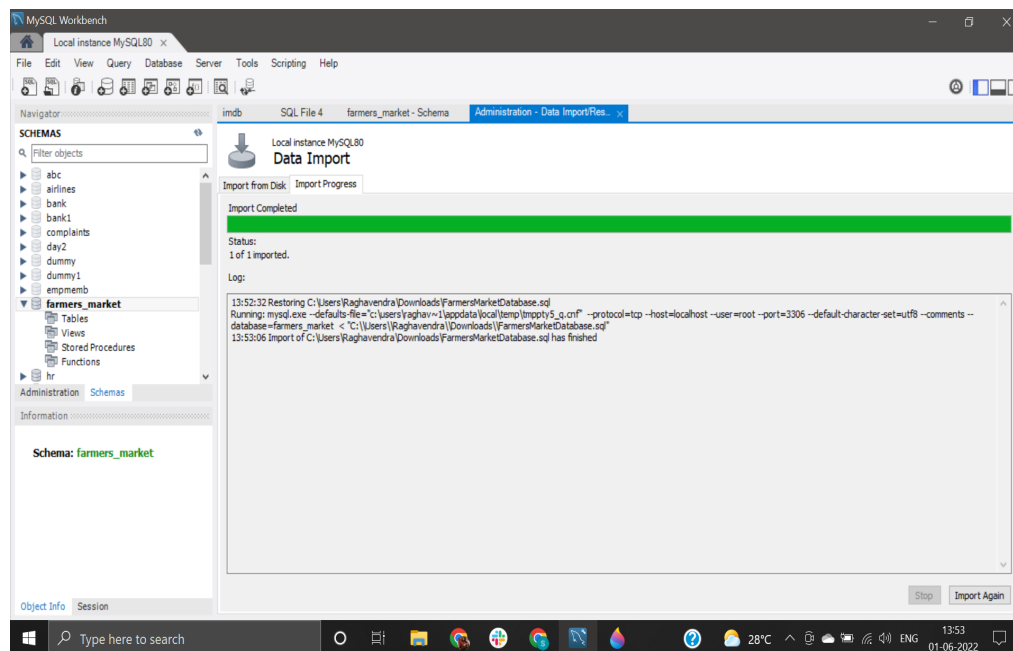
- i) Select Import from Self-Contained file and select the path of the downloaded file from the downloads which is FarmersMarketDatabase.sql
- ii) In Default Target Schema: Select the above-created schema “Farmers_market”
- iii) Below to the right bottom of the page select ‘Dump Structure and Data’



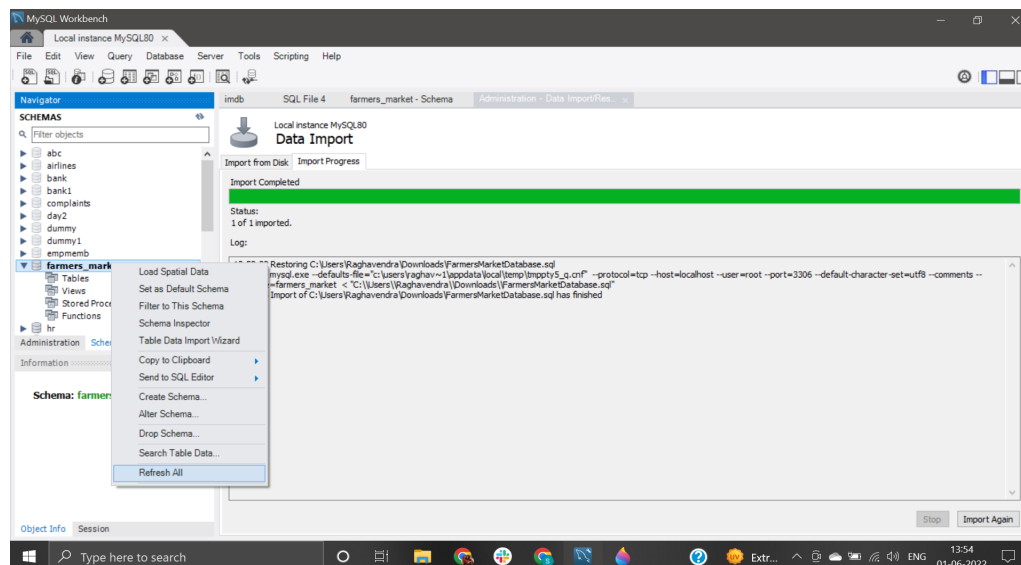
6) Now, go to the next tab ‘Import Progress’ and click on ‘Start Import’



7) Once you click on the start import the import process starts and after a while importing the file gets completed as shown below.



8) Now, to the left there is the created 'Farmers_market' schema. Right-click on the schema and select "Refresh all" to see the imported tables and the data.



9) Now all the data is imported into the 'farmers_market' schema and you can start querying.

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Filter objects

SCHEMAS

farmers_market

Tables

booth

customer

customer_purchases

market_data_info

product

product_category

vendor

vendor_booth_assignments

vendor_inventory

vin_data

Administration Schemas

Information

Table: customer_purchases

Columns:

product_id int PK

vendor_id int PK

market_date date PK

customer_id int PK

quantity decimal

cost_to_customer_per_qty decimal

transaction_time time PK

SQL File #1

1 select * from customer_purchases;

Result Grid

	product_id	vendor_id	market_date	customer_id	quantity	cost_to_customer_per_qty	transaction_time
1	7	7	2019-07-03	14	0.99	6.99	17:32:00
1	7	7	2019-07-03	14	2.18	6.99	18:23:00
1	7	7	2019-07-03	15	1.53	6.99	18:41:00
1	7	7	2019-07-03	16	2.02	6.99	18:18:00
1	7	7	2019-07-06	22	0.66	6.99	17:34:00
1	7	7	2019-07-06	4	0.27	6.99	12:20:00
1	7	7	2019-07-06	12	3.60	6.99	09:33:00
1	7	7	2019-07-06	14	3.04	6.99	13:05:00
1	7	7	2019-07-06	23	1.49	6.99	12:26:00
1	7	7	2019-07-06	23	2.56	6.99	12:46:00
1	7	7	2019-07-10	3	2.48	6.99	18:40:00
1	7	7	2019-07-10	4	2.13	6.99	18:06:00
1	7	7	2019-07-10	8	2.71	6.99	18:35:00
1	7	7	2019-07-10	21	1.61	6.99	18:56:00

Object Info Session

ur_purchases 1 x

Type here to search

29°C

13:58

01-06-2022