

How to set up MYSQL Workbench?

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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 links for 'MYSQQL.COM', 'DOWNLOADS' (which is highlighted with an orange underline), 'DOCUMENTATION', and 'DEVELOPER ZONE'. To the right of the navigation bar are social media icons for Facebook, Twitter, LinkedIn, and YouTube. Below the navigation bar, there is a large blue banner with the text 'MySQL HeatWave' and two sections: 'Faster Performance' and 'Lower Total Cost of Ownership'. The 'Faster Performance' section lists: '5400x Faster than Amazon RDS', '1400x Faster than Amazon Aurora', '6.5x Faster than Amazon Redshift AQUA', and '7x Faster than Snowflake'. The 'Lower Total Cost of Ownership' section lists: '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'. At the bottom of the page, there are two boxes: one for 'MySQL Enterprise Edition' and one for 'MySQL Cluster CGE'. Both boxes contain a brief description and download links.

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.

The screenshot shows the MySQL Community Downloads page. At the top, there are sections for 'Free Webinars', 'Oracle MySQL Operator on Kubernetes' (May 12, 2022), 'Oracle MySQL for Beginners' (May 18, 2022), 'Oracle MySQL HeatWave Database Service for Query Acceleration' (May 26, 2022), and a 'More' link. Below these are sections for 'Contact Sales' (with USA, Canada, Germany, France, Italy, UK, Japan, China, and India contact information) and 'More Countries'. A 'Contact Us Online' link is also present. The main content area features a large list of download links, with 'MySQL Installer for Windows' highlighted by a black rectangle.

[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

[More »](#)

[Contact Sales](#)

USA: +1-866-221-0634
Canada: +1-866-221-0634

Germany: +49 89 143 01280
France: +33 1 57 60 83 57
Italy: +39 02 249 59 120
UK: +44 207 553 8447

Japan: 0120-065556
China: 10800-811-823
India: 0008001005870

[More Countries »](#)

[Contact Us Online »](#)

MySQL Community (GPL) Downloads »

MySQL Installer for Windows

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](#)

5) Choose the desired installer and click on download.

④ MySQL Community Downloads

MySQL Installer 8.0.29

Select Operating System: Microsoft Windows

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

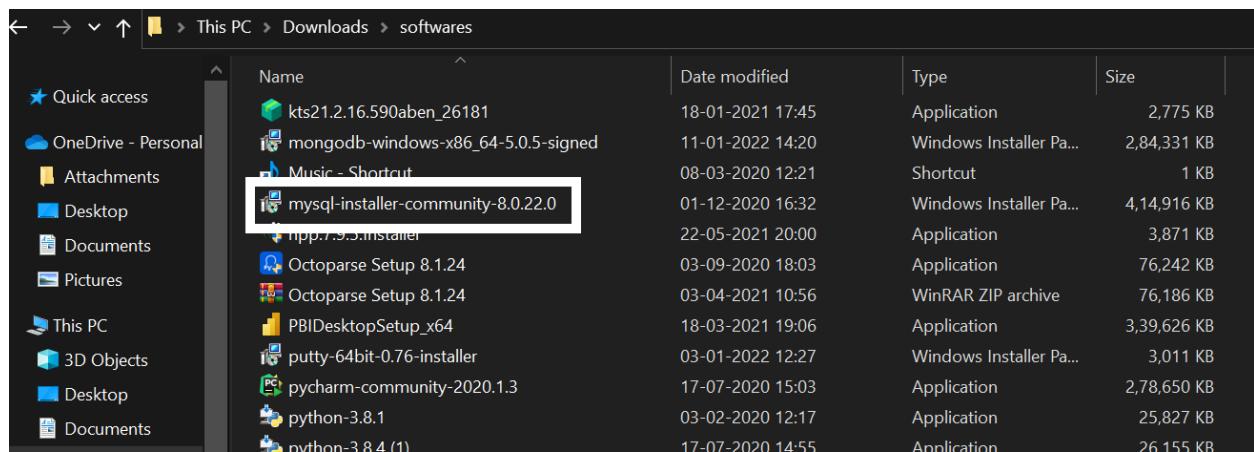
We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

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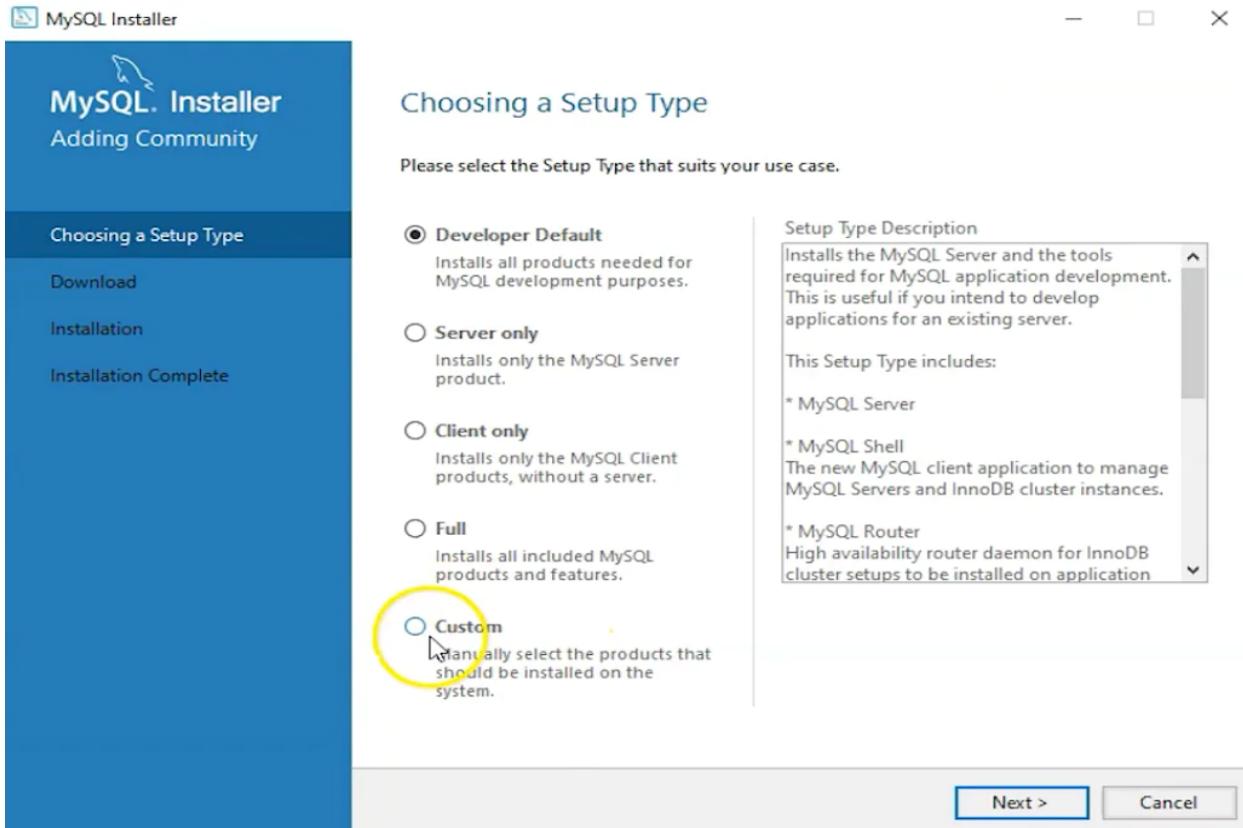
Privacy / Do Not Sell My Info | Terms of Use | Trademark Policy | Cookie Preferences



6) After the download, open the installer.

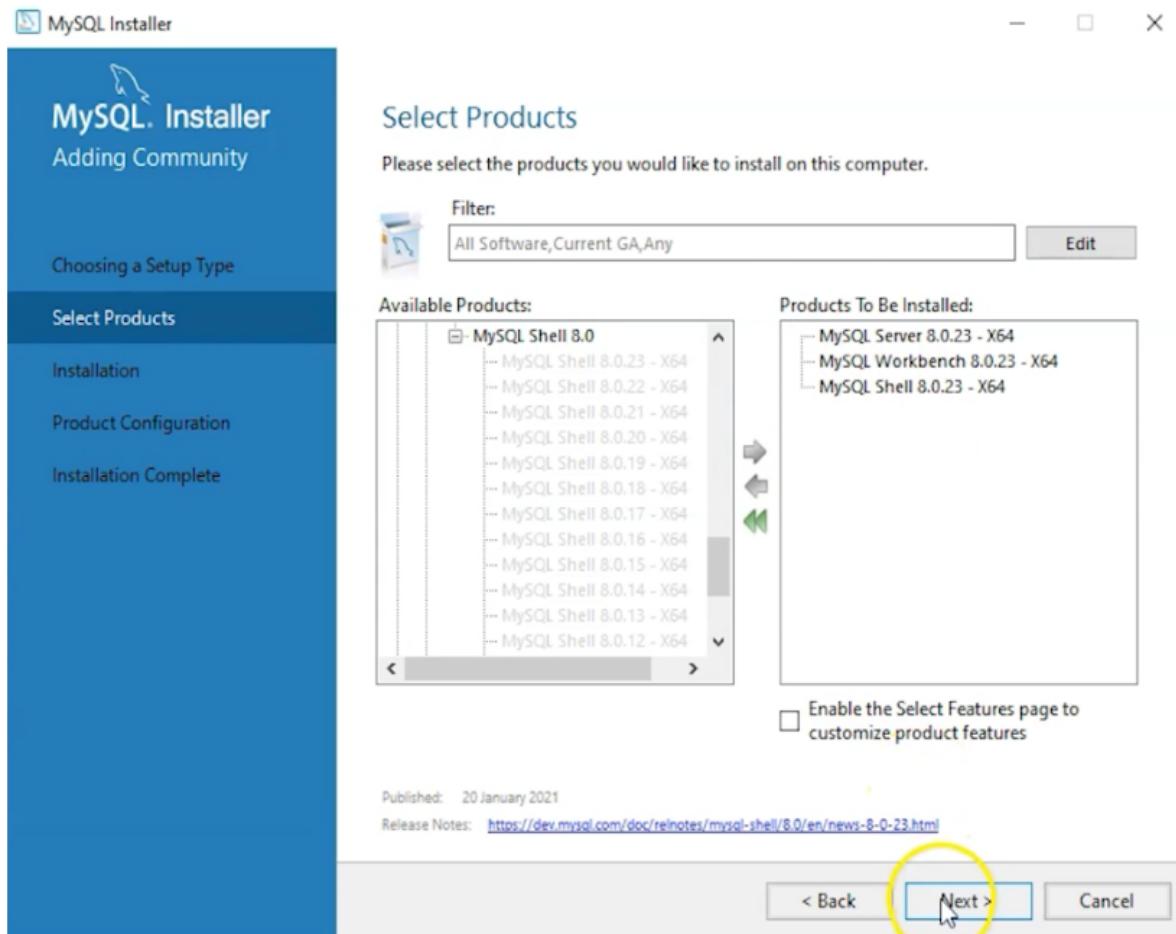


7) It will ask for permission; when it does, click Yes. The installer will then open. Now, it will ask to choose the setup type. Here, you can either choose 'Developer (Default)' OR 'Custom'.

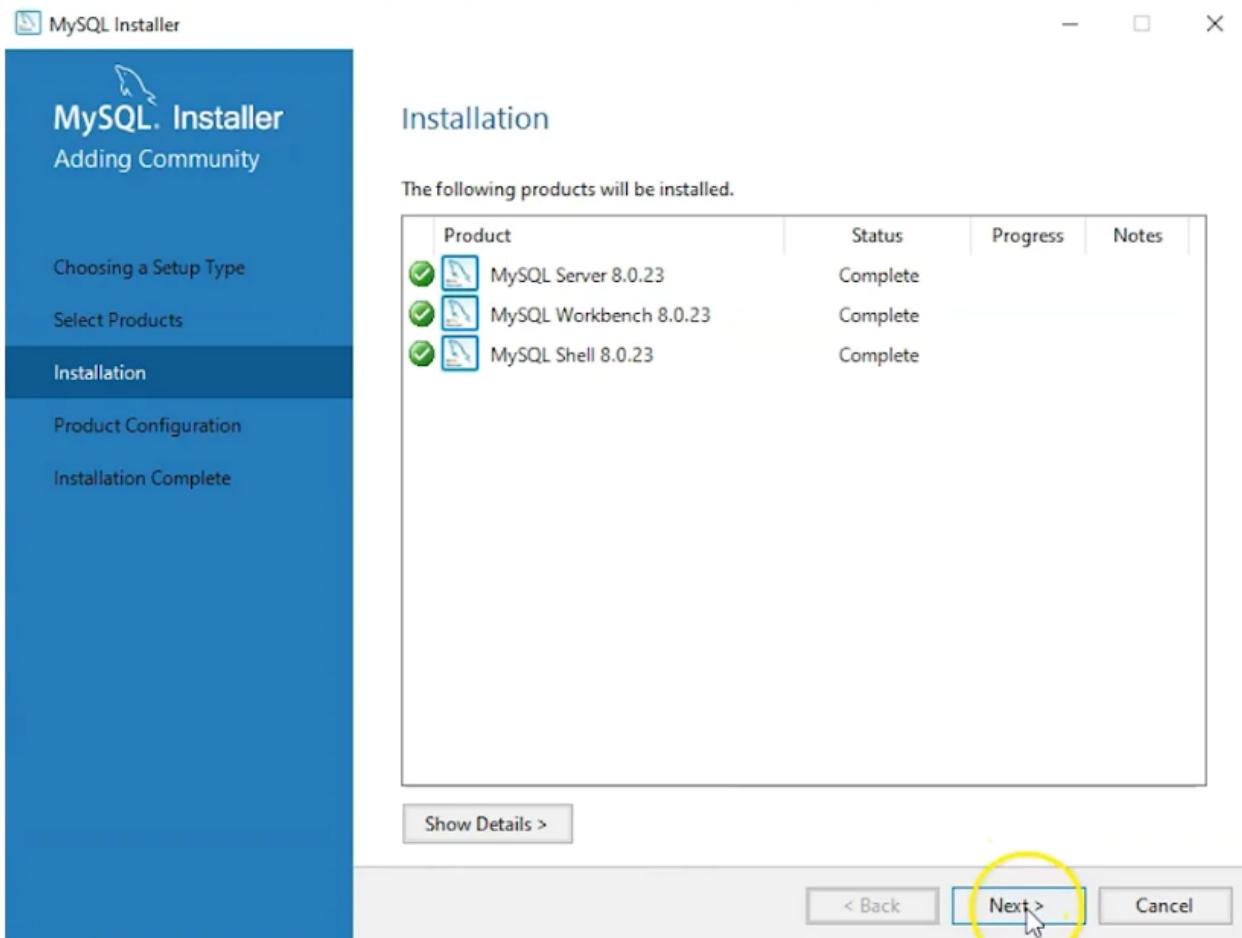


8) Click on Next. With this, you will install MySQL server, MySQL Workbench, and MySQL shell.

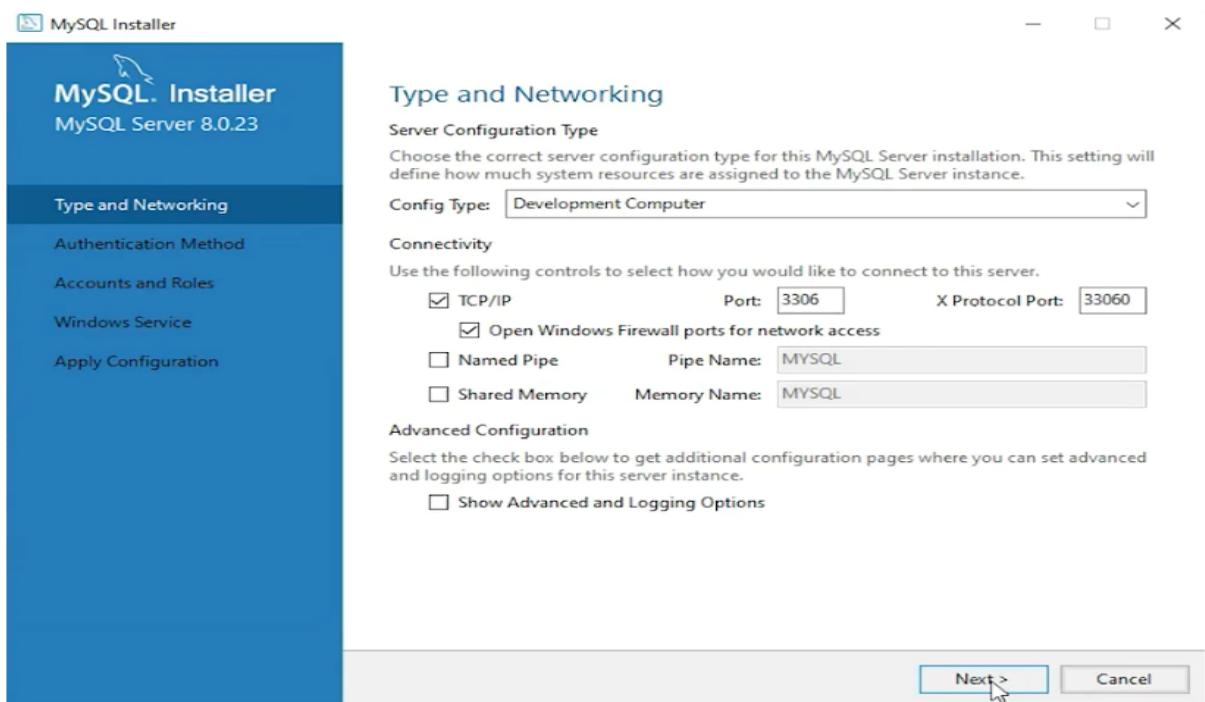
9) Open MySQL Servers, select the server you want to install, and move it to the Products/Features to be installed window section. Now, expand Applications, choose MySQL Workbench and MySQL shell. Move both of them to 'Products/Features to be installed'.



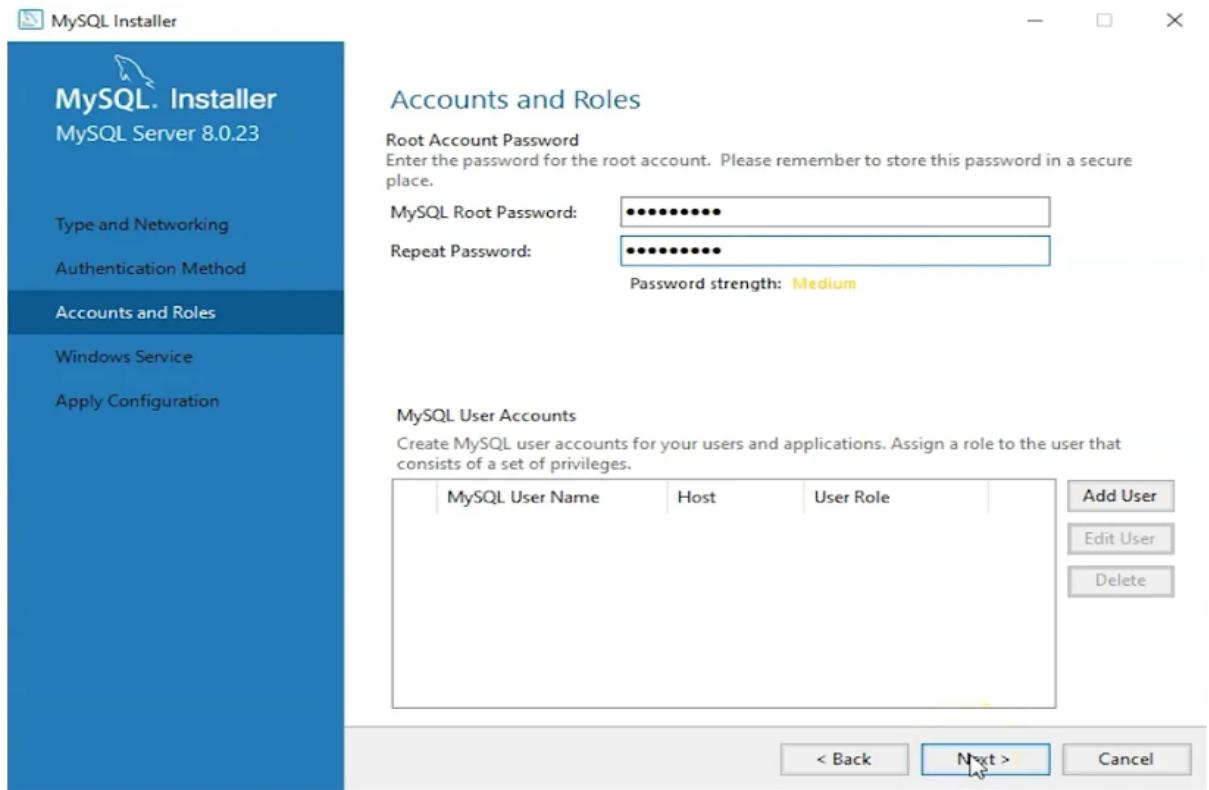
10) Click on the Next button. Now, click on the Execute button to download and install the MySQL server, MySQL Workbench, and the MySQL shell.



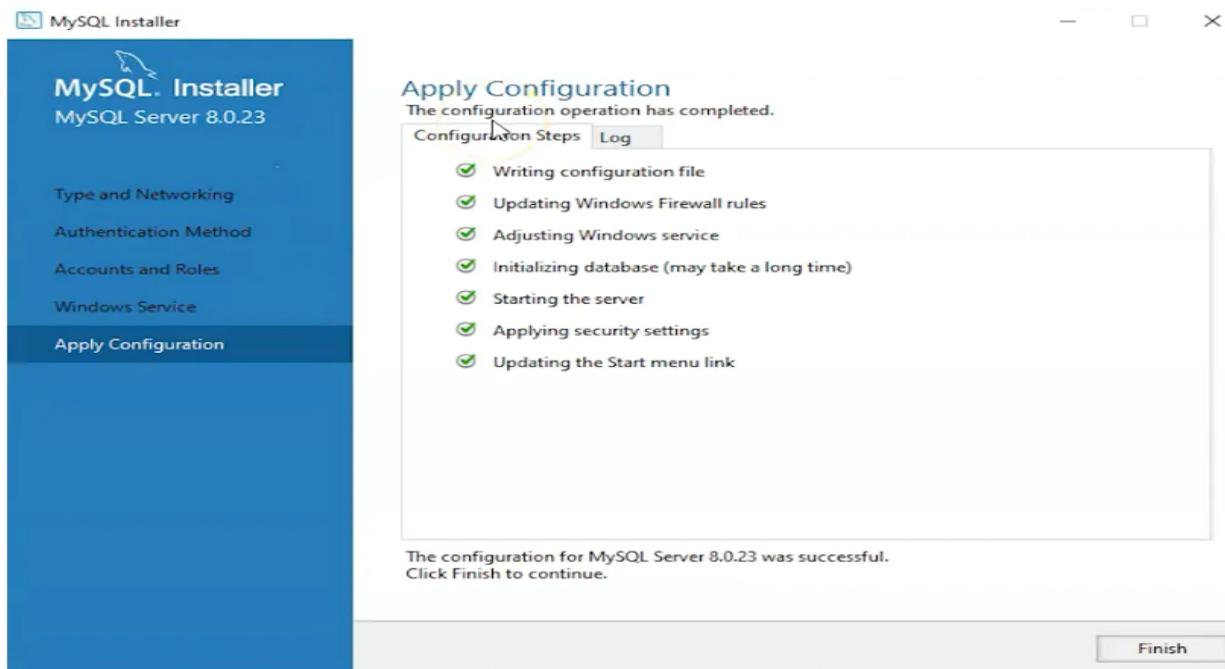
11) Once the product is ready to configure, click on Next. Under Type and Networking, go with the default settings and select Next.



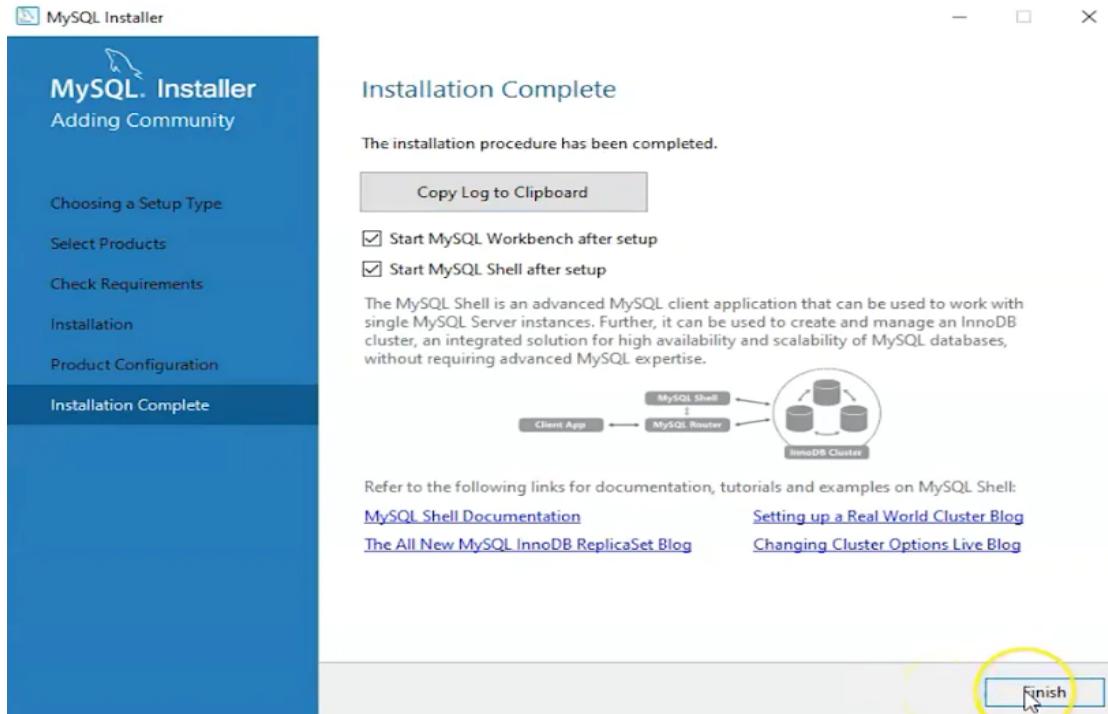
12) Set the root password. For authentication, use the recommended strong password encryption. Upon setting the password click next.



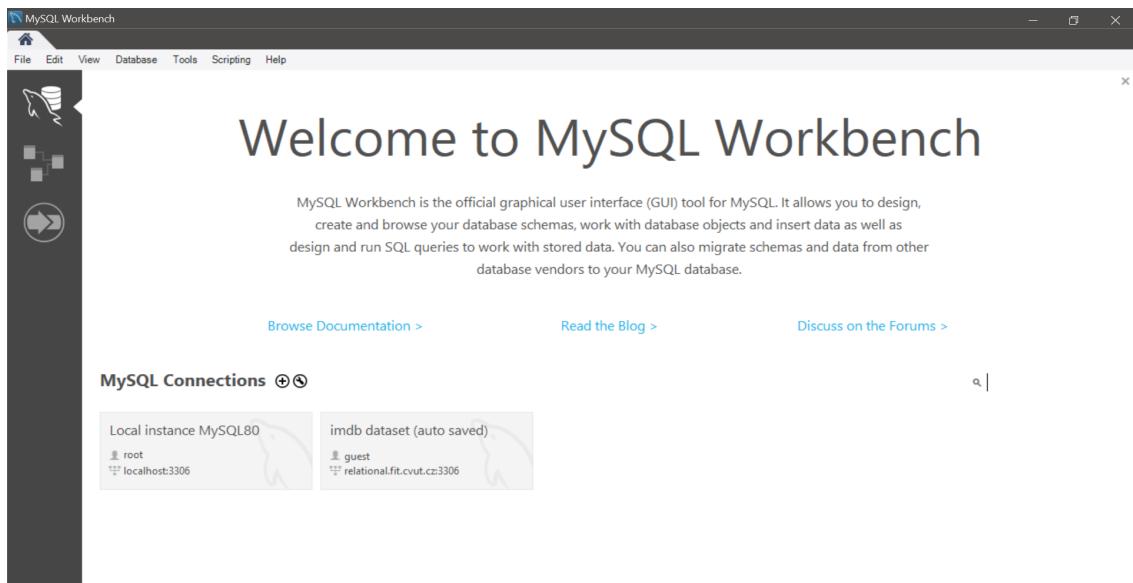
13) Go for the default windows service settings and under the apply configuration, click on execute. Once the configuration is complete, click on finish.



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.

The screenshot shows the MySQL website homepage. At the top, there's a navigation bar with links for MySQL.COM, DOWNLOADS (which is highlighted in orange), DOCUMENTATION, and DEVELOPER ZONE. Below the navigation is a large banner for 'MySQL HeatWave' featuring a blue cloud background. The banner contains two sections: 'Faster Performance' (listing 5400x faster than Amazon RDS, 1400x faster than Aurora, 6.5x faster than Redshift AQUA, and 7x faster than Snowflake) and 'Lower Total Cost of Ownership' (listing 2/3 the cost of RDS, 1/2 the cost of Aurora, 1/2 the cost of Redshift AQUA, and 1/5 the cost of Snowflake). Below the banner are two buttons: 'Learn More' and 'Technical Guides'. Further down the page, there are sections for 'MySQL Enterprise Edition' (listing MySQL Cluster Manager and Plus, everything in MySQL Enterprise Edition) and 'MySQL Cluster CGE' (listing MySQL Cluster as a real-time open source transactional database designed for fast, always-on access to data under high throughput conditions). There's also a sidebar for the 'MySQL SUMMIT at Oracle CloudWorld' event, which took place from October 16–20, 2022, in Las Vegas.

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.

The screenshot shows the MySQL website with a focus on the 'Community' section. On the left, there are links for 'Free Webinars', 'Contact Sales', and 'More'. The main content area features a large button labeled 'MySQL Community (GPL) Downloads'. To the right of this button, there's a list of download options: MySQL Cluster Manager, Plus, everything in MySQL Enterprise Edition, and MySQL Cluster CGE. Below these are links for 'Learn More', 'Customer Download' (with a note to select Patches & Updates Tab, Product Search), and 'Trial Download'. At the bottom of the page, there are links for 'More Countries' and 'Contact Us Online'.

4) Click on the MySQL Community Server.

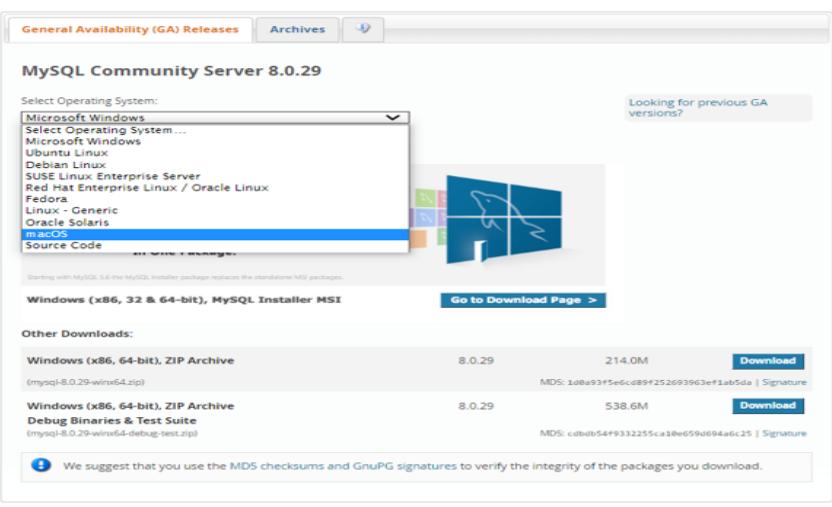
④ MySQL Community Downloads

- 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)



The screenshot shows the MySQL Community Downloads page for MySQL Community Server. At the top, there's a navigation bar with tabs for "General Availability (GA) Releases" (which is selected), "Archives", and a search icon. Below the navigation is a heading for "MySQL Community Server 8.0.29". A dropdown menu titled "Select Operating System:" is open, showing a list of options including "Microsoft Windows", "Select Operating System...", "Microsoft Windows", "Ubuntu", "Debian Linux", "SUSE Linux Enterprise Server", "Red Hat Enterprise Linux / Oracle Linux", "Fedora", "Linux Generic", "Oracle Solaris", and "macOS". The "macOS" option is highlighted with a blue selection bar. To the right of the dropdown is a small graphic of a computer monitor displaying a blue screen with a white bird logo. Below the dropdown, there's a note about MySQL 5.6 and MySQL 8.0.29, followed by download links for "Windows (x86, 32 & 64-bit), MySQL Installer MSI" and "Windows (x86, 64-bit), ZIP Archive". There are also sections for "Other Downloads" and "MD5 checksums and GnuPG signatures". At the bottom of the page, there's a footer with the ORACLE logo and copyright information, along with links to privacy, terms of use, trademark policy, and cookie preferences.

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=-TSFLhlGY1k>

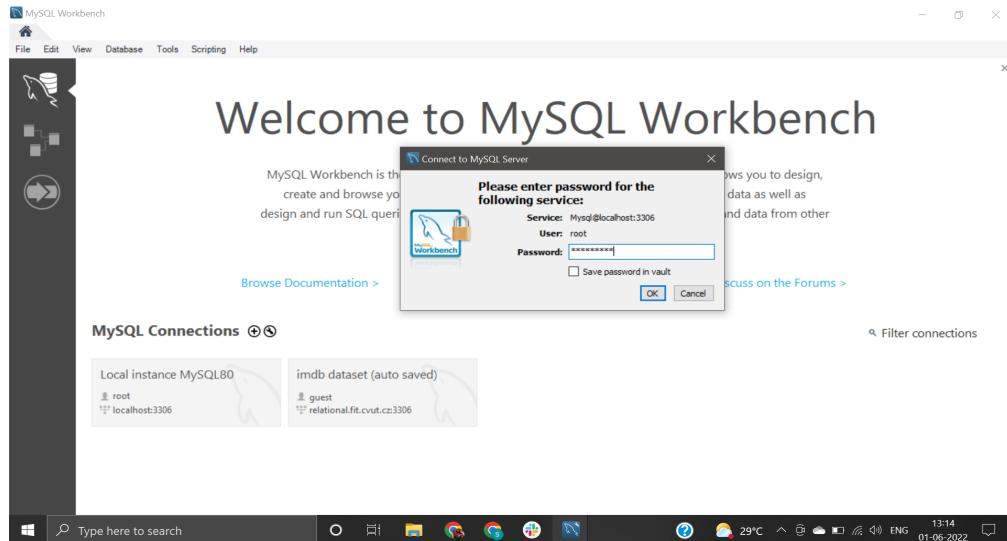
3. How to import a database (.sql) files in MySQL Workbench?

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

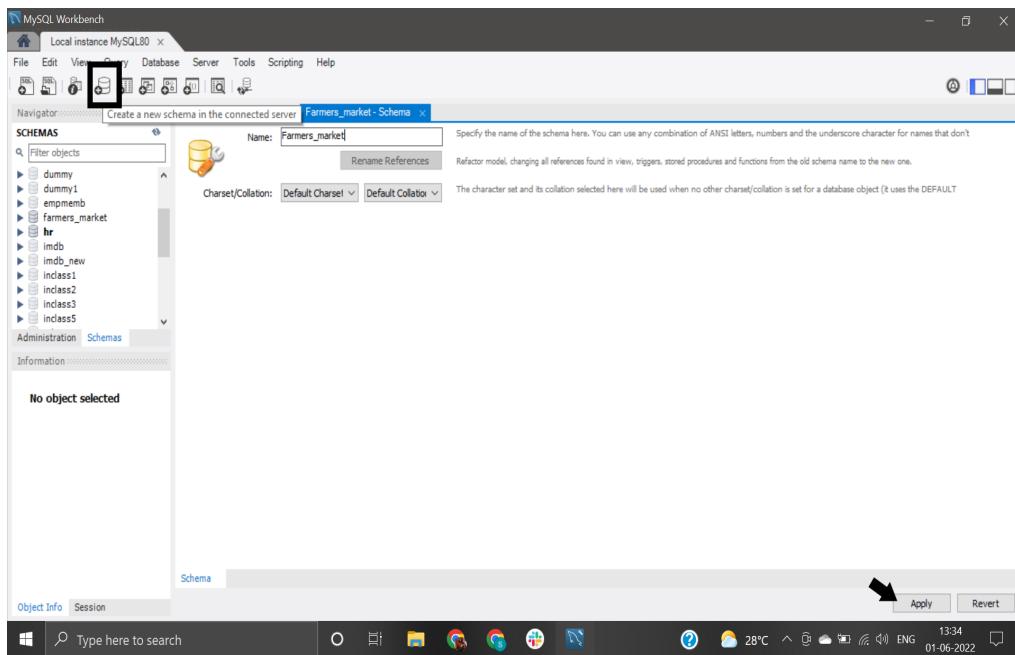
Drive link:

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

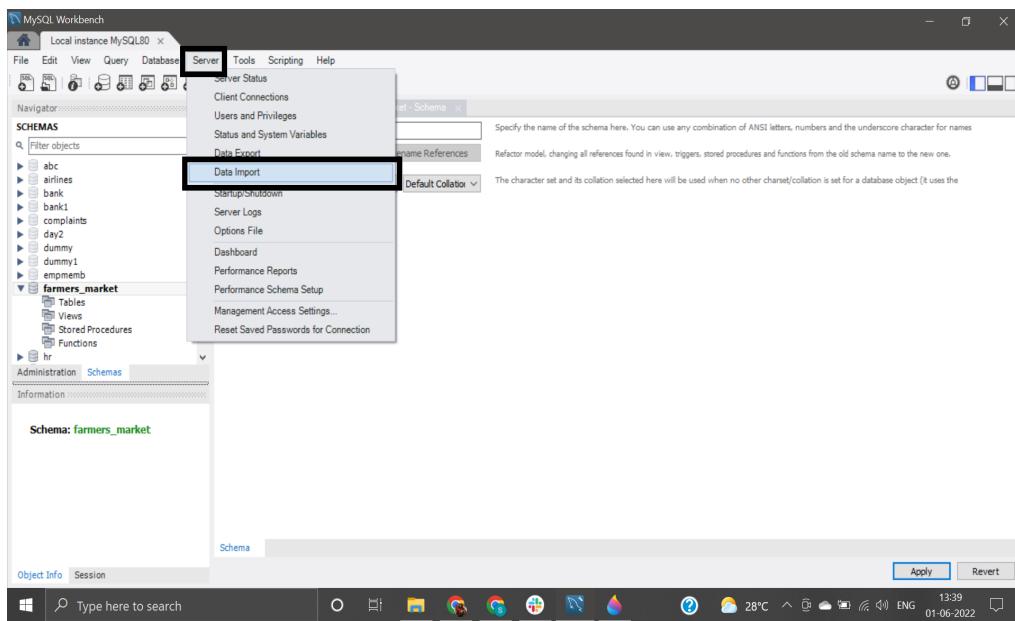
2) Now, to import the downloaded file. Open the MySQL workbench and enter the credentials.



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.

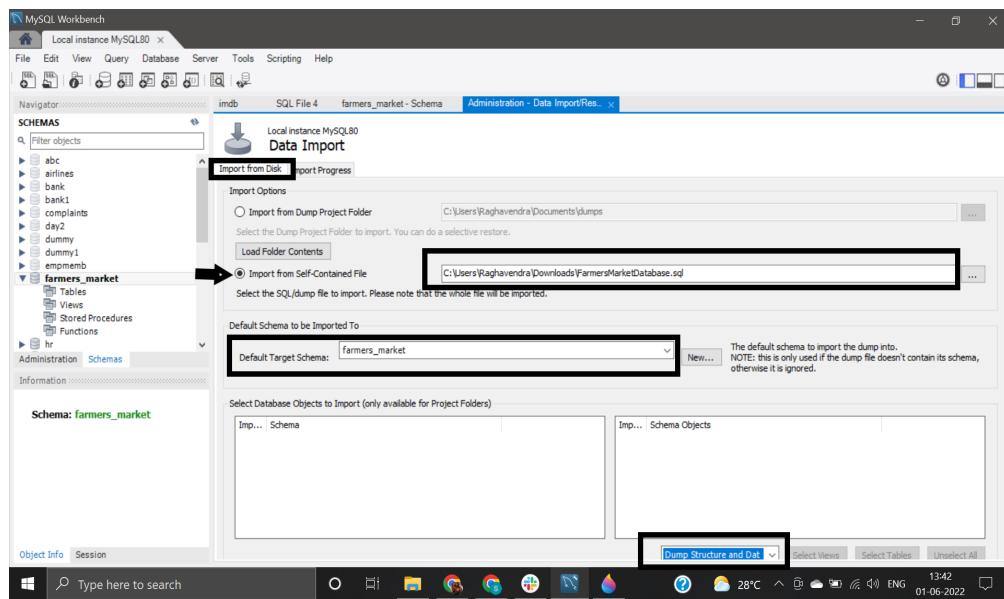


4) Go to the Server as shown in the below screenshot and click on Data Import.

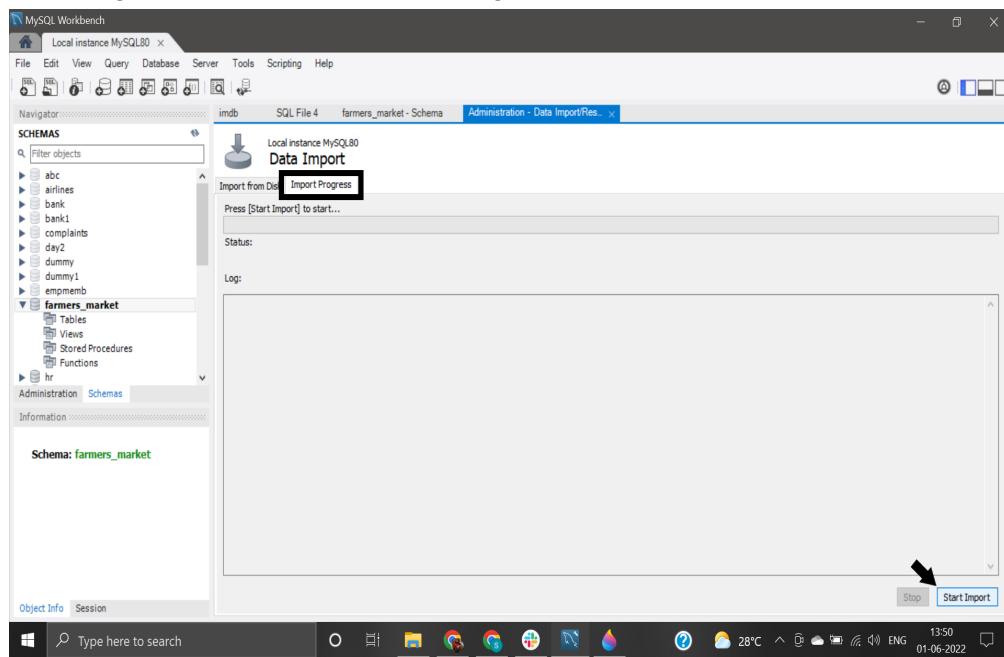


5) After you click on Data Import a new tab called 'Administration-Data Import / Restore' opens Inside the Import from Disk:

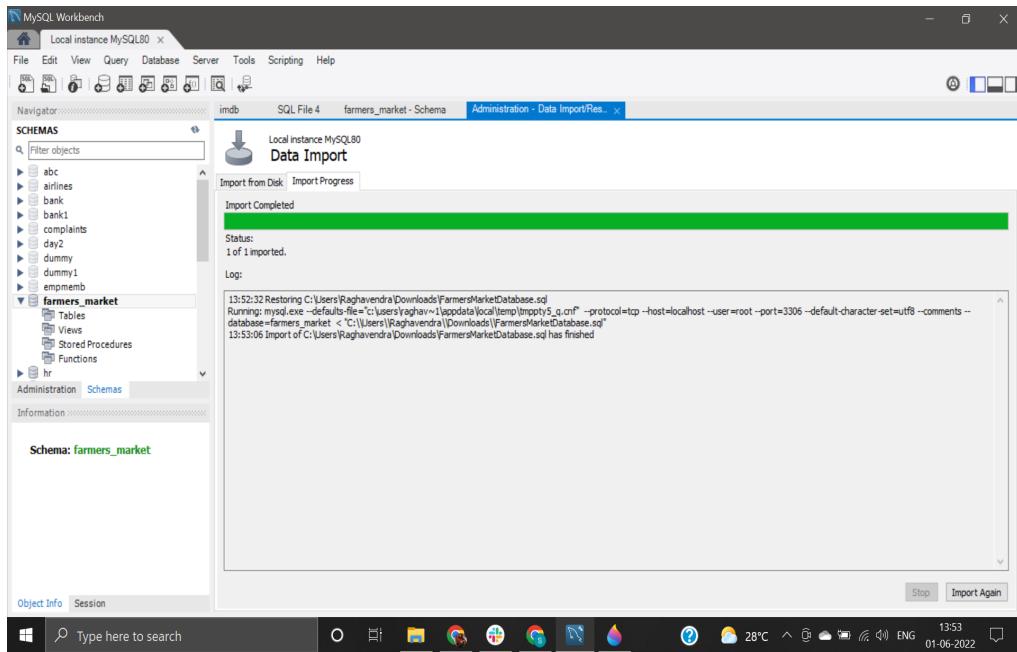
- i) Select Import from Self-Contained file and select the path of the downloaded file from the downloads which is FarmersMarketDatabase.sql
- ii) In Default Target Schema: Select the above-created schema “Farmers_market”
- iii) Below to the right bottom of the page select ‘Dump Structure and Data’



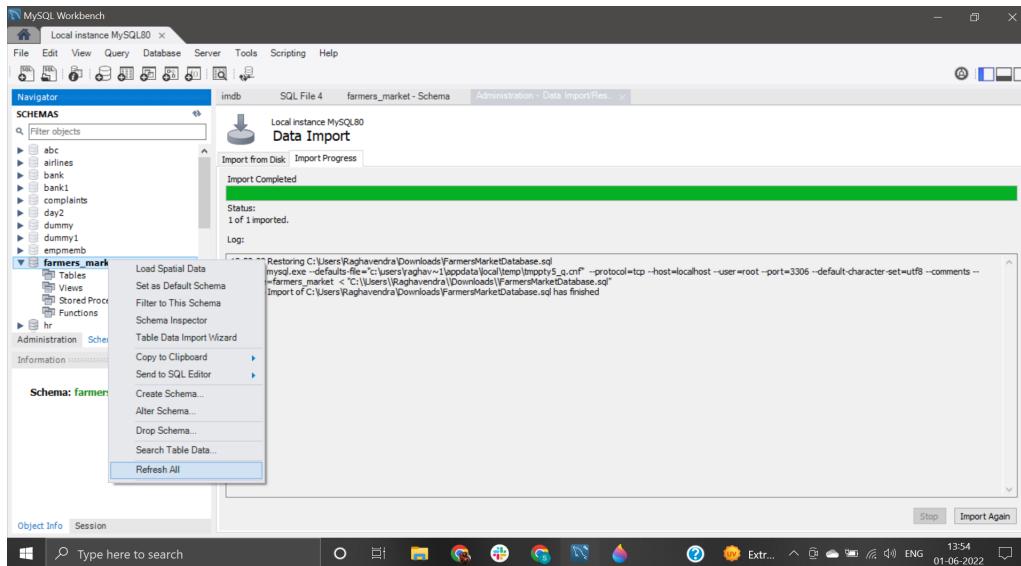
6) Now, go to the next tab ‘Import Progress’ and click on ‘Start Import’



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: Schemas

SCHEMAS: farmers_market

Tables: booth, customer, customer_purchases, market_date_info, product, product_category, vendor, vendor_booth_assignments, vendor_inventory, zip_data

SQL File 4* | select * from customer_purchases | Dont Limit | Filter Rows | Export/Import | Wrap Cell Content: 15 | Fetch rows: 1000

Result Grid | Filter Rows: | Edit | Export/Import | Wrap Cell Content: 15 | Fetch rows: 1000

Table: customer_purchases

Columns:

product_id	int PK					
vendor_id	int PK					
market_date	date PK					
customer_id	int PK					
quantity	decimal(10,2)					
cost_to_customer_per_qty	decimal(10,2)					
transaction_time	time PK					
1	7	2019-07-03	14	0.99	6.99	17:32:00
1	7	2019-07-03	14	2.18	6.99	18:23:00
1	7	2019-07-03	15	1.53	6.99	18:41:00
1	7	2019-07-03	16	2.02	6.99	18:18:00
1	7	2019-07-03	22	0.66	6.99	17:34:00
1	7	2019-07-06	4	0.27	6.99	12:20:00
1	7	2019-07-06	12	3.60	6.99	09:33:00
1	7	2019-07-06	14	3.04	6.99	13:05:00
1	7	2019-07-06	23	1.49	6.99	12:26:00
1	7	2019-07-06	23	2.56	6.99	12:46:00
1	7	2019-07-10	3	2.48	6.99	18:40:00
1	7	2019-07-10	4	2.13	6.99	18:06:00
1	7	2019-07-10	8	2.71	6.99	18:35:00
1	7	2019-07-10	21	3.61	6.99	18:56:00

Object Info Session **customer_purchases 1** Apply Revert

Result Grid | Filter Rows: | Edit | Export/Import | Wrap Cell Content: 15 | Fetch rows: 1000

13:58 29°C ENG 01-06-2022