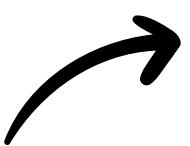




STEP BY STEP GUIDE

How to Install SQL



What is SQL?

Structured query language (SQL) is a programming language for storing and processing information in a relational database.

A relational database stores information in tabular form, with rows and columns representing different data attributes and the various relationships between the data values.

You can use SQL statements to store, update, remove, search, and retrieve information from the database. You can also use SQL to maintain and optimize database performance.

What is MySQL?

MySQL is an open-source relational database management system offered by Oracle. Developers can download and use MySQL without paying a licensing fee. They can install MySQL on different operating systems or cloud servers

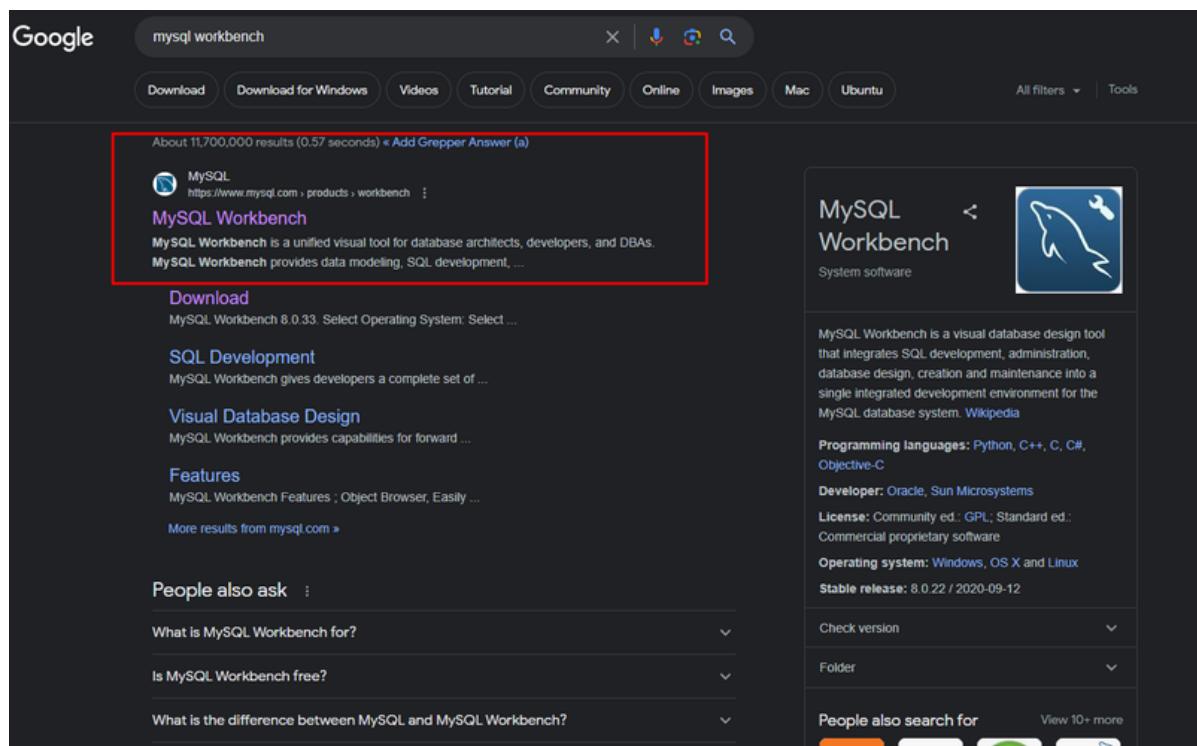
In this tutorial, I will show you how you can install and configure your Windows machine for this MySQL and MySQL workbench from scratch.



How to Install MySQL Workbench

→ Download MySQL Workbench

Go to official website -<https://www.mysql.com/products/workbench/>



Now click on the "DOWNLOADS" tab.

The MySQL Workbench page on the official website includes:

- A sidebar menu with sections like MySQL HeatWave, MySQL Enterprise Edition (selected), Datasheet (PDF), Technical Specification, MySQL Database, MySQL Document Store, Oracle Enterprise Manager, Enterprise Monitor, Enterprise Backup, Enterprise HA, Enterprise Scalability, Enterprise Authentication, Enterprise TDE, Enterprise Encryption, Enterprise Masking, and Enterprise Firewall.
- A main content area for MySQL Workbench:
 - MySQL Workbench** Enhanced Data Migration
 - Download Now »**
 - Description: MySQL Workbench is a unified visual tool for database architects, developers, and DBAs. MySQL Workbench provides data modeling, SQL development, and comprehensive administration tools for server configuration, user administration, backup, and much more. MySQL Workbench is available on Windows, Linux and Mac OS X.
 - Design**: MySQL Workbench enables a DBA, developer, or data architect to visually design, model, generate, and manage databases. It includes everything a data modeler needs for creating complex ER models, forward and reverse engineering, and also delivers key features for performing difficult change management and documentation tasks that normally require much time and effort. [Learn More »](#)
 - Develop**: MySQL Workbench delivers visual tools for creating, executing, and optimizing SQL queries. The SQL Editor provides color syntax highlighting, auto-complete, reuse of SQL snippets, and execution history of SQL. The Database
- A 'MySQL Workbench Home' screenshot showing the full application interface.
- Social media links for Facebook, Twitter, LinkedIn, and YouTube.
- Navigation links at the top: MYSQLCOM, DOWNLOADS (highlighted), DOCUMENTATION, DEVELOPER ZONE, and Contact MySQL | Login | Register.

Scroll down until you find MySQL Community (GPL) Downloads ».

The screenshot shows the MySQL website's sidebar and main content area. The sidebar includes links for the MySQL Newsletter, Free Webinars, and Contact Sales. The main content area features sections for MySQL Enterprise Edition, MySQL Cluster CGE, and MySQL Community (GPL) Downloads. A red box highlights the 'MySQL Community (GPL) Downloads' link in the MySQL Cluster CGE section.

Click on MySQL Community (GPL) Downloads ». After that, on the new page, click "MySQL installer for Windows".

The screenshot shows the MySQL Community Downloads page. It lists various MySQL components and tools, including MySQL Yum Repository, MySQL APT Repository, MySQL SUSE Repository, MySQL Community Server, MySQL Cluster, MySQL Router, MySQL Shell, MySQL Operator, MySQL NDB Operator, MySQL Workbench, 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, and Download Archives. A red box highlights the 'MySQL Installer for Windows' link under the MySQL Community Server section.



From the dropdown menu, select your operating system as "Microsoft Windows". Then download the file which is larger in size.

④ MySQL Community Downloads

◀ MySQL Installer

General Availability (GA) Releases Archives ⓘ

MySQL Installer 8.0.33

Select Operating System:

Microsoft Windows

Looking for previous GA versions?

File Type	Version	Size	Action
Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.33.0.msi)	8.0.33	2.4M	Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.33.0.msi)	8.0.33	428.3M	Download

We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

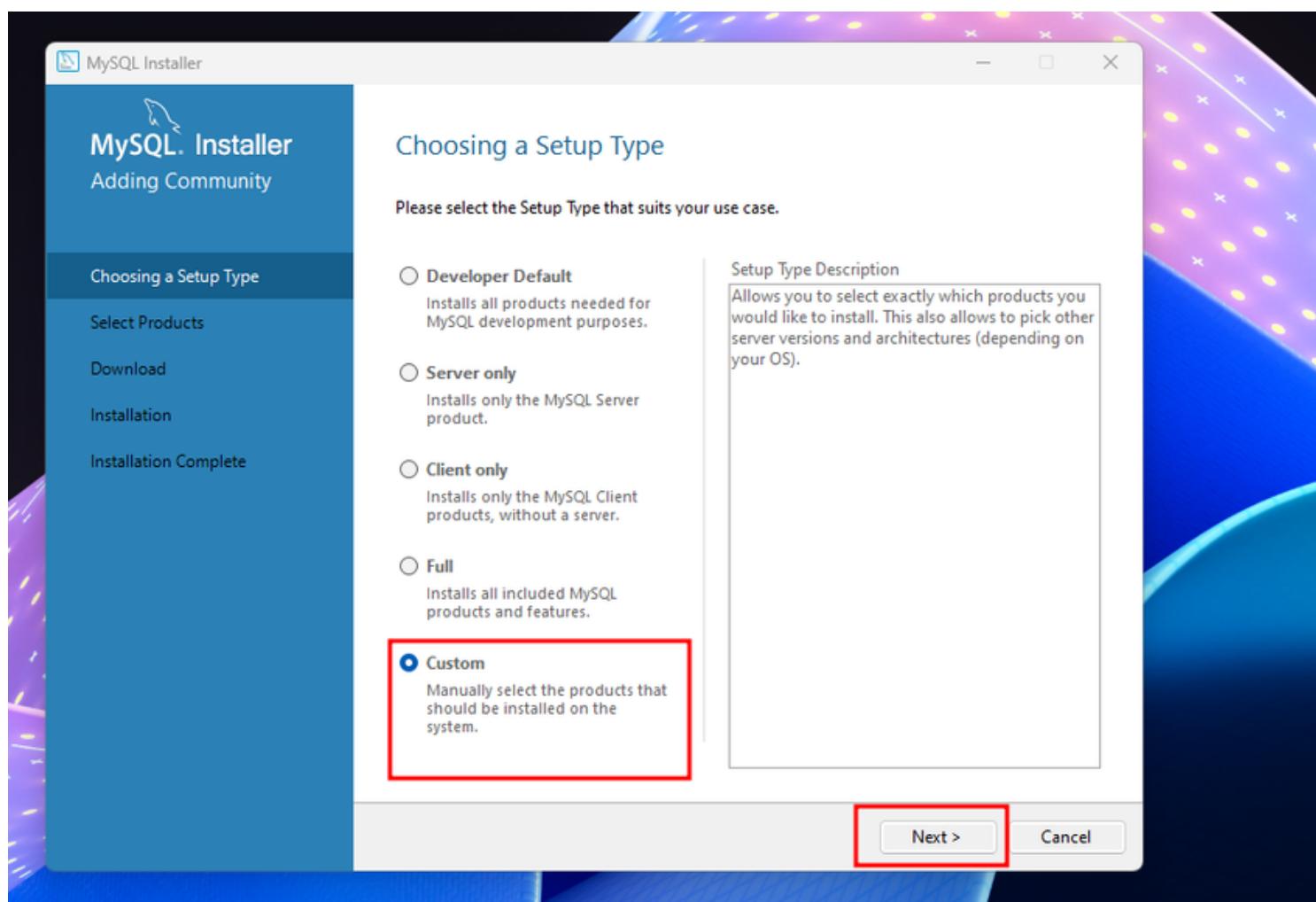
A .msi file will be downloaded. That is our installer file to install MySQL and MySQL workbench.

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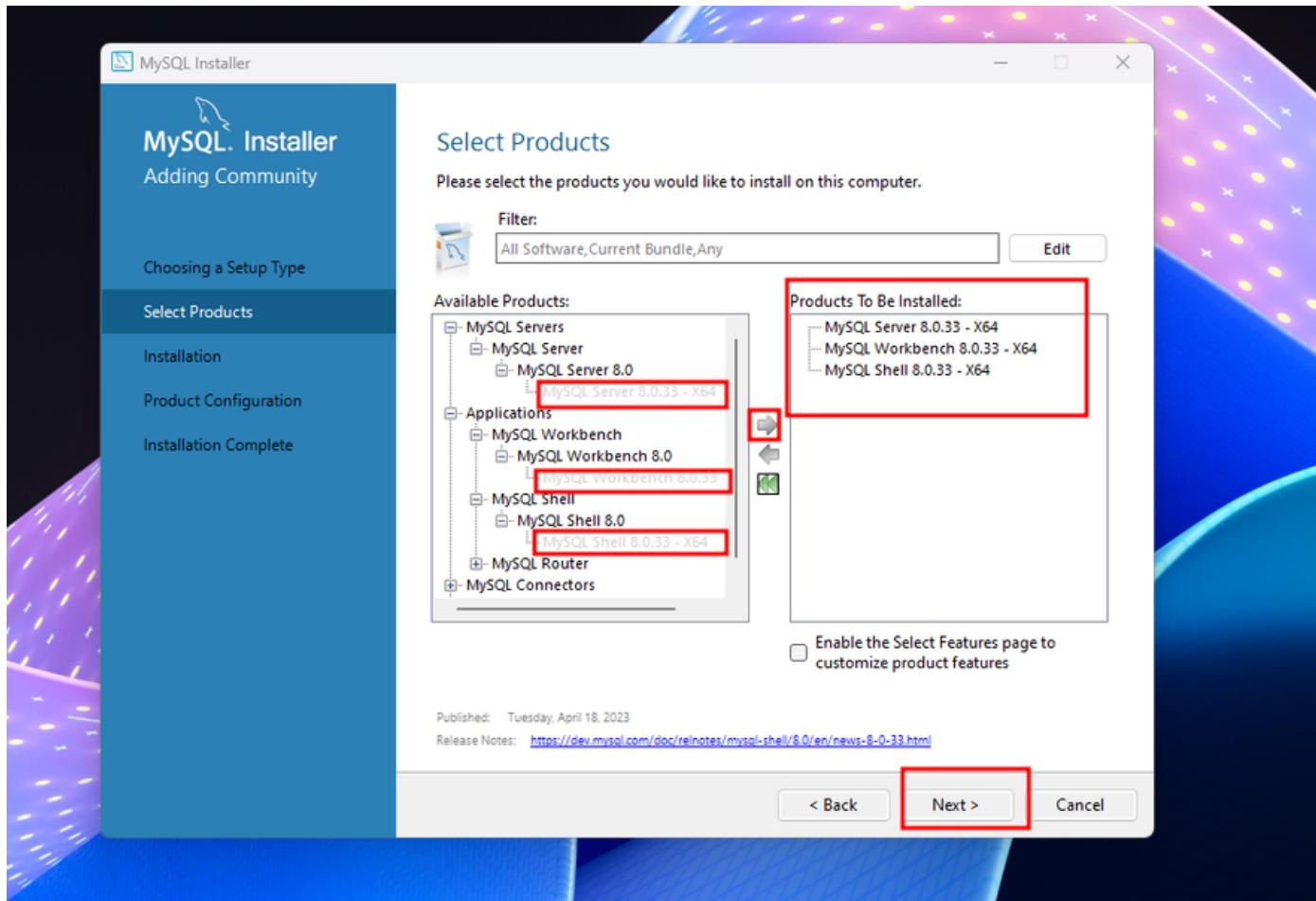
→ Install both MySQL and MySQL Workbench

Simply double click on the installer file. It will reload the necessary components and open the installer GUI selection window. Choose the setup type as custom and click "Next".

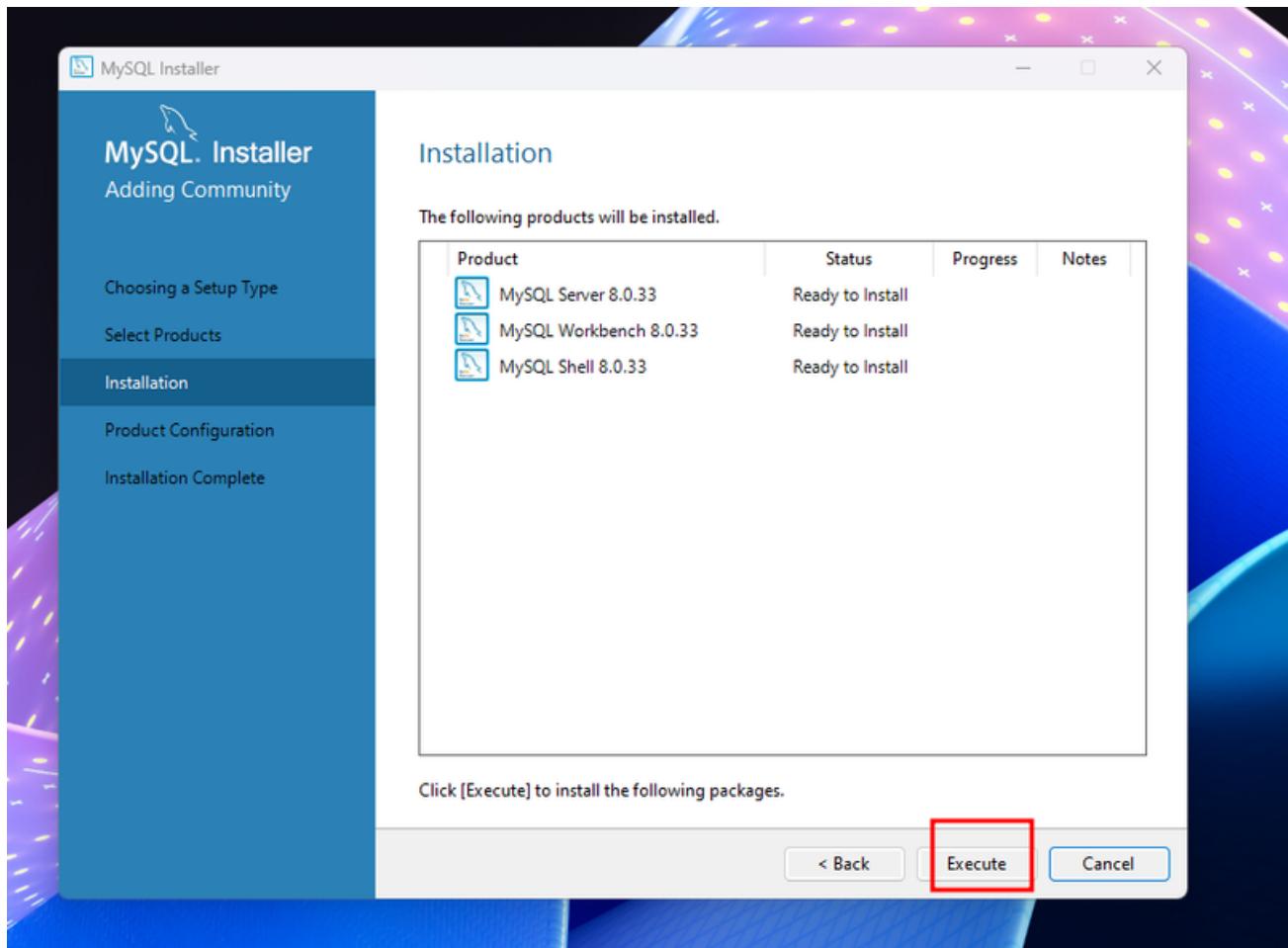


A new page will appear. Make sure to select the latest "MySQL Server", "MySQL Workbench" and "MySQL Shell". Selecting and clicking on the right side arrow will take the product name in the "Products to be installed section". Then click "Next".

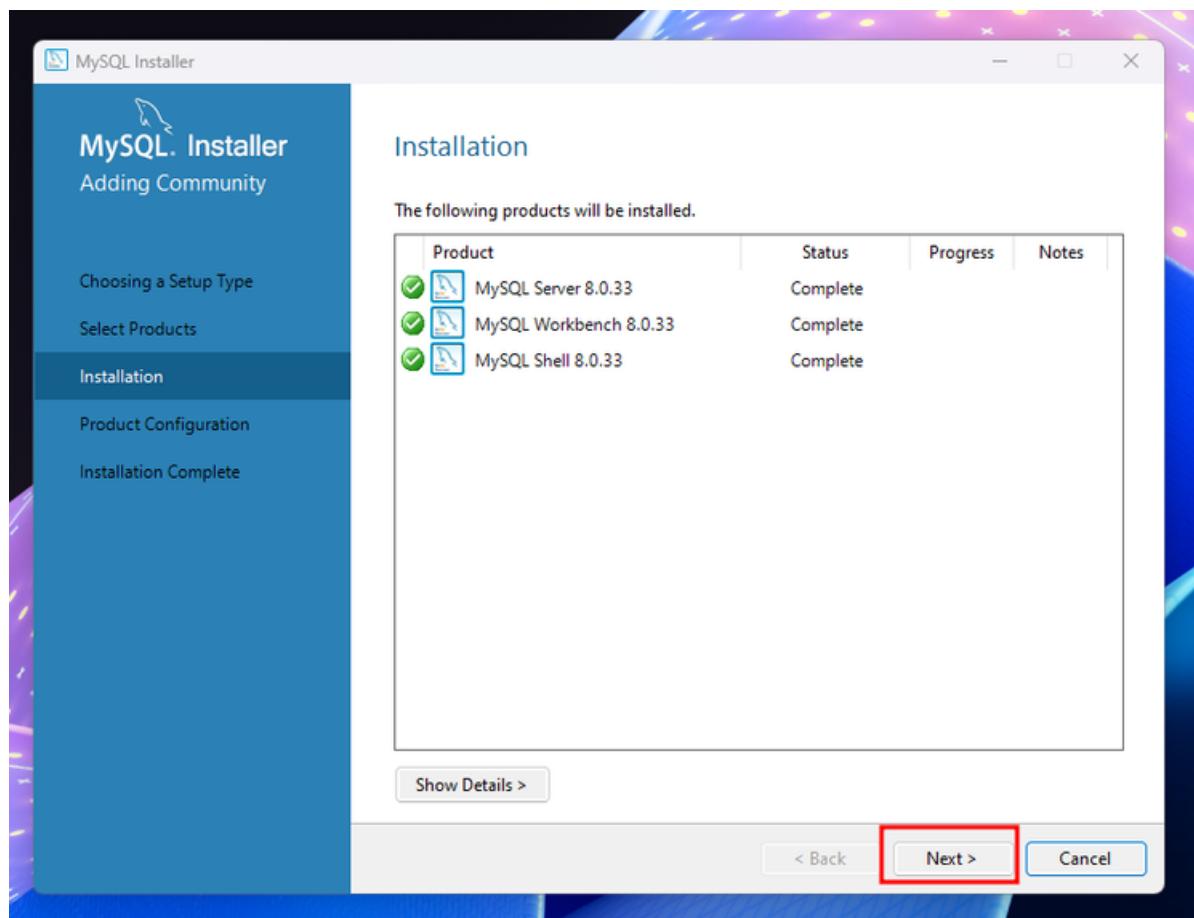




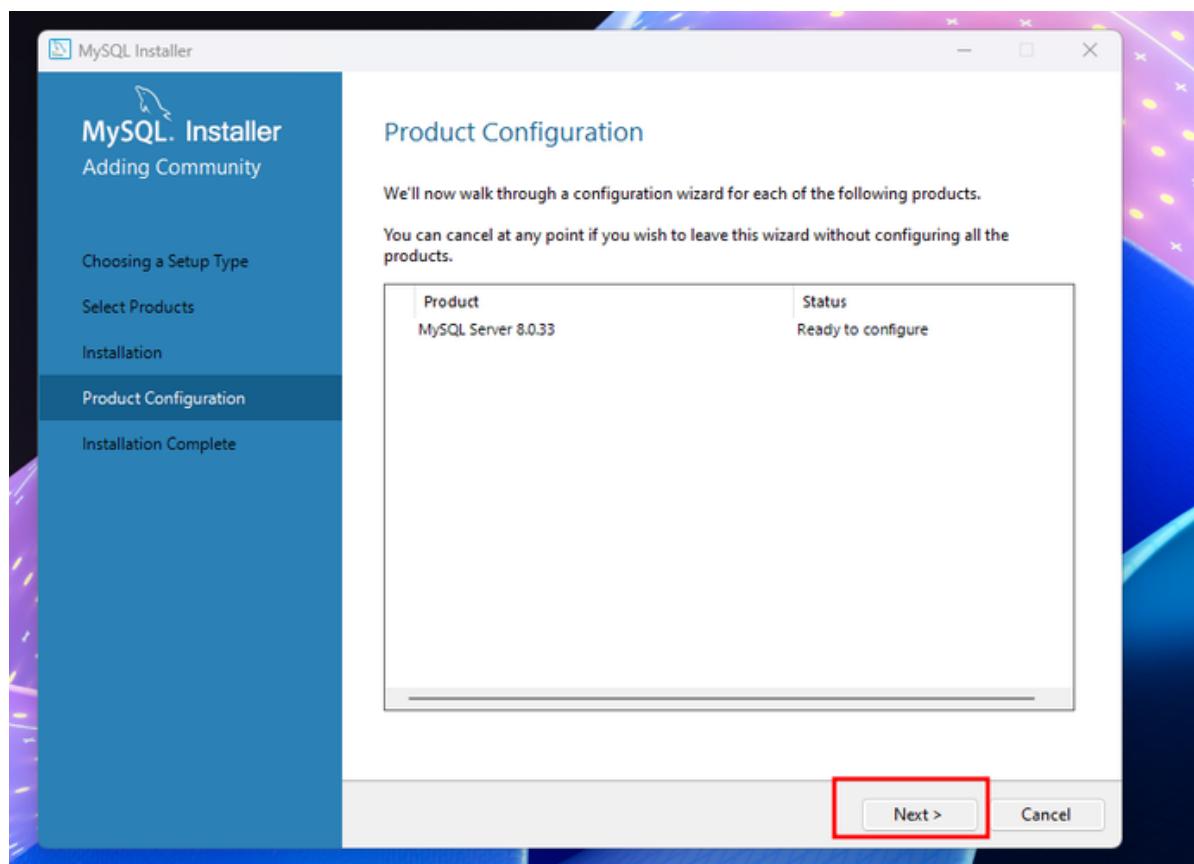
Click "Execute" to install the three necessary components. The process might take some time depending on your internet speed and computer configuration. After it gets finished, simply click "Next".



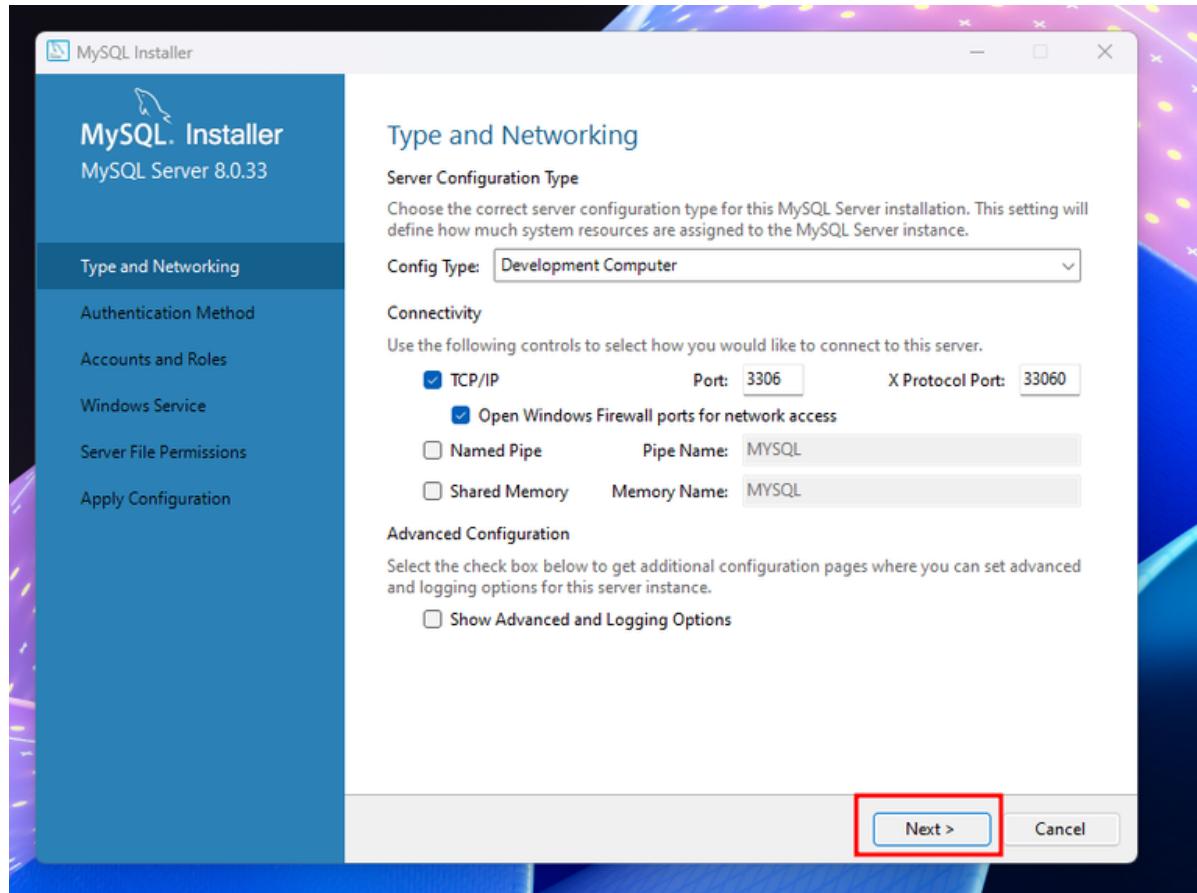
In the Product Configuration window, simply click "Next". It will install the three selected components for us.



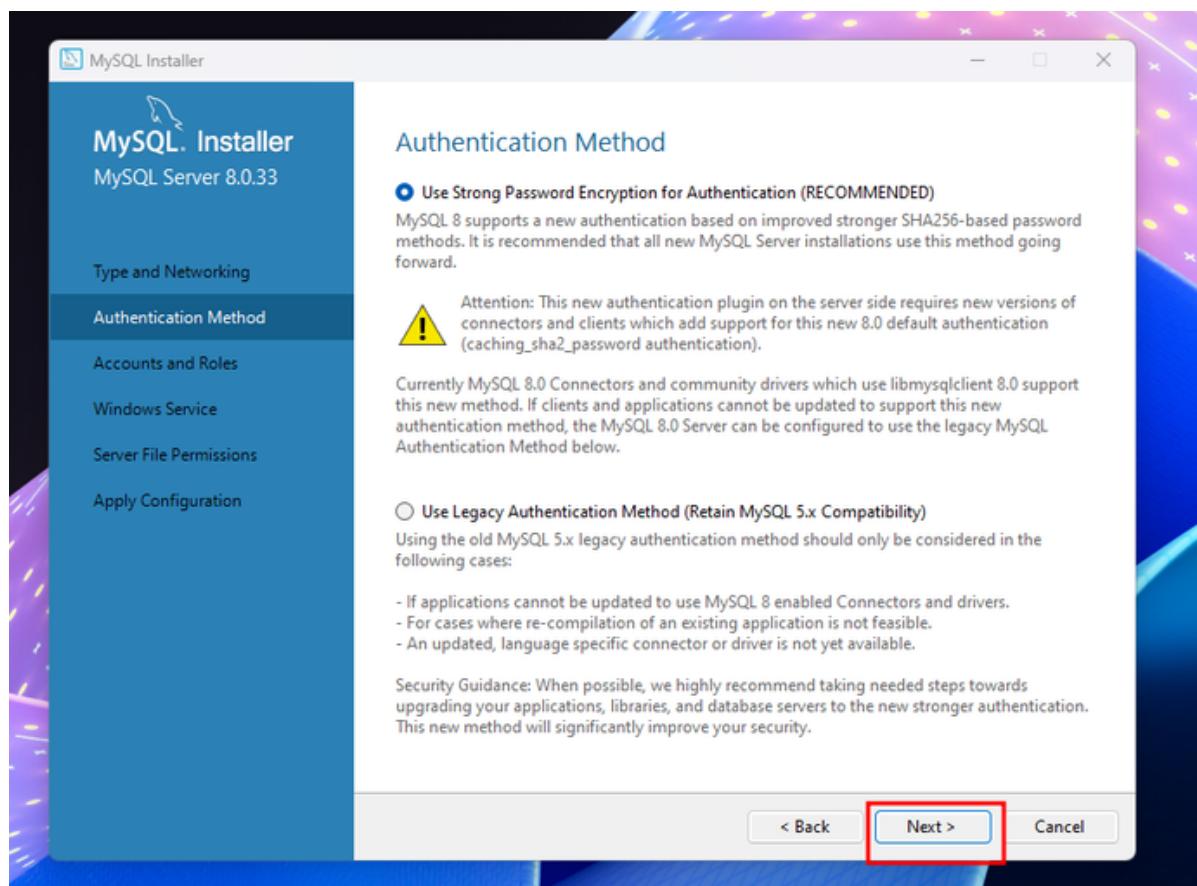
Keep everything as it is and simply click "Next". It will configure the MySQL Server.



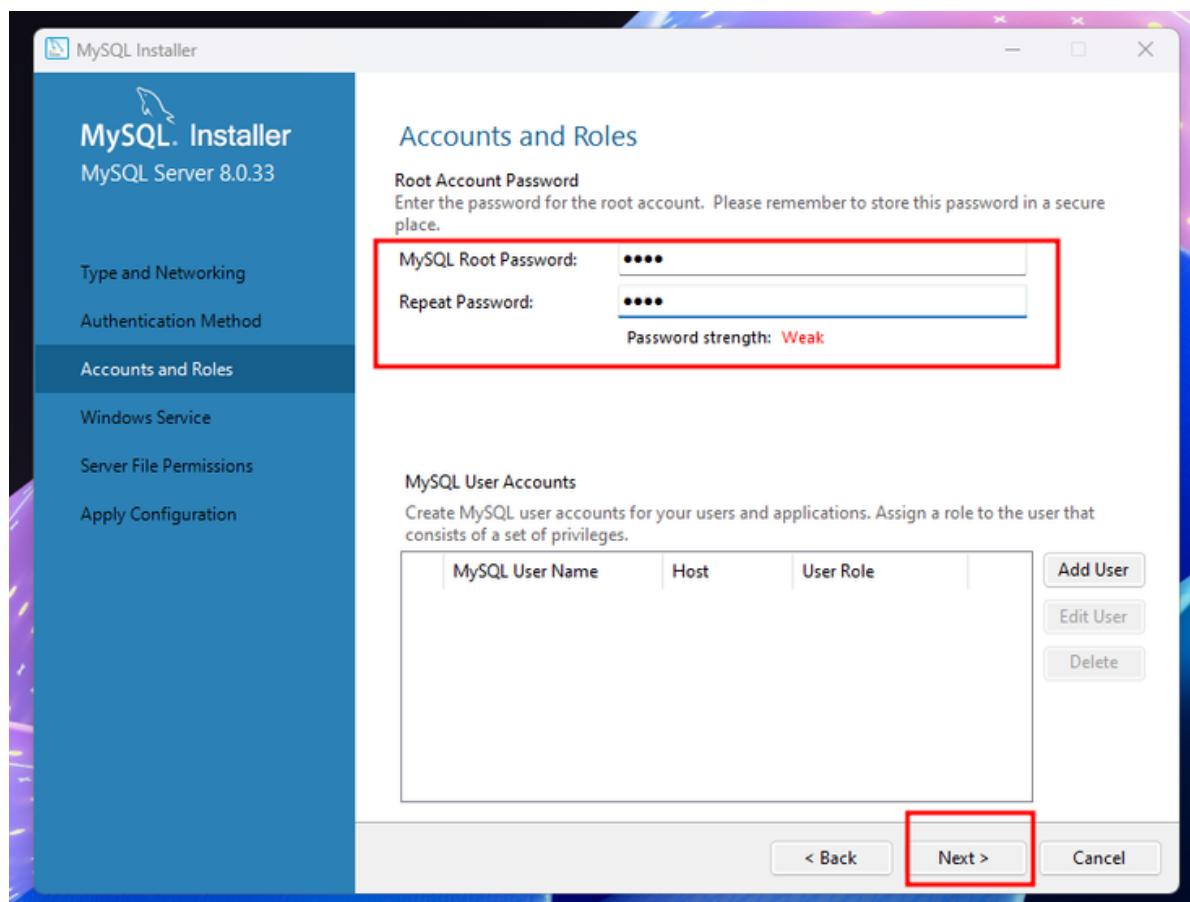
Keep everything as it is and simply click "Next". It will apply the TCP/IP connectivity for our MySQL server.



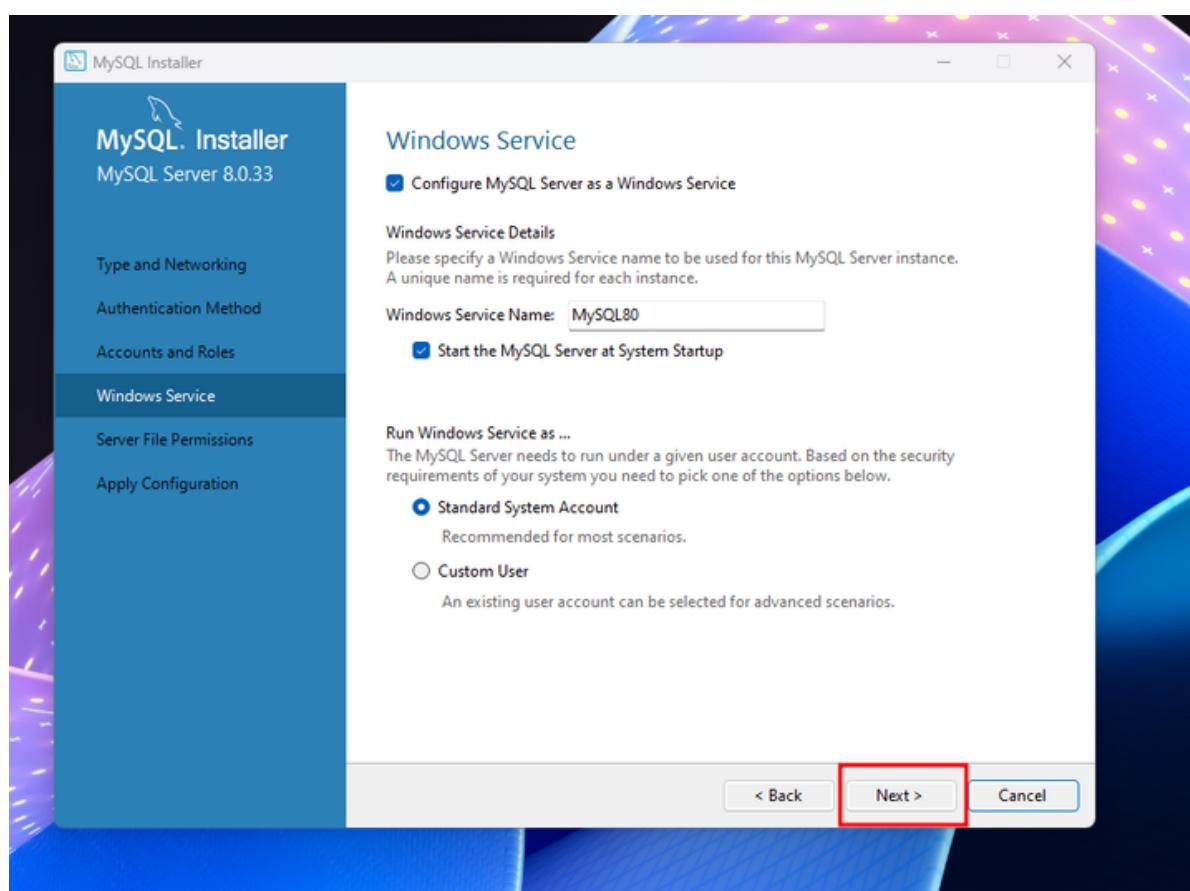
Now give it a Root password. For testing purposes, I am using a very simple "1111" as my password, but I would recommend not doing the same. Also, make sure to remember the password as you will need it when you want to work in MySQL Workbench. Click "Next".



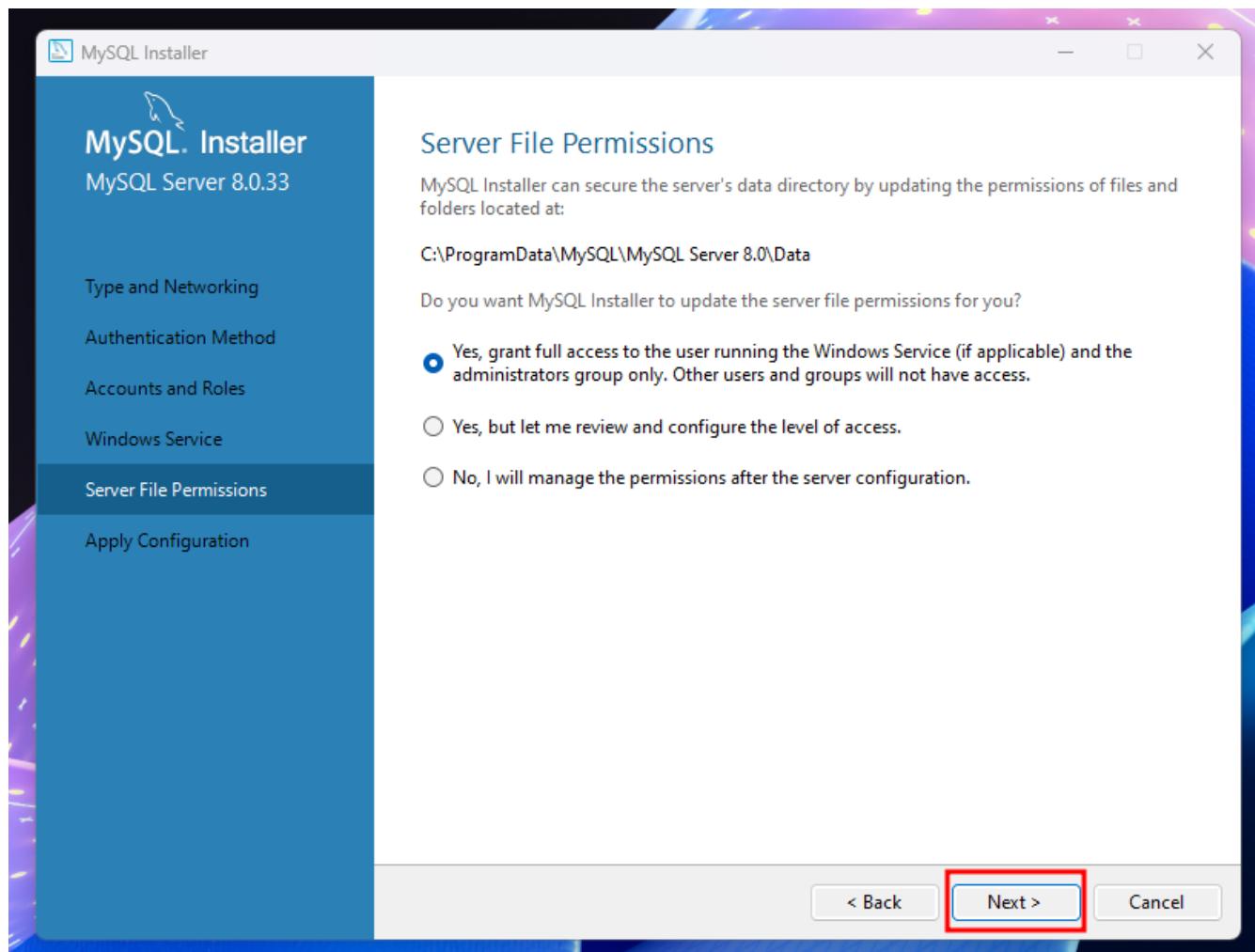
Keep everything as it is, and simply click "Next". It will make sure to setup our root password for the MySQL workbench.



We want to run the service as a Standard System Account for our operating system. Therefore, keep everything as it is, and simply click "Next".



Select the option to grant full access to the user running the Windows Service and then click "Next."

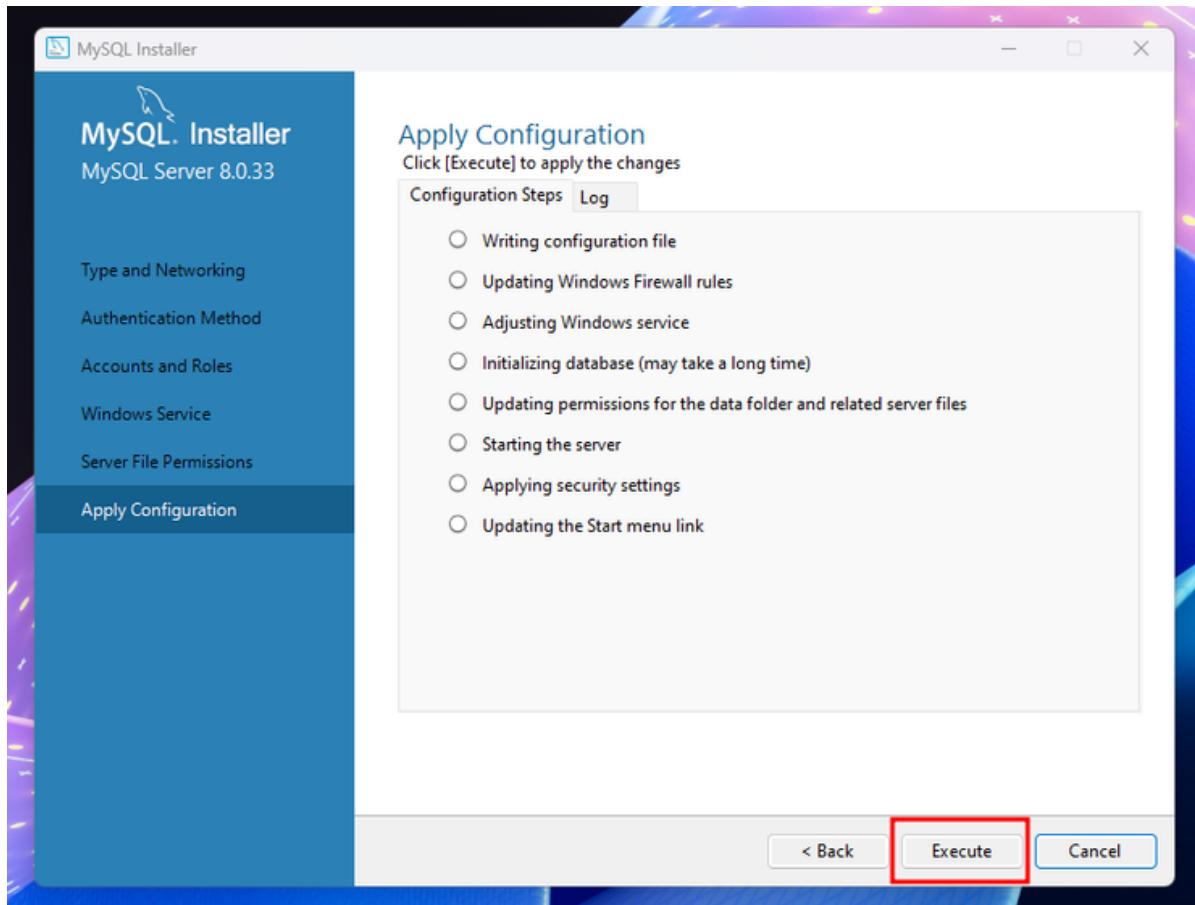


Then click "Execute". This will grant the full access to the user running the Windows service and the administrator group only, but the other users and groups will not have its access.

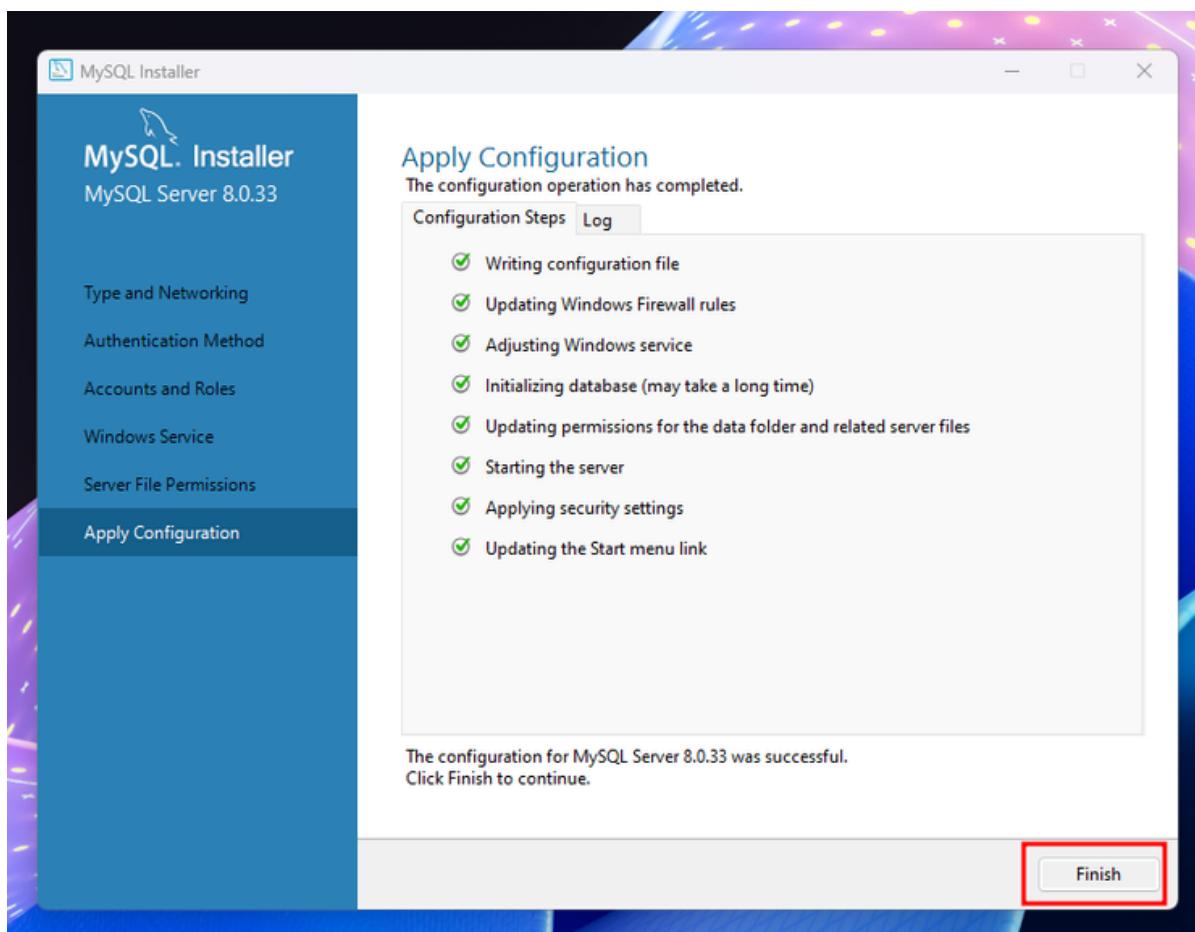
So if you have multiple user accounts in your computer, then they will not be able to access the MySQL server/Workbench. If you want then you can change the settings here based on your need.

As I have only one user account in my Windows machine, I can safely keep the first option selected.

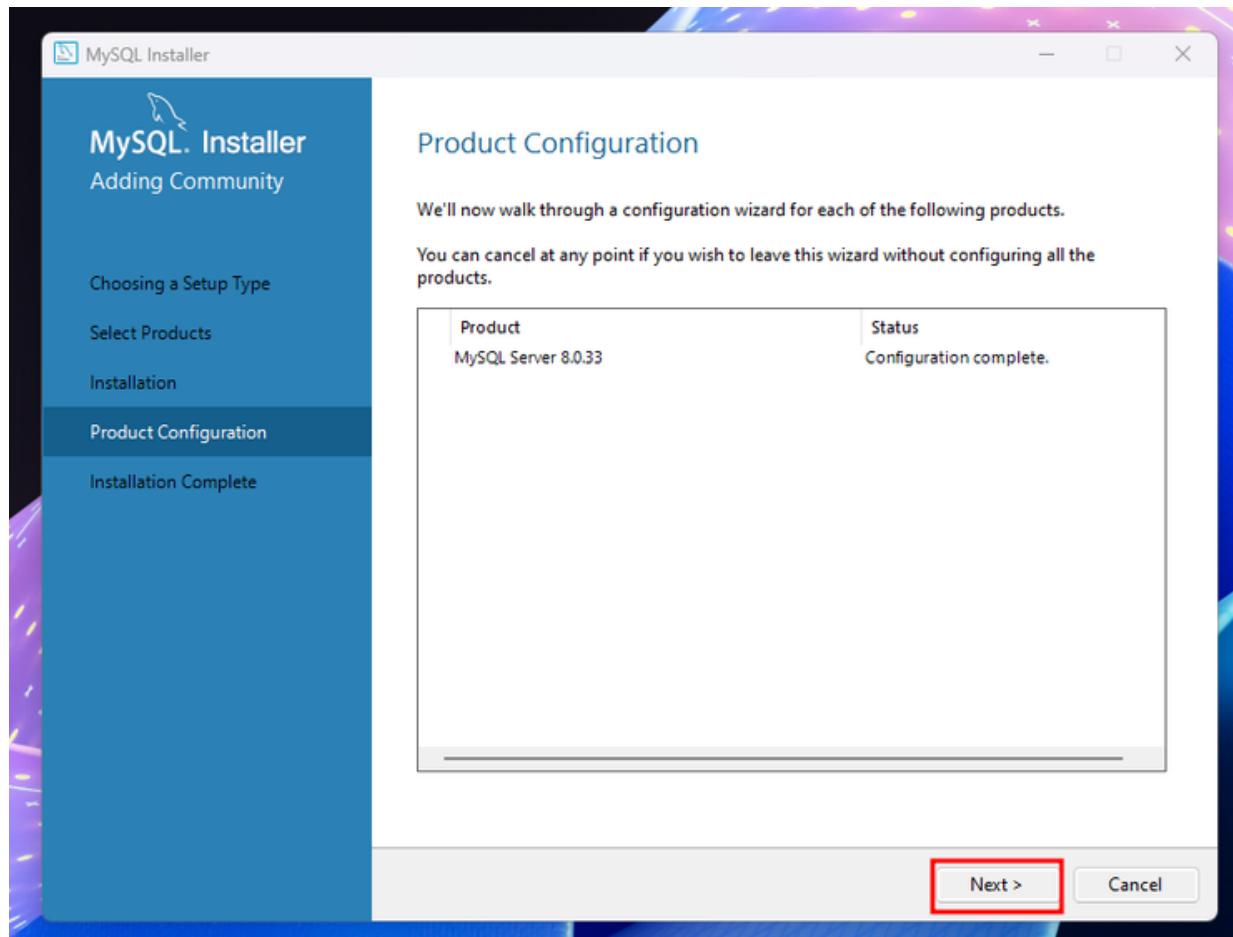




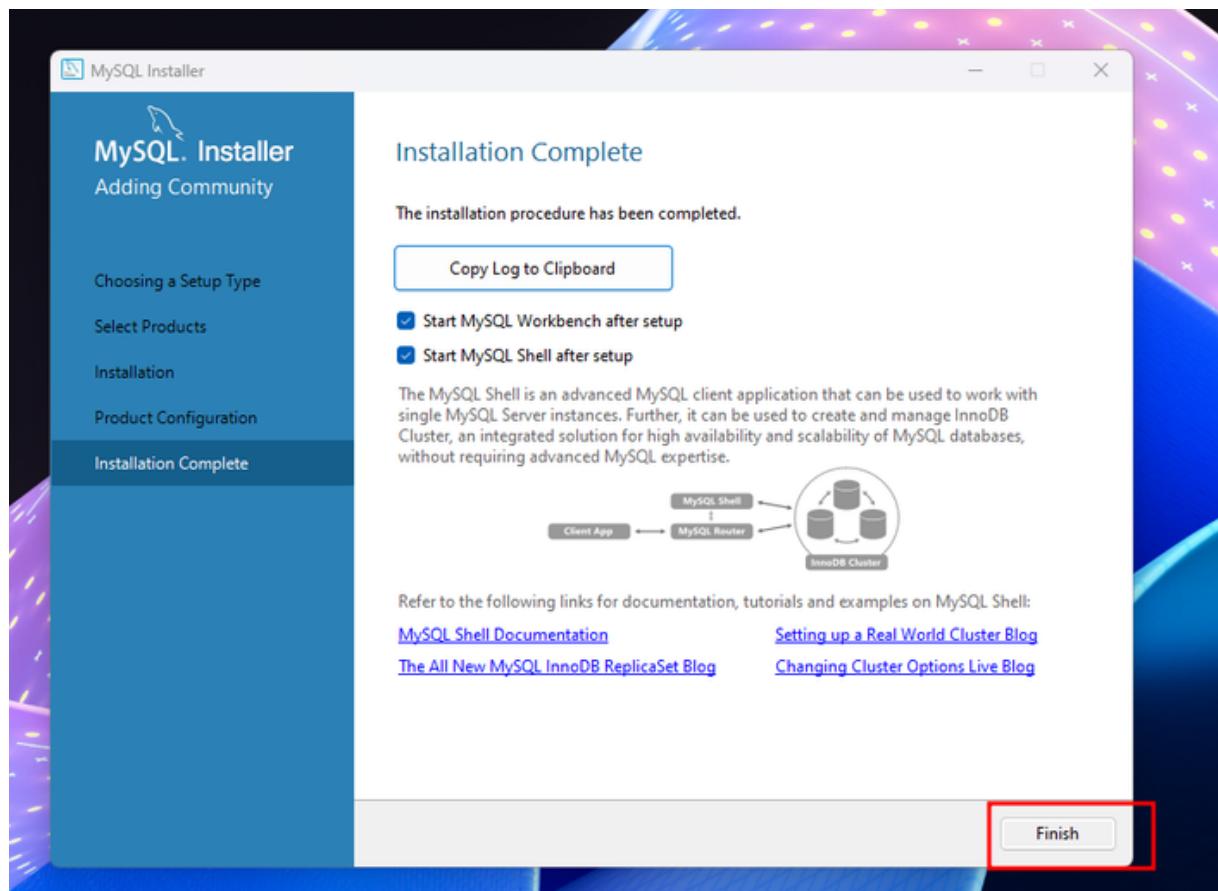
It might take some time. Then when you will receive a green check box in all configuration steps, simply click "Finish".



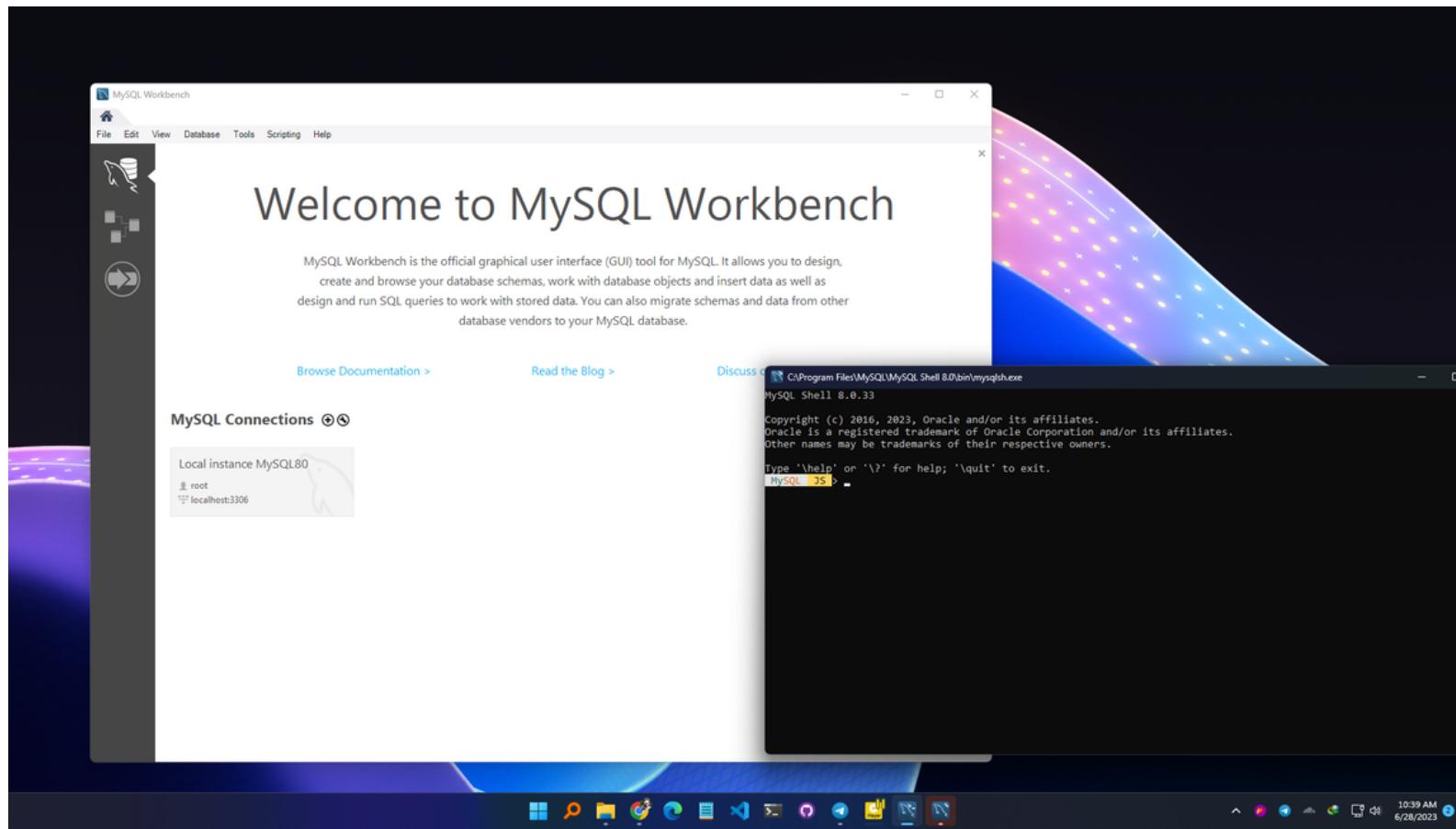
The configuration has been applied successfully. Simply click "Next".



Click "Finish" to complete the installation.



It will open the MySQL Workbench and MySQL Shell. Simply close all of them now.



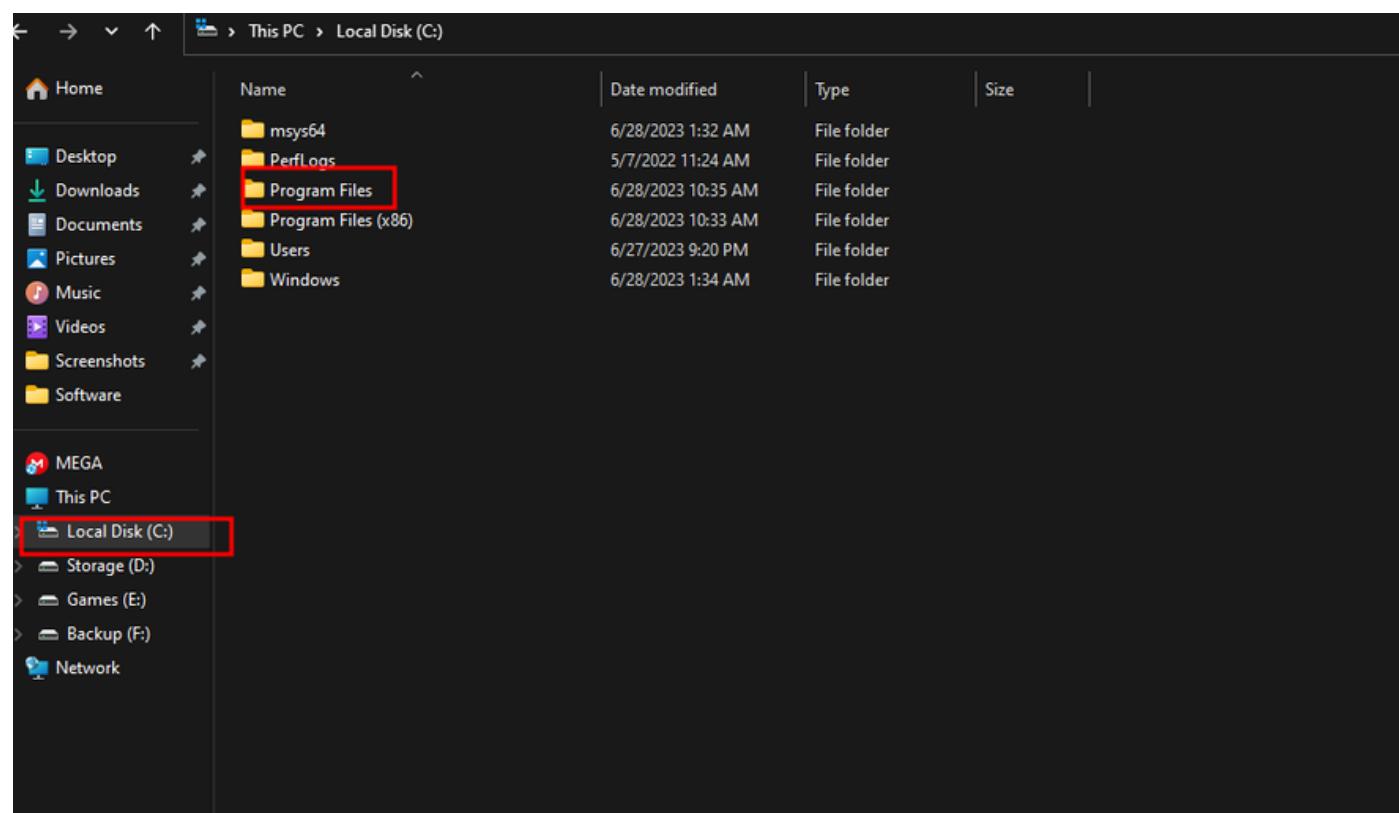
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→ Configuration

Now we need to configure the path variables for our operating system. Go to the drive where you have installed your Windows operating system. Like others, I have also installed my operating system on the "C" drive.

Therefore, I am going to the "C" drive and opening the "Program Files" directory.



Go to the "MySQL" folder.



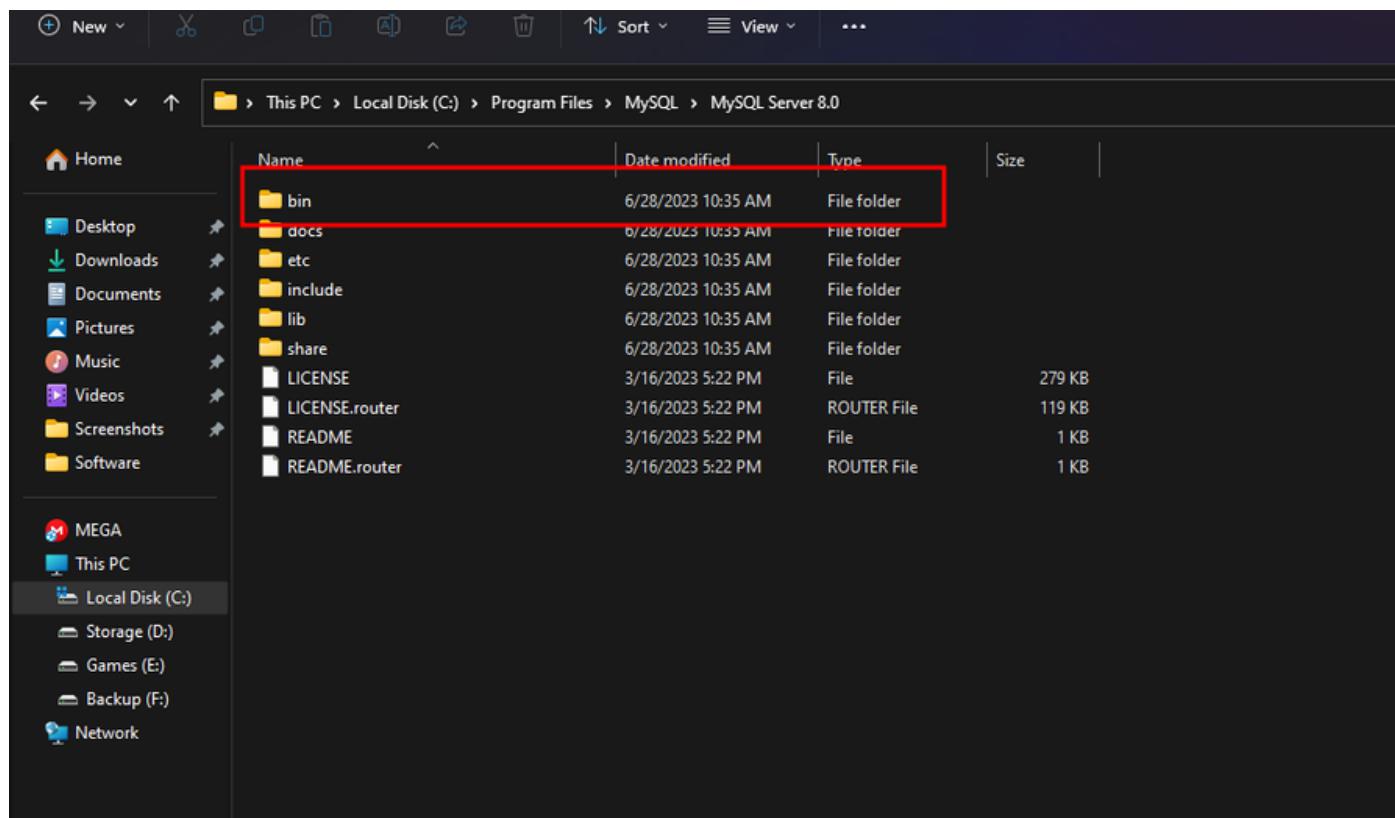
This PC > Local Disk (C:) > Program Files			
	Name	Date modified	Type
Adobe	6/28/2023 1:22 AM	File folder	
Cloudflare	6/28/2023 1:23 AM	File folder	
Common Files	6/28/2023 1:15 AM	File folder	
DAUM	6/27/2023 9:21 PM	File folder	
ESET	6/28/2023 12:36 AM	File folder	
Everything	6/27/2023 9:31 PM	File folder	
Flameshot	6/27/2023 9:31 PM	File folder	
Git	6/27/2023 9:33 PM	File folder	
Google	6/27/2023 9:33 PM	File folder	
Internet Explorer	6/28/2023 12:04 AM	File folder	
Microsoft Update Health Tools	6/27/2023 11:40 PM	File folder	
Mister Horse Product Manager	6/28/2023 1:29 AM	File folder	
ModifiableWindowsApps	5/7/2022 11:24 AM	File folder	
MySQL	6/28/2023 10:35 AM	File folder	
nodejs	6/28/2023 1:53 AM	File folder	
NVIDIA Corporation	6/27/2023 9:10 PM	File folder	
PowerShell	6/28/2023 1:33 AM	File folder	
qBittorrent	6/27/2023 10:38 PM	File folder	
TeamViewer	6/28/2023 1:35 AM	File folder	
Windows Defender	6/27/2023 11:40 PM	File folder	
Windows Defender Advanced Threat Prot...	6/28/2023 12:04 AM	File folder	
Windows Mail	5/5/2023 7:05 PM	File folder	
Windows Media Player	6/27/2023 10:17 PM	File folder	
Windows NT	5/7/2022 1:30 PM	File folder	
Windows Photo Viewer	5/7/2022 1:39 PM	File folder	
WindowsPowerShell	5/7/2022 11:42 AM	File folder	
WinRAR	6/27/2023 9:14 PM	File folder	

Then go to the MySQL Server folder.

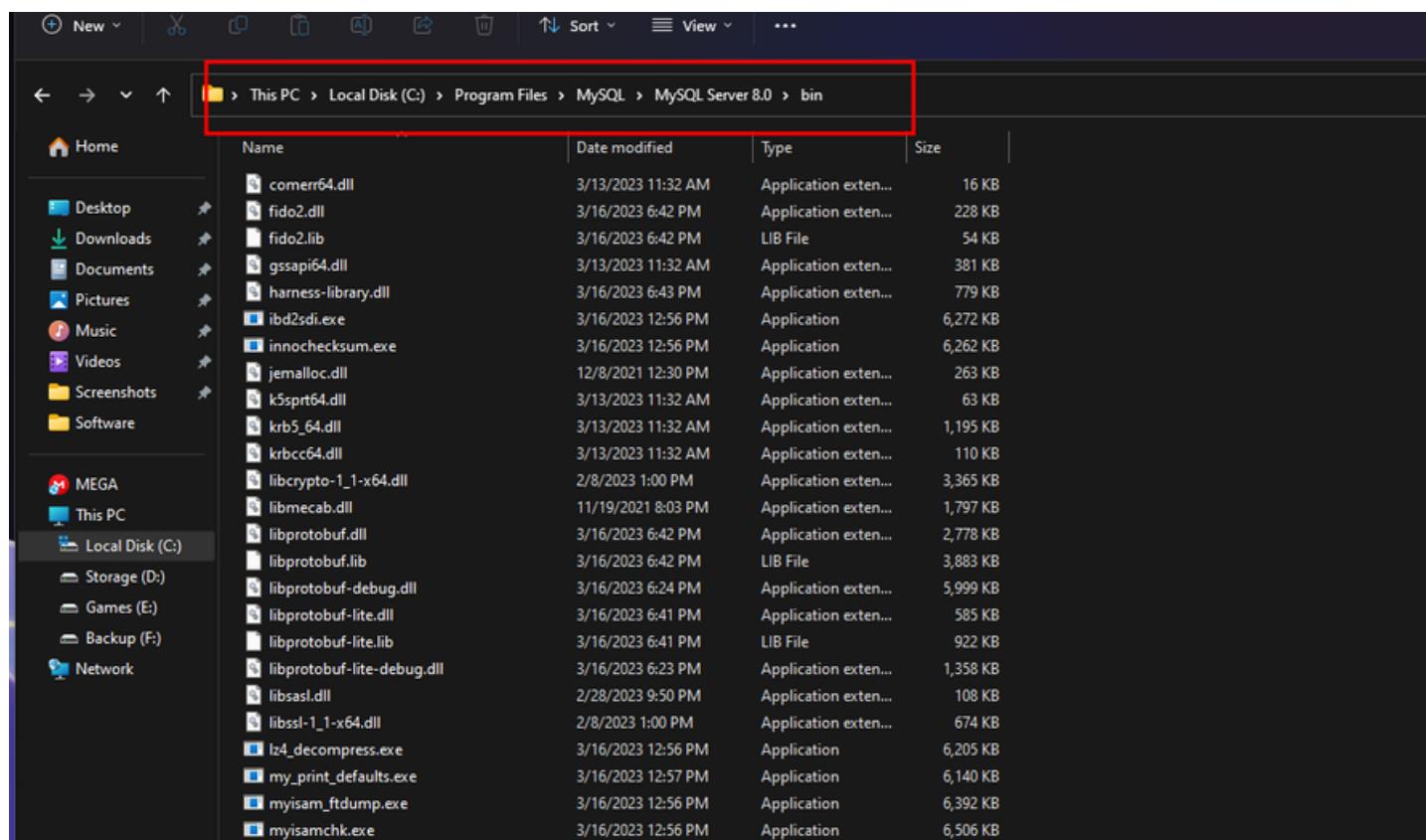
This PC > Local Disk (C:) > Program Files > MySQL			
	Name	Date modified	Type
MySQL Server 8.0	6/28/2023 10:35 AM	File folder	
MySQL Shell 8.0	6/28/2023 10:36 AM	File folder	
MySQL Workbench 8.0	6/28/2023 10:35 AM	File folder	



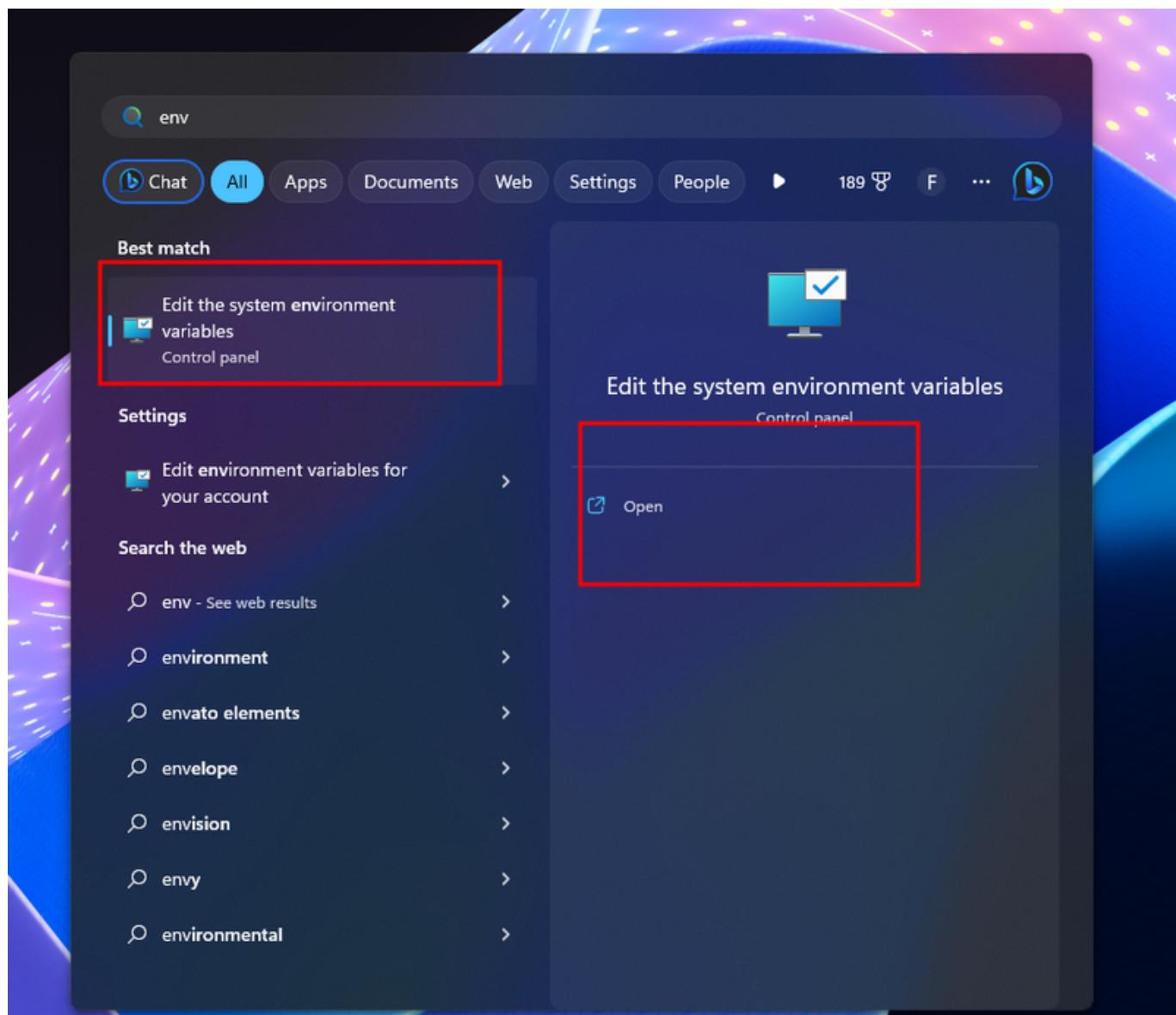
Go to the "bin" folder.



Copy the path/address.

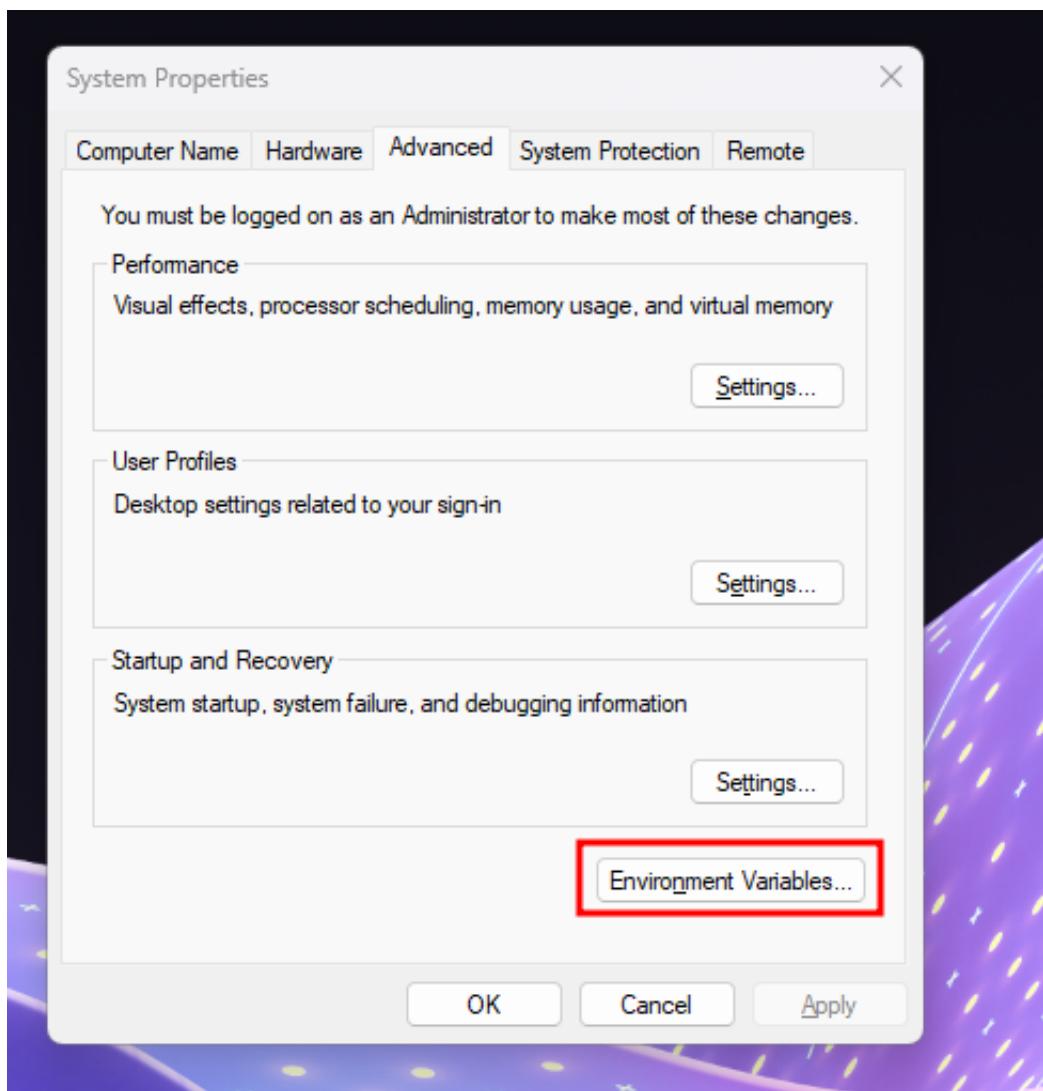


Now open the Environment Variables settings. Simply click on the Windows button and type "env".

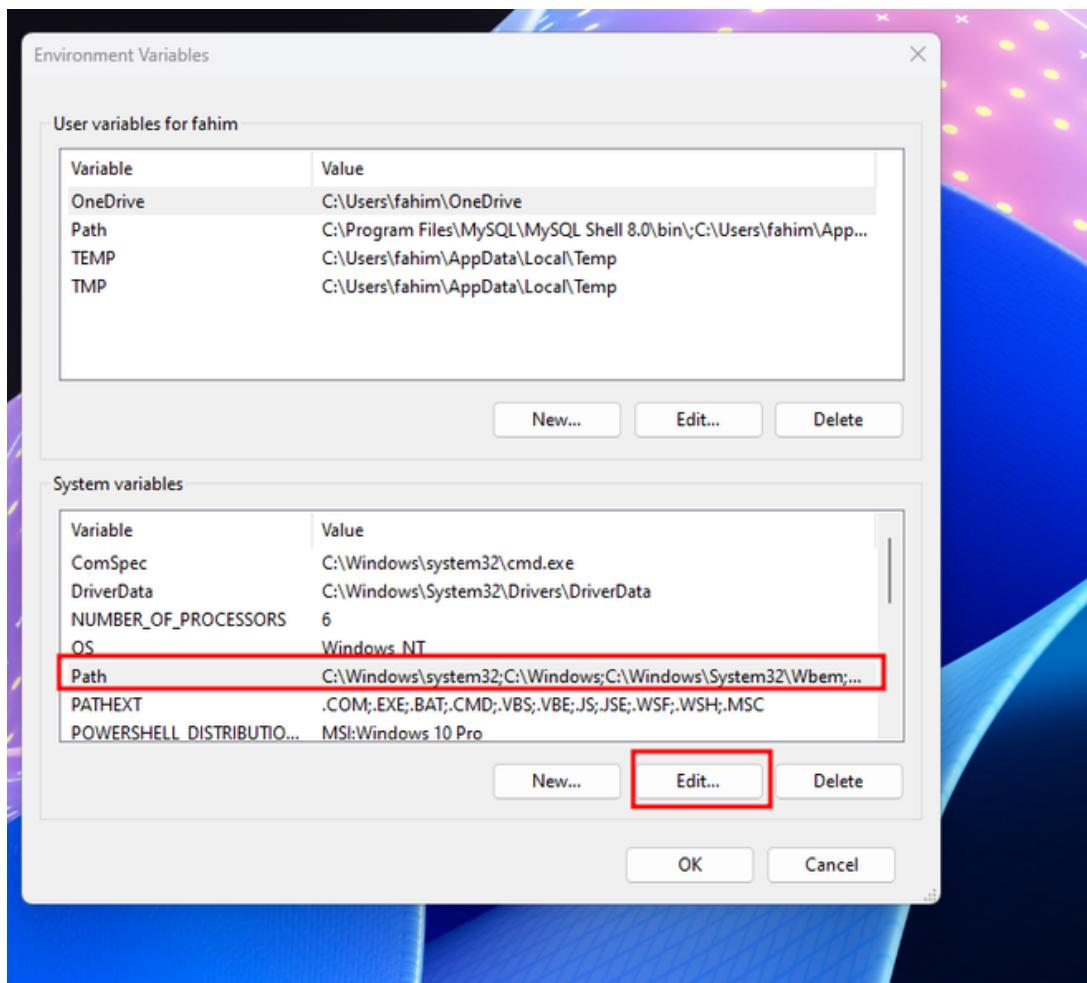


Click "Environment Variables".

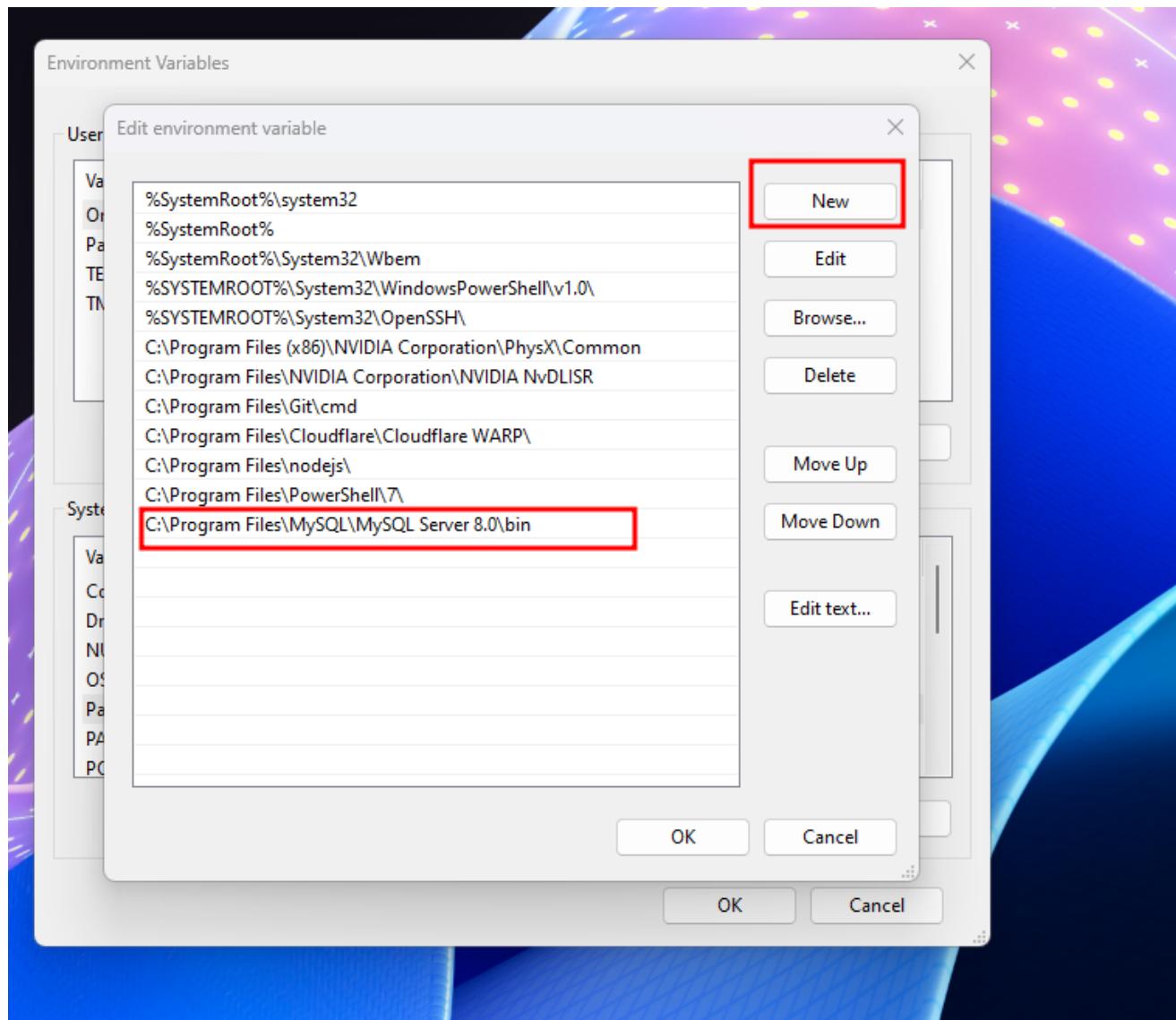




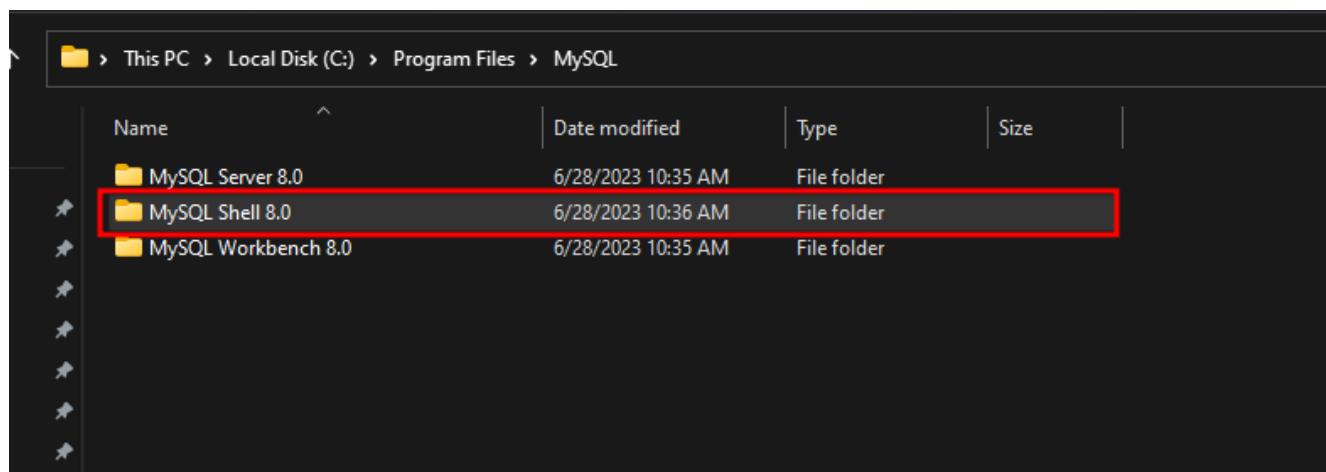
Select the "Path" and click "Edit".



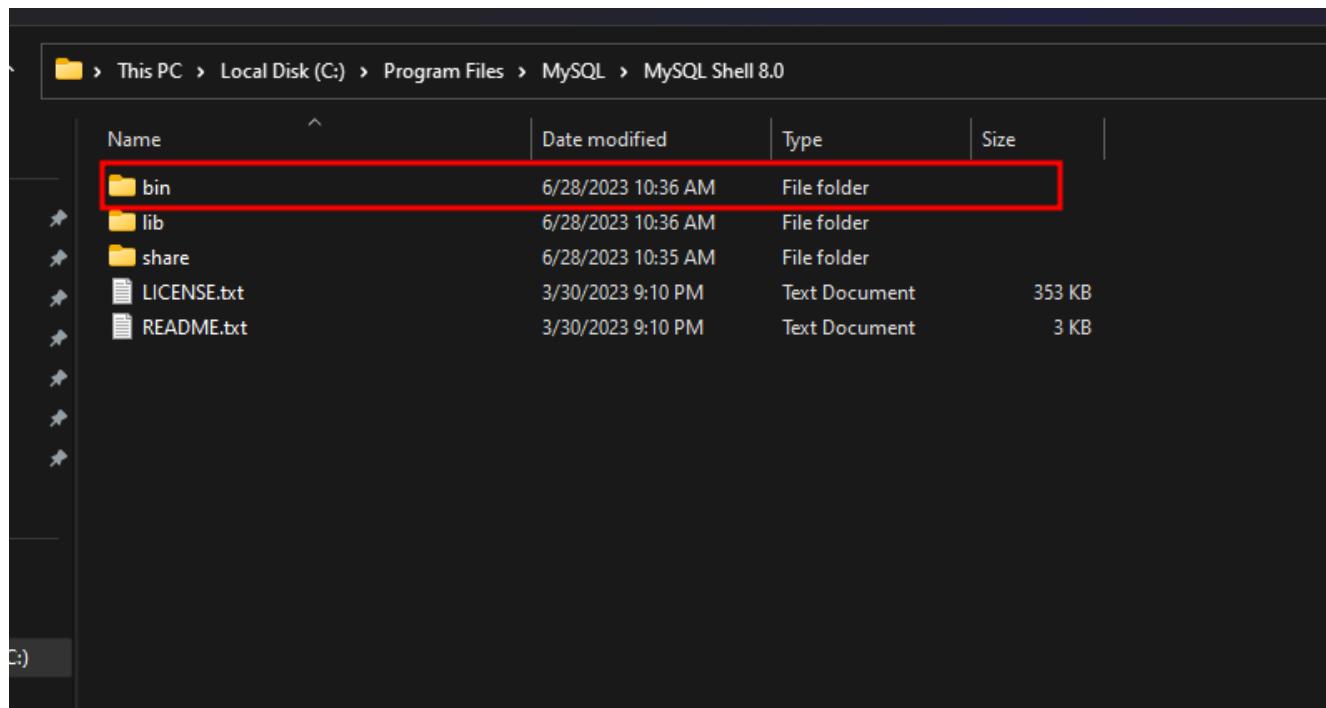
Click "New". A new blank box will appear. Paste the path/address that you copied earlier. Do not close the window now as we need to do the same thing for the MySQL Shell folder.



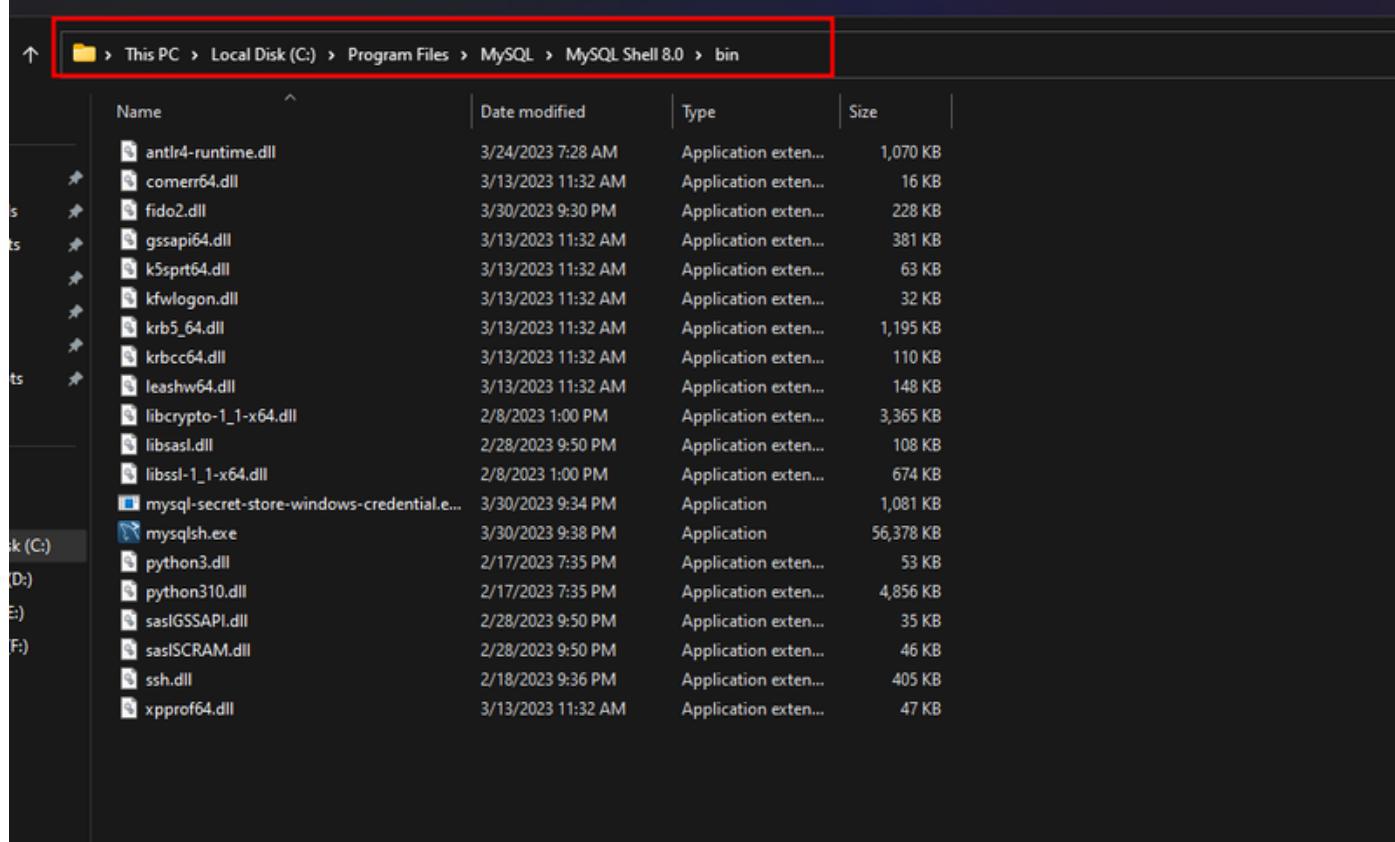
Now, we need to do the same thing for the MySQL Shell also. Open the MySQL Shell folder now.



Go to the "bin" folder.



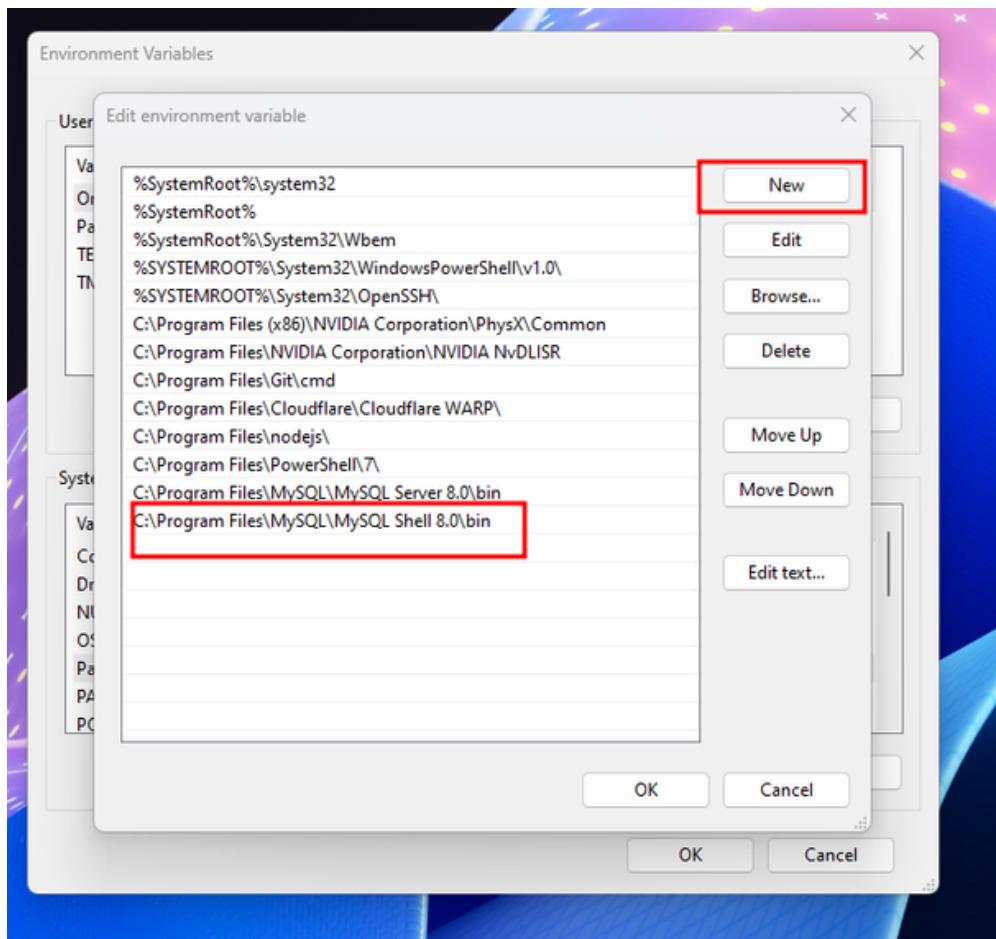
Copy the path/directory.



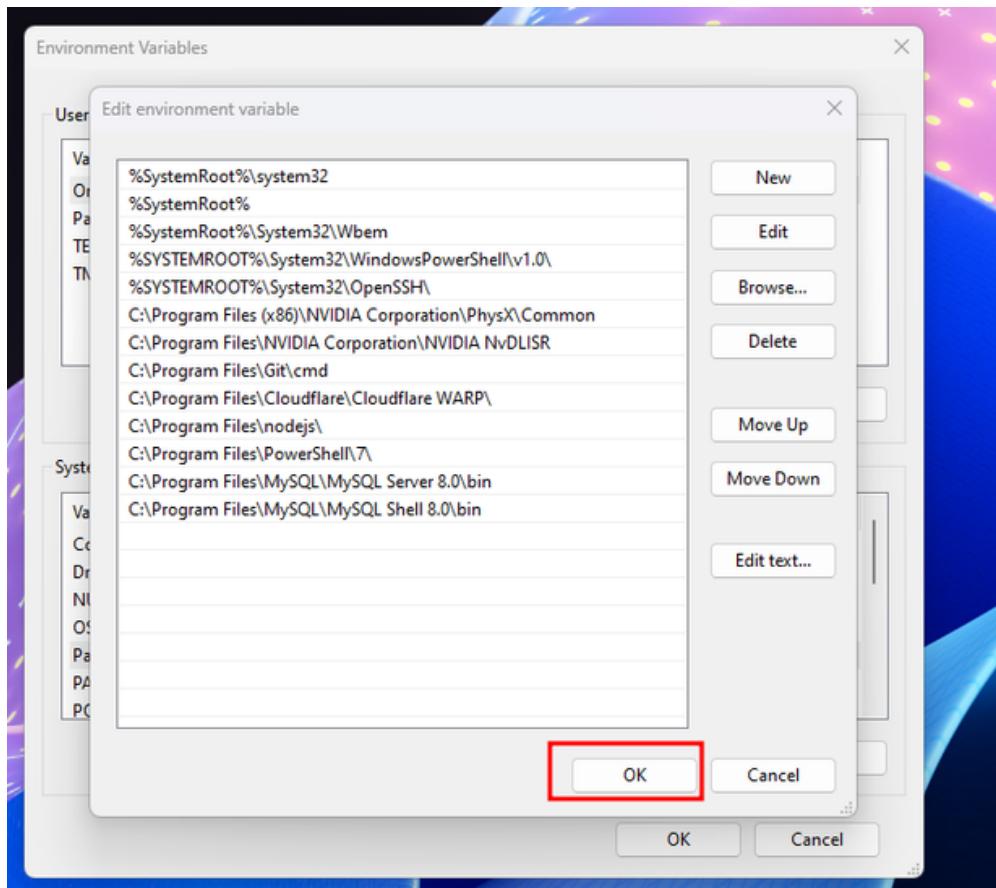
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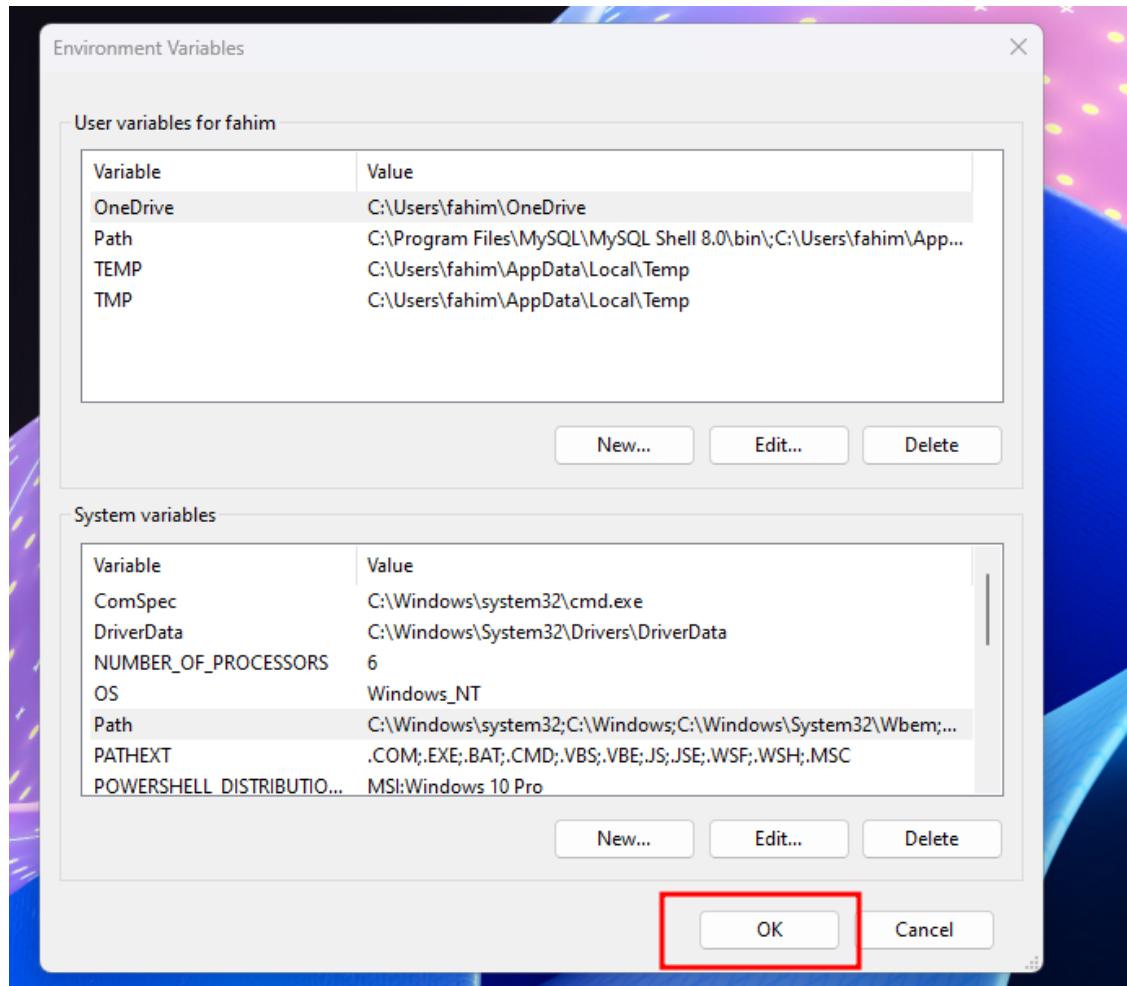
Now apply the same process as you did earlier. Click "New" on the Edit environment variable window. Paste the path/directory in the new blank box.



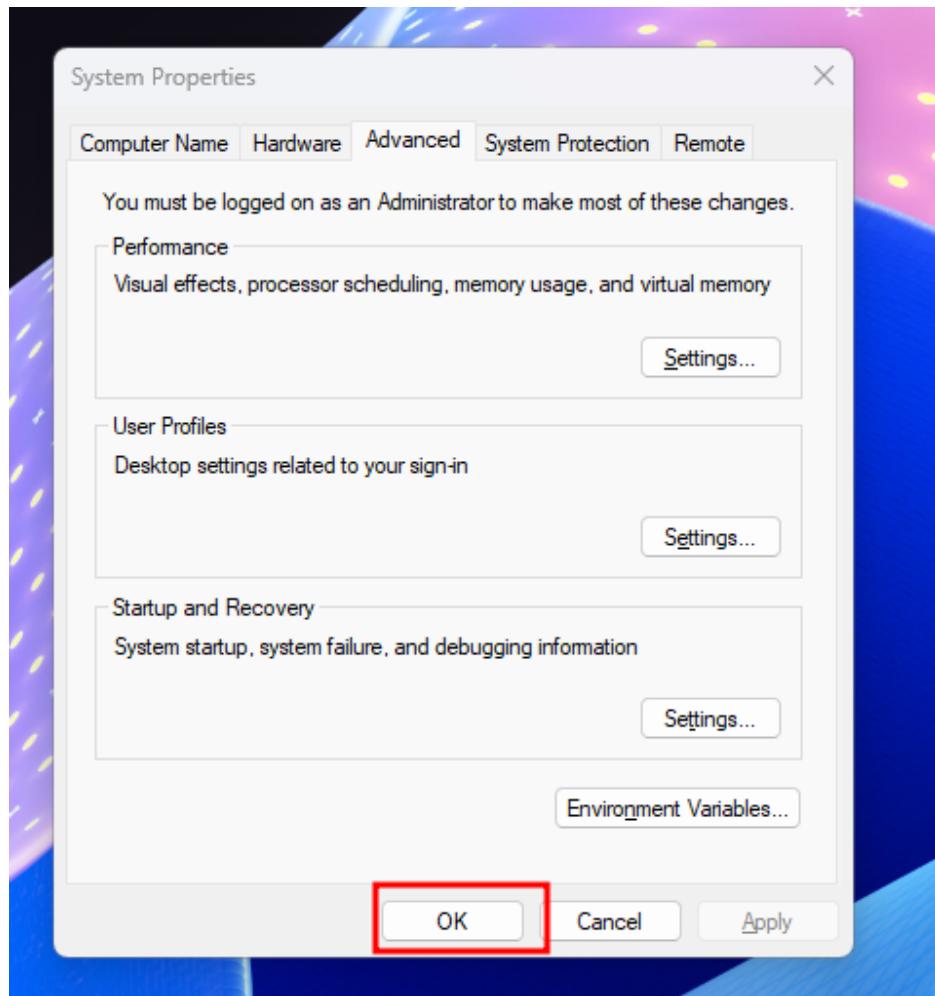
Now click "OK".



Click "OK" again.



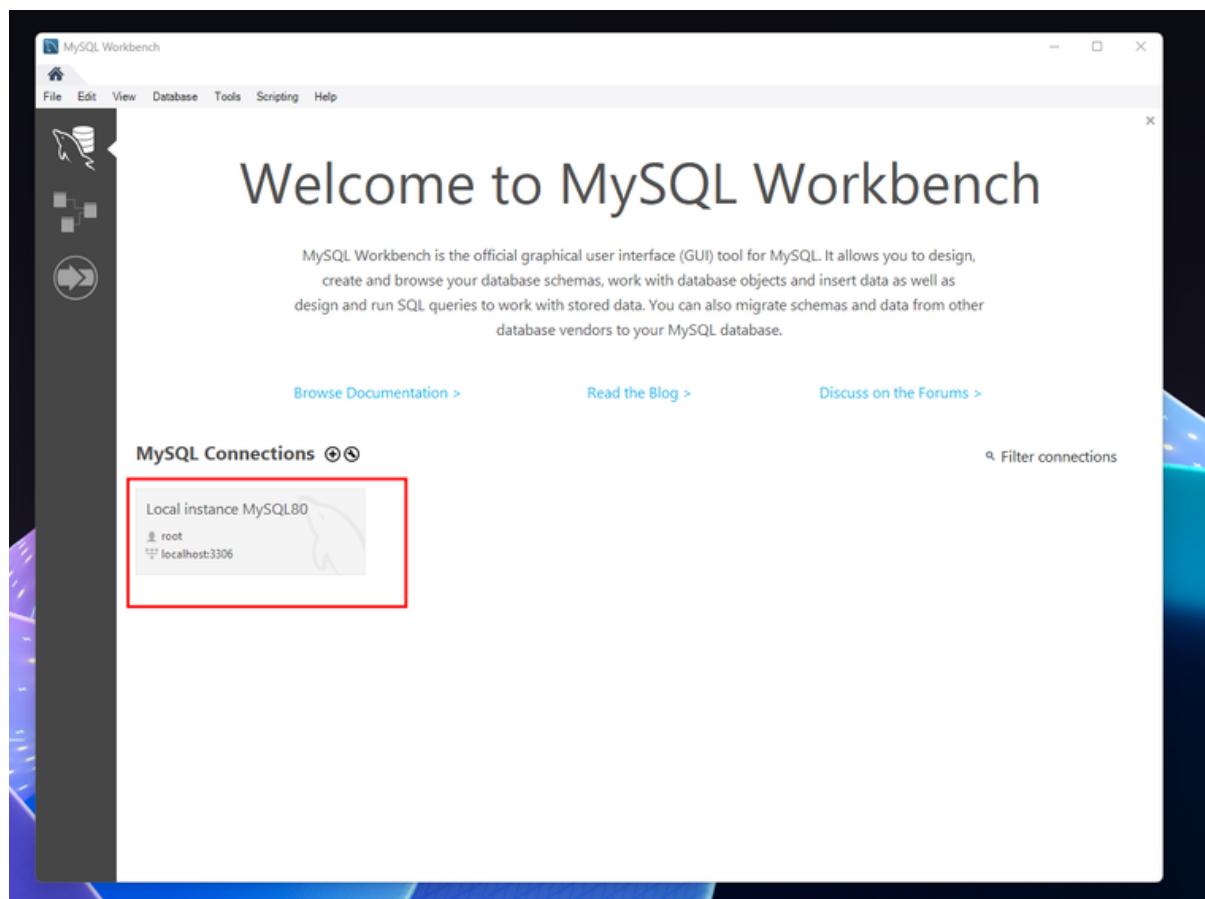
And click "OK" one more time.





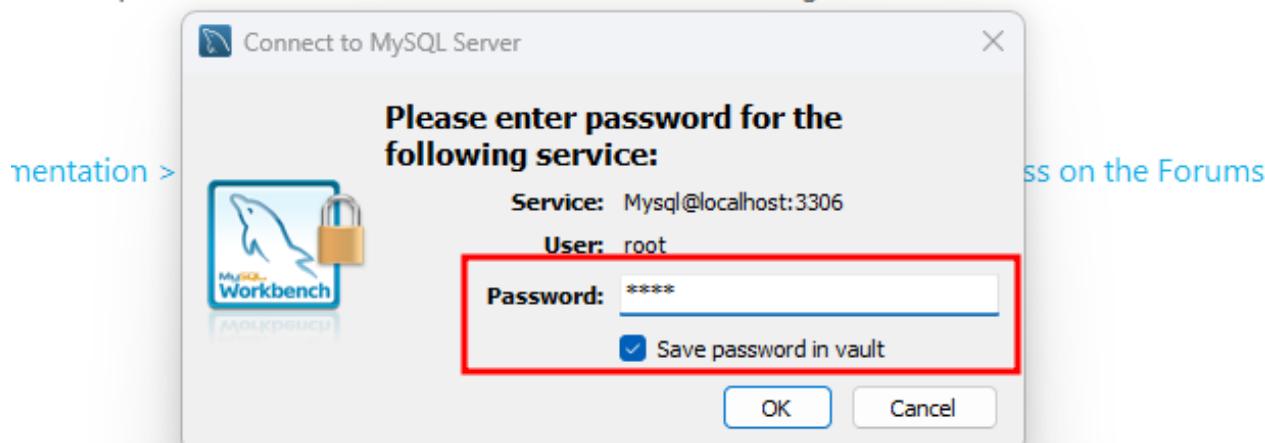
Finishing Up

Our task is now finished. You can now open the MySQL Workbench.

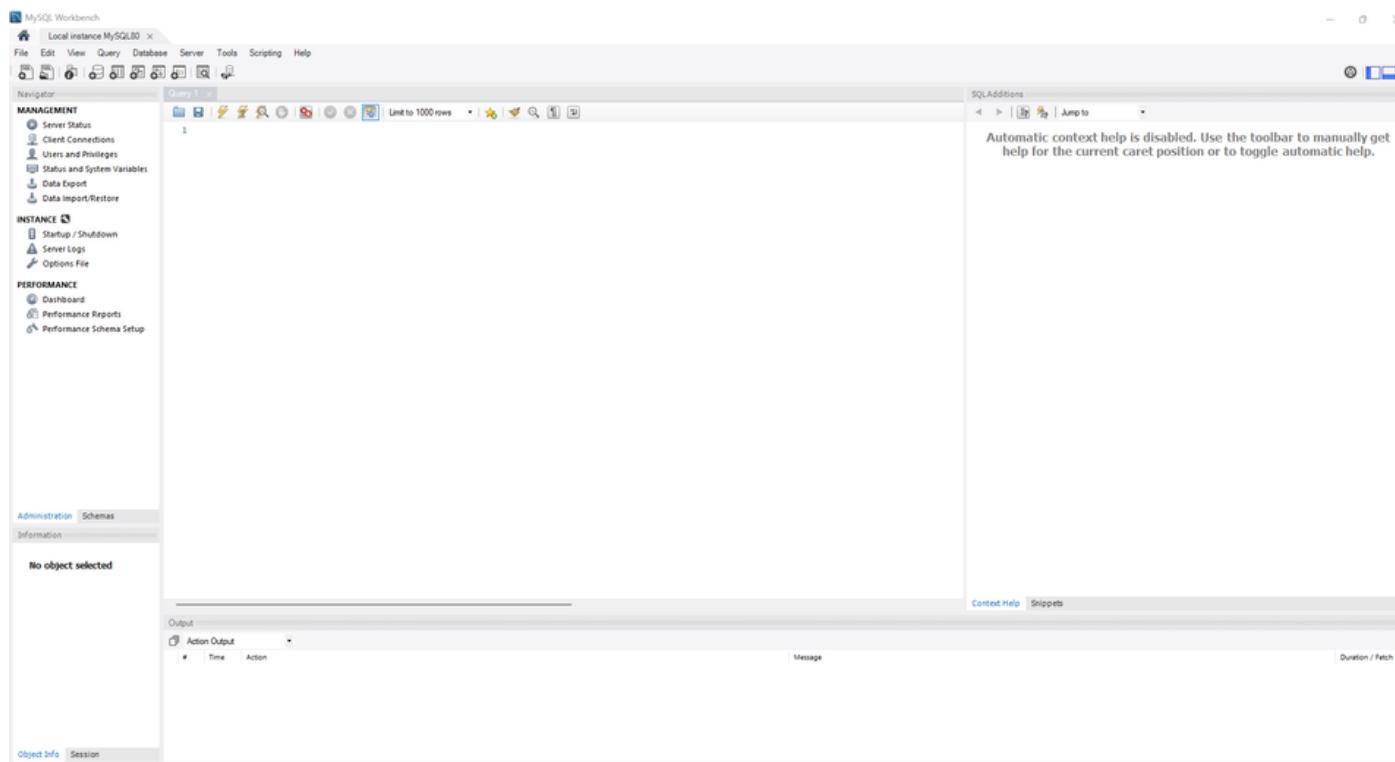


Simply click on the Local instance. It will ask for the root password. Enter the password. If you do not want to go into the same hassle of entering a password every time, check the box on save password in the vault. Click "OK".

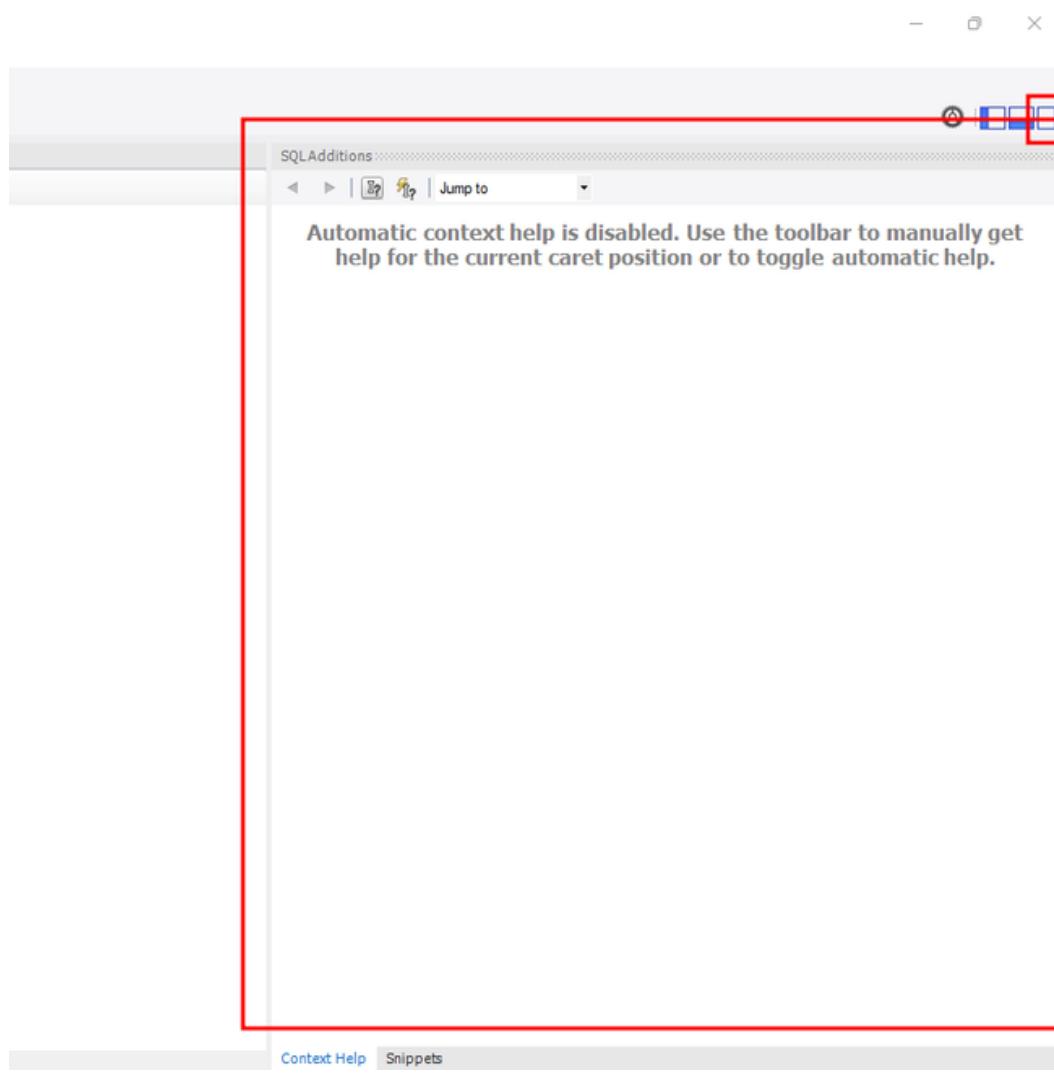
browse your database schemas, work with database objects and insert data as well as
n SQL queries to work with stored data. You can also migrate schemas and data from oth



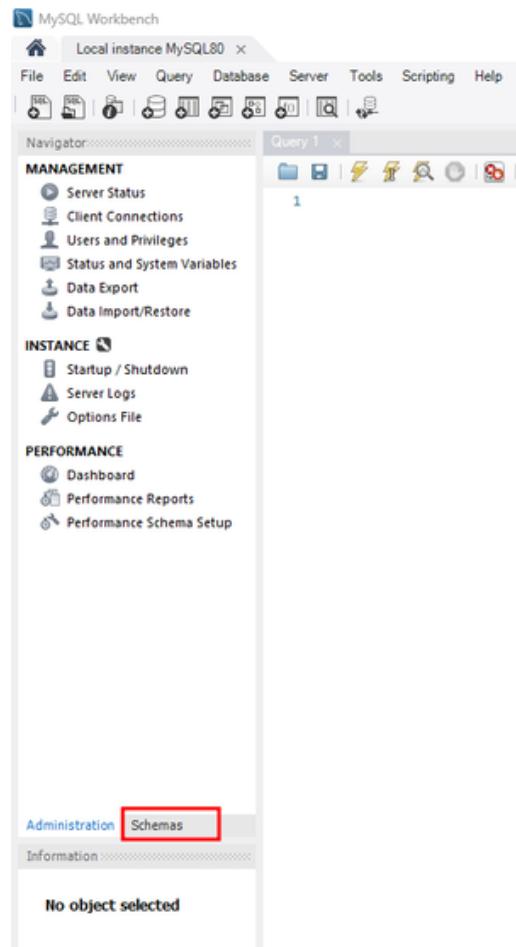
This is your default MySQL Workbench workspace.



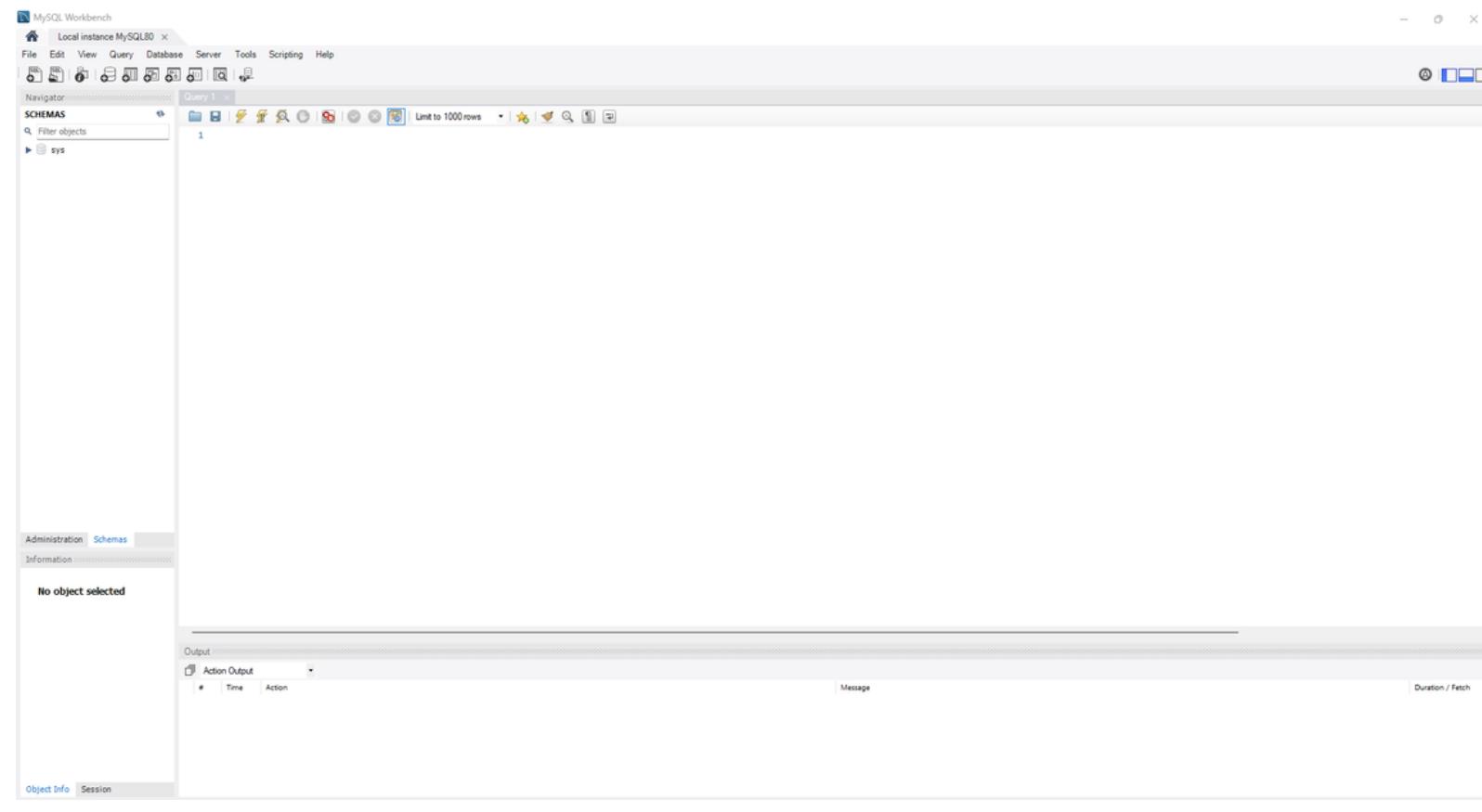
If you want then you can also hide the SQL Additions tab by clicking on the colored box.



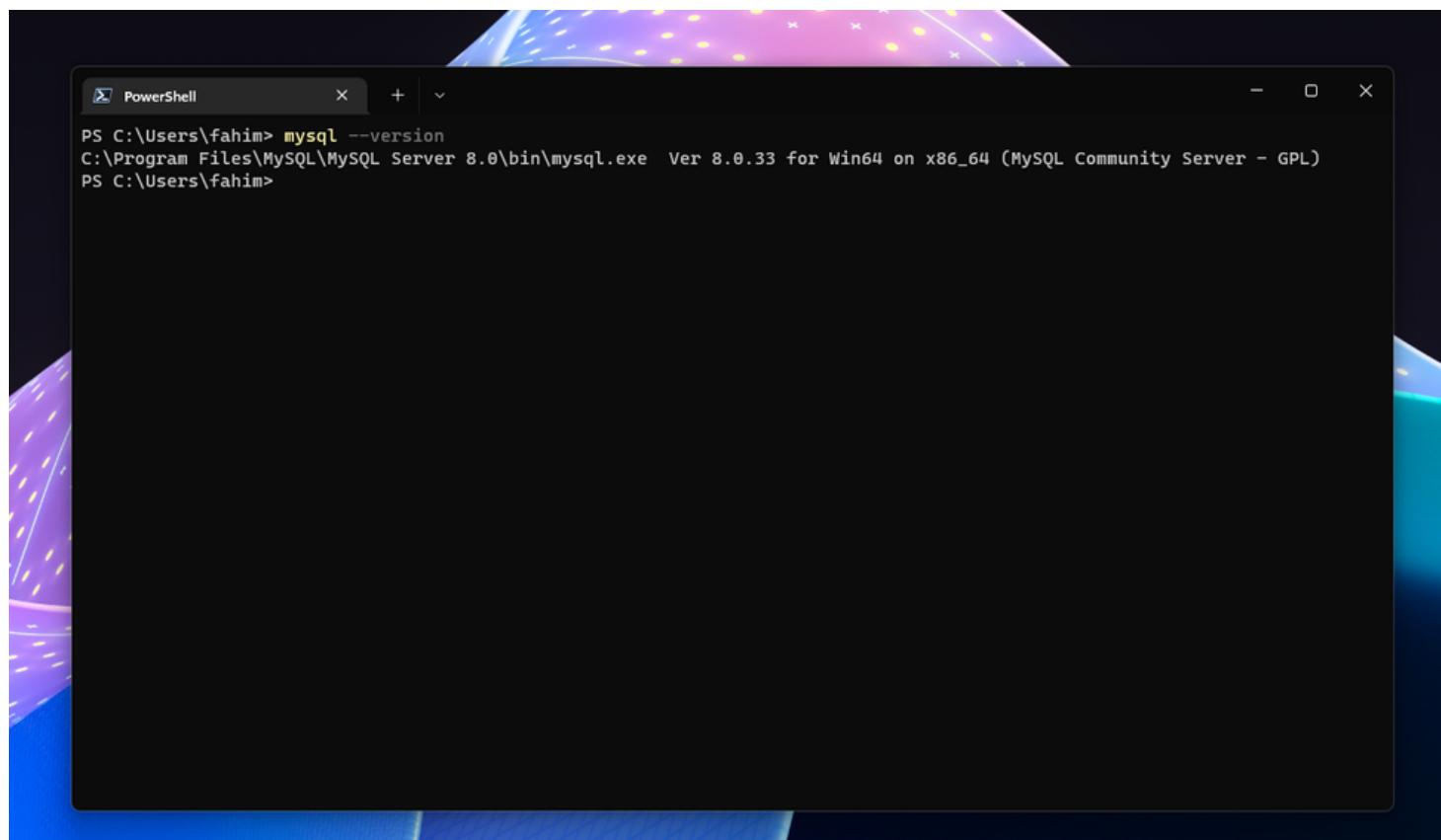
For getting the Schemas, click on the "Schemas" tab from the navigator.



Your MySQL Workbench is also ready for any kind of development process. You can also use MySQL from your terminal as well.



For getting the Schemas, click on the "Schemas" tab from the navigator.



Congrats!

you've successfully installed MySQL Workbench.

Start practicing SQL queries over it.

Don't know where to start?

I'm creating a simple SQL tutorial series,

follow **Leon Jose** and enable notification to get new post updates :)



HELPFUL? REPOST

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