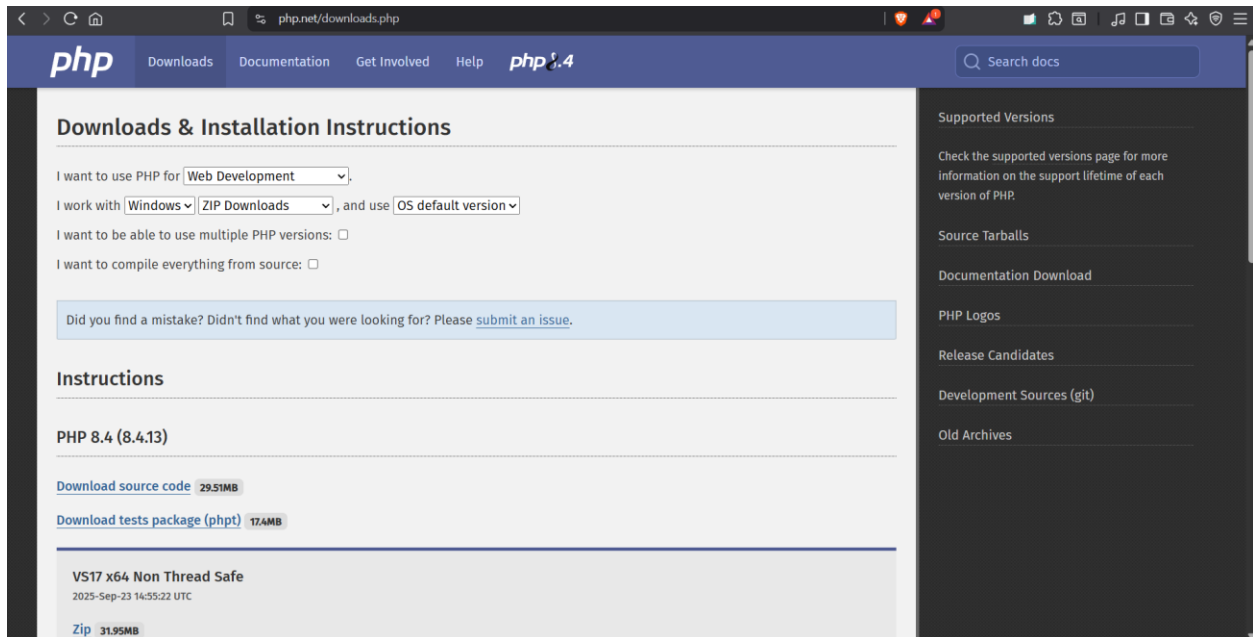


PHP STEP-BY-STEP INSTALLATION

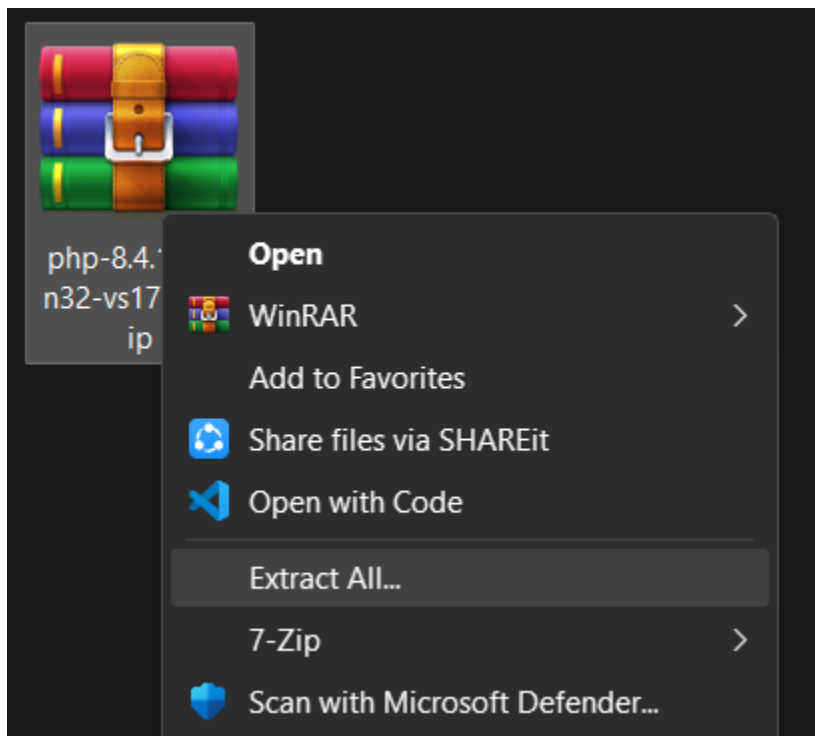
Go to php.net/downloads.php



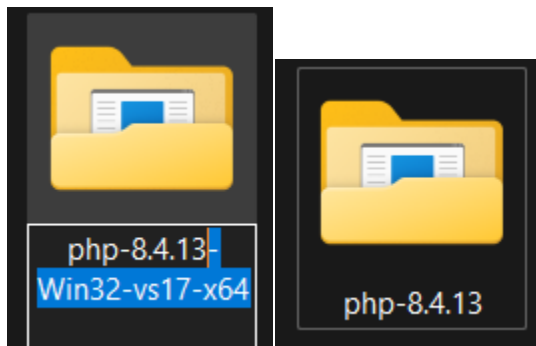
Download the zip file under “VS17 x64 Thread Safe”



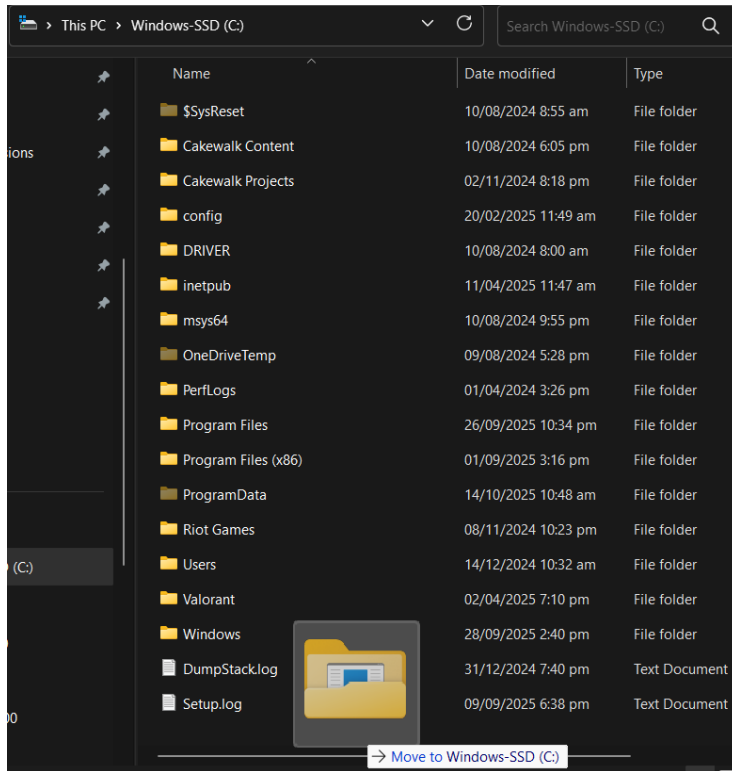
Extract the zip file



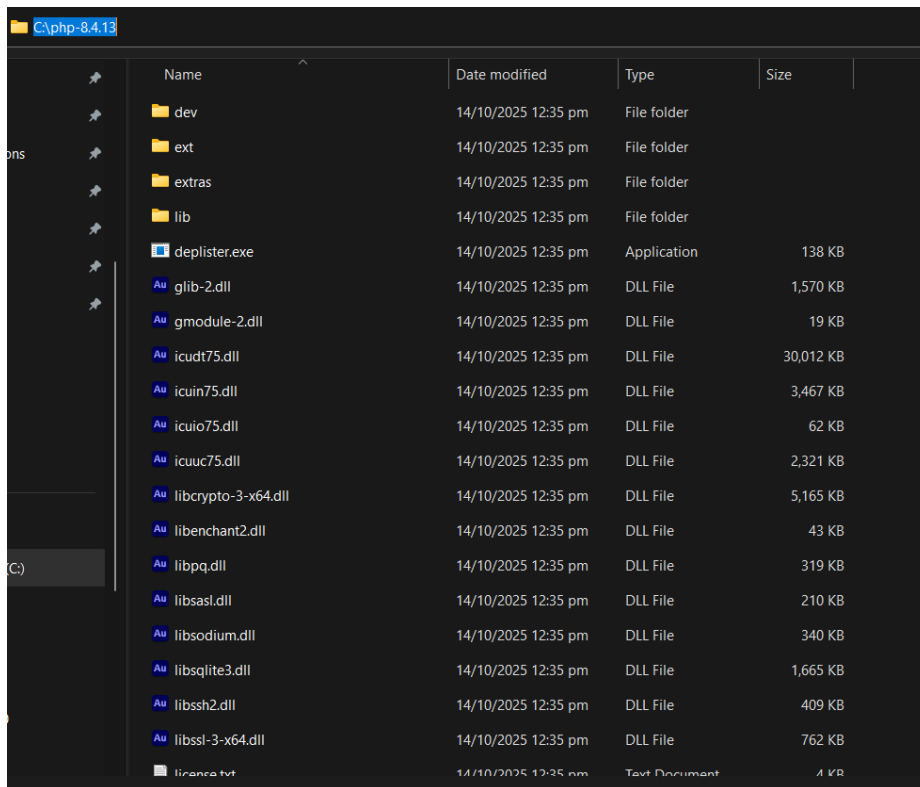
Rename the folder—leaving only php-versionnumber



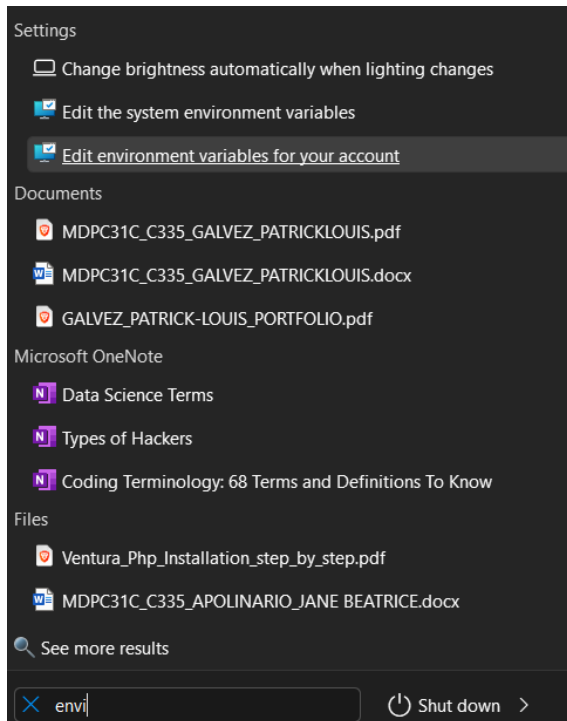
Move the folder to your main drive



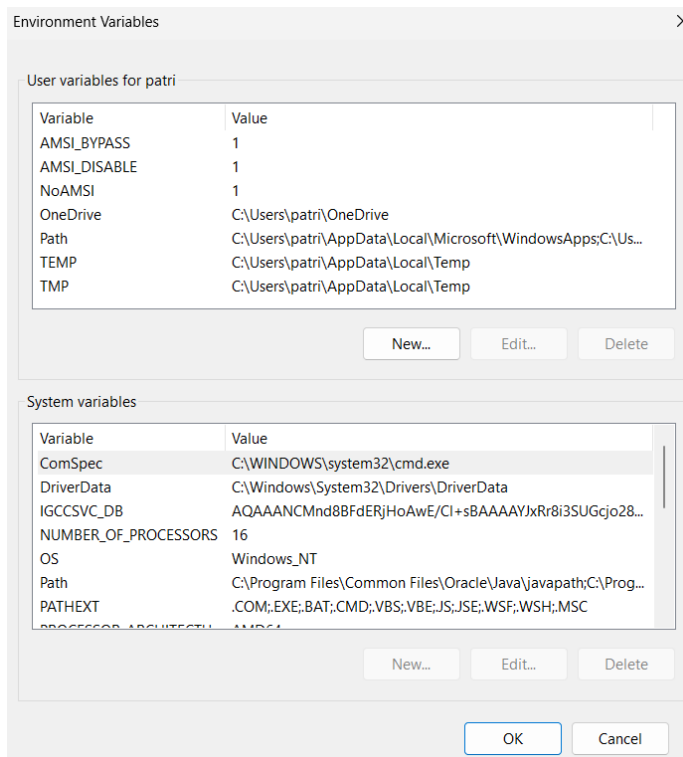
Enter the folder and copy the file path



Type “Environment variables” in the start menu search and click on “Edit environment variables for your account”



If you want to add the variable only to the current user then use the top section, if you want it for the entire system then use the bottom section. Following steps are the same regardless



Select "Path" then Edit

Variable	Value
AMSI_BYPASS	1
AMSI_DISABLE	1
NoAMSI	1
OneDrive	C:\Users\patri\OneDrive
Path	C:\Users\patri\AppData\Local\Microsoft\WindowsApps;C:\Us...
TEMP	C:\Users\patri\AppData\Local\Temp
TMP	C:\Users\patri\AppData\Local\Temp

New...

Edit...

Delete

Click “New” and paste the previously copied file path

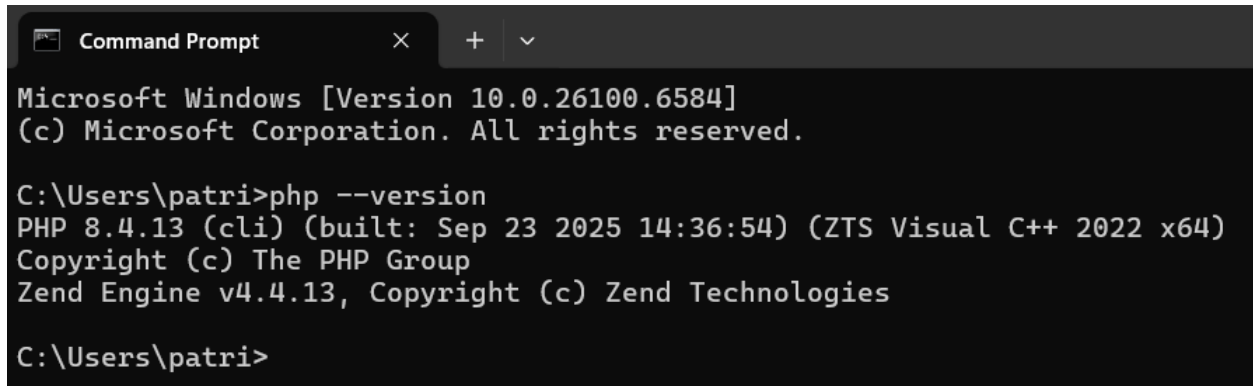
%USERPROFILE%\AppData\Local\Microsoft\WindowsApps
 C:\Users\patri\AppData\Local\Programs\Microsoft VS Code\bin
 C:\msys64\ucrt64\bin
 C:\msys64\mingw32\bin
 C:\msys64\mingw64\bin
 C:\php-8.4.13

New
 Edit
 Browse...
 Delete
 Move Up
 Move Down
 Edit text...

OK Cancel

Press ok in both windows and open command prompt after closing it

Type “php –version” and it should respond as shown

A screenshot of a Windows Command Prompt window. The title bar shows 'Command Prompt' with standard window controls. The text inside the window displays the output of the 'php --version' command. It starts with the Microsoft Windows version and copyright information. Then, it shows the PHP version (8.4.13), build date (Sep 23 2025 14:36:54), and the fact that it was built with ZTS Visual C++ 2022 x64. It also includes copyright information for The PHP Group and Zend Technologies. The prompt is currently at 'C:\Users\patri>'.

```
Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

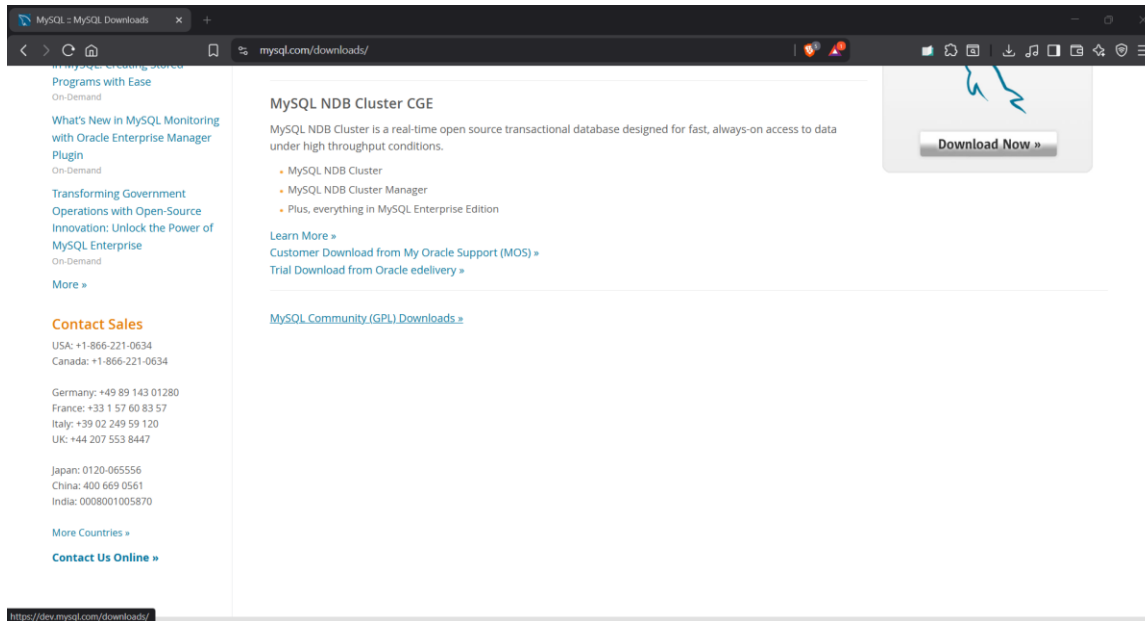
C:\Users\patri>php --version
PHP 8.4.13 (cli) (built: Sep 23 2025 14:36:54) (ZTS Visual C++ 2022 x64)
Copyright (c) The PHP Group
Zend Engine v4.4.13, Copyright (c) Zend Technologies

C:\Users\patri>
```

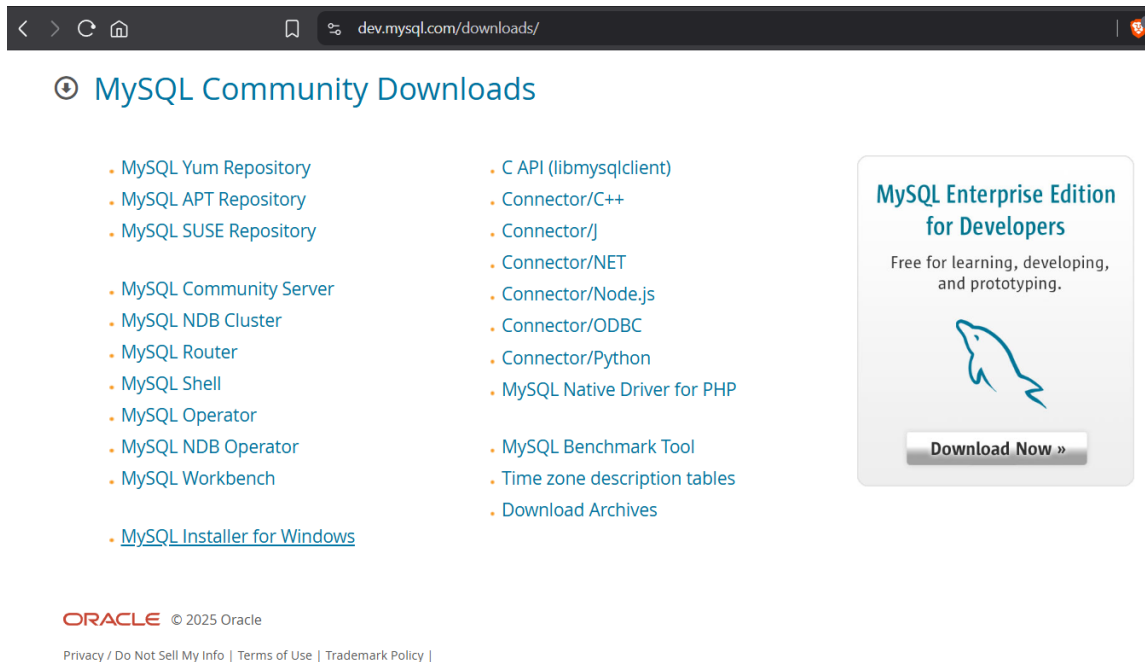
Done.

MYSQL STEP-BY-STEP INSTALLATION

Go to <https://www.mysql.com/downloads/> , Scroll down, and select “MySQL Community (GPL) Downloads”



Click on MySQL Installer for Windows



The page automatically defaults to the latest version and your operating system. Click on the second download file (With the larger file size)

dev.mysql.com/downloads/installer/

MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases Archives

MySQL Installer 8.0.43

Note: MySQL 8.0 is the final series with MySQL Installer. As of MySQL 8.1, use a MySQL product's MSI or Zip archive for installation. MySQL Server 8.1 and higher also bundle MySQL Configurator, a tool that helps configure MySQL Server.

Select Version:
8.0.43

Select Operating System:
Microsoft Windows

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.43.0.msi)	8.0.43	2.1M	Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.43.0.msi)	8.0.43	354.3M	Download

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

https://dev.mysql.com/downloads/file/?id=544662

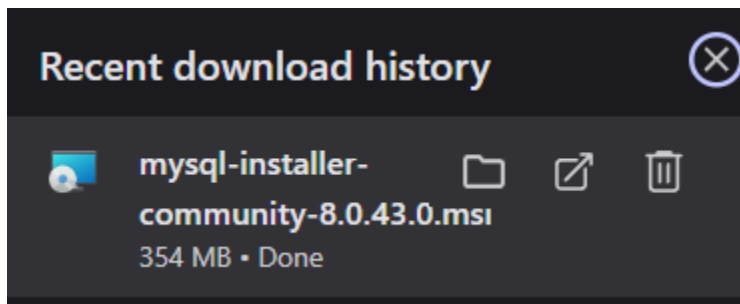
Click on “No thanks, just start my download.”

the instructions.

[No thanks, just start my download.](#)

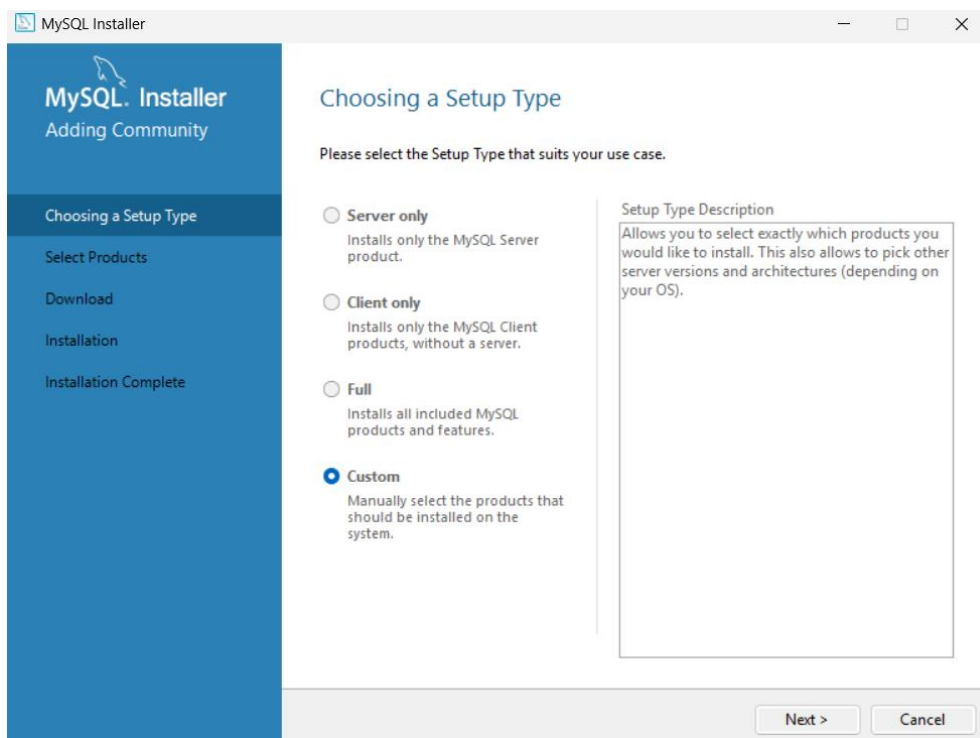
ORACLE © 2025 Oracle

Open the downloaded file

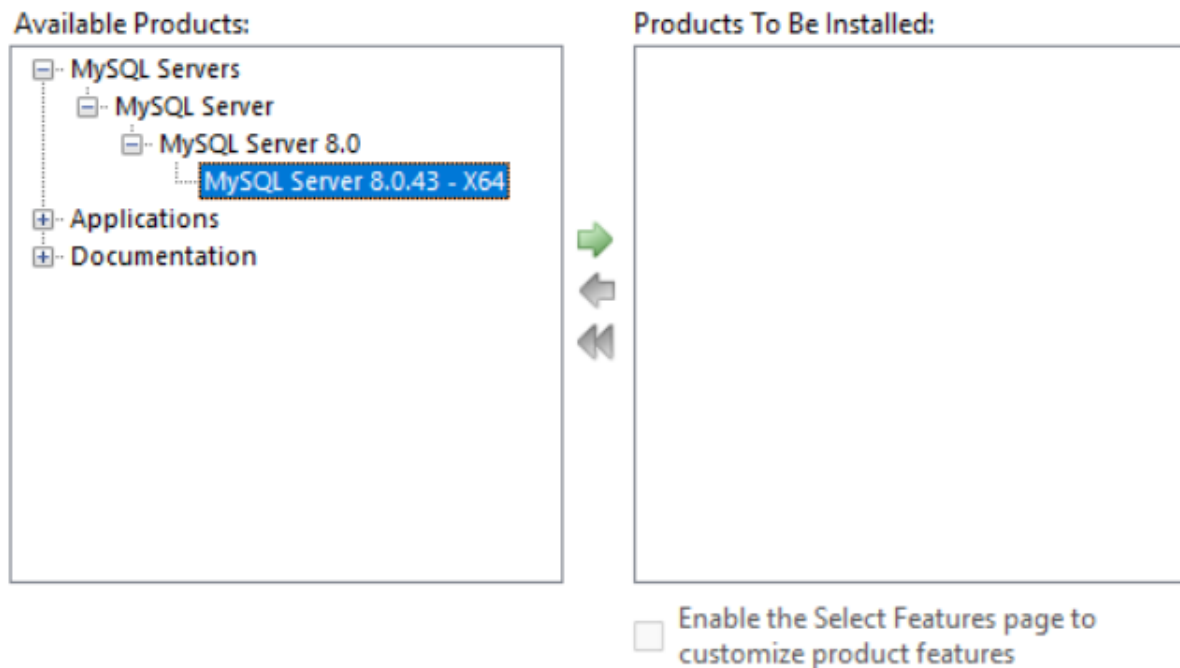


Select “Yes” on the system popups until the installer window appears

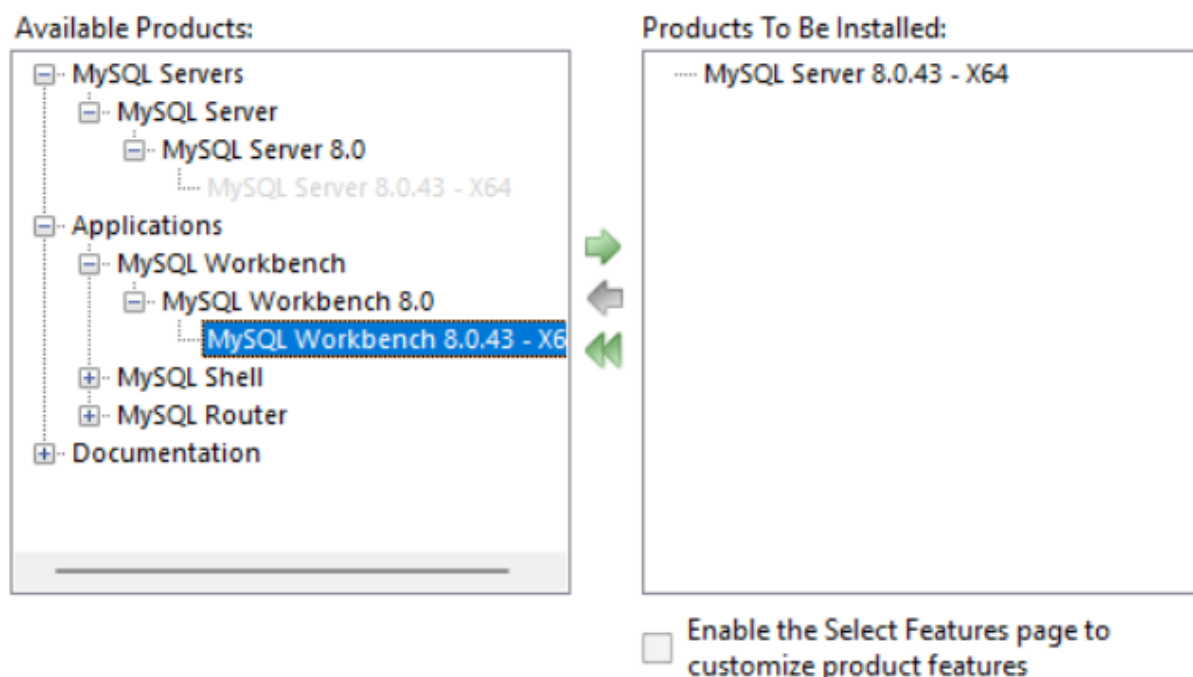
Click “Custom” then Next



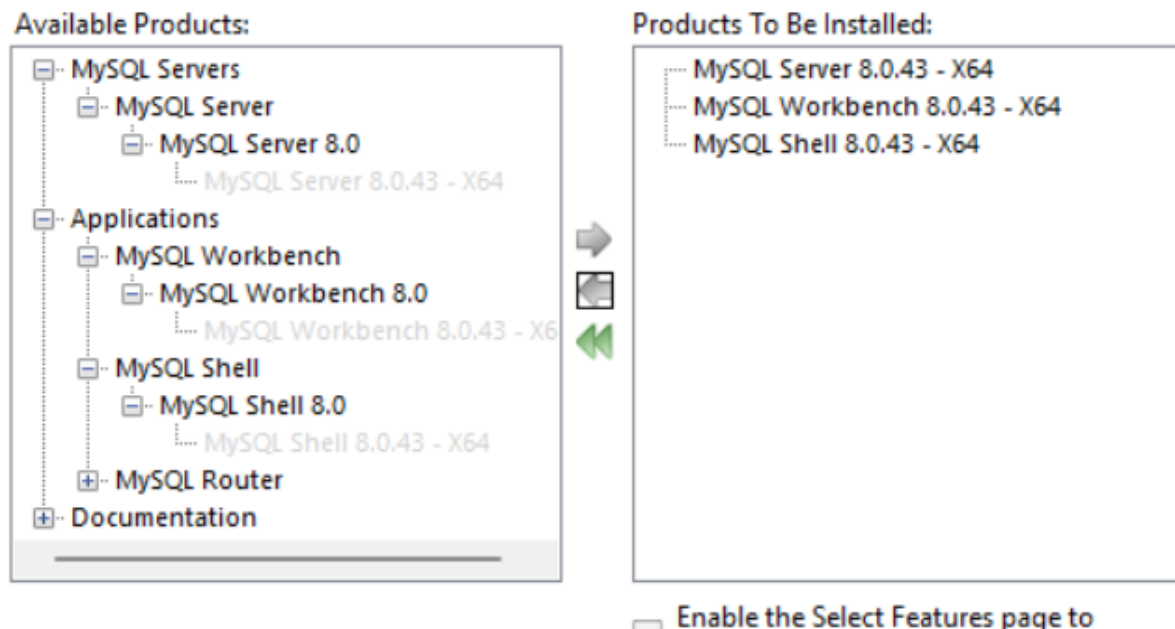
Open the “MySQL Servers” dropdown button as shown and then select the right arrow



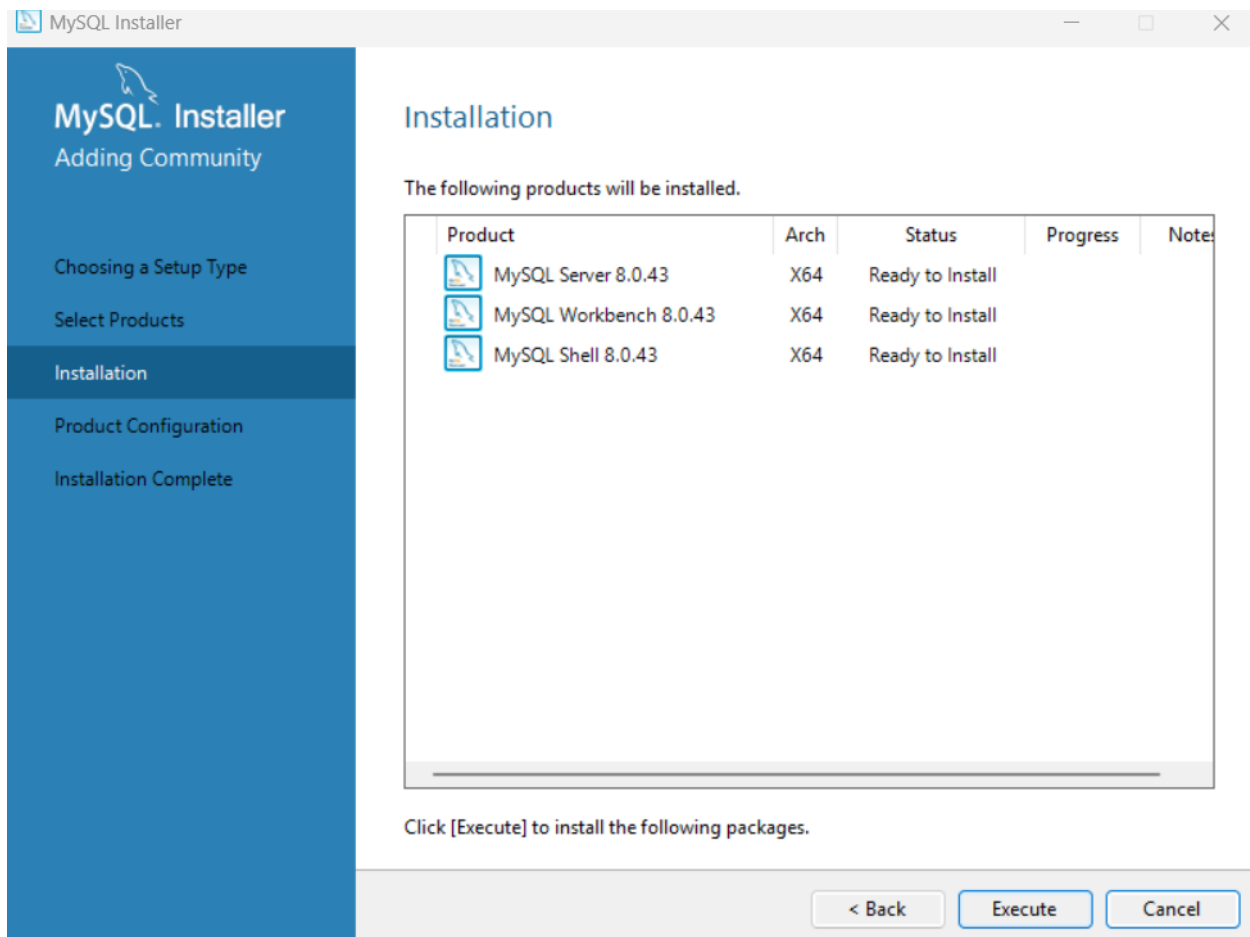
Open “Applications” as shown then select the right arrow again



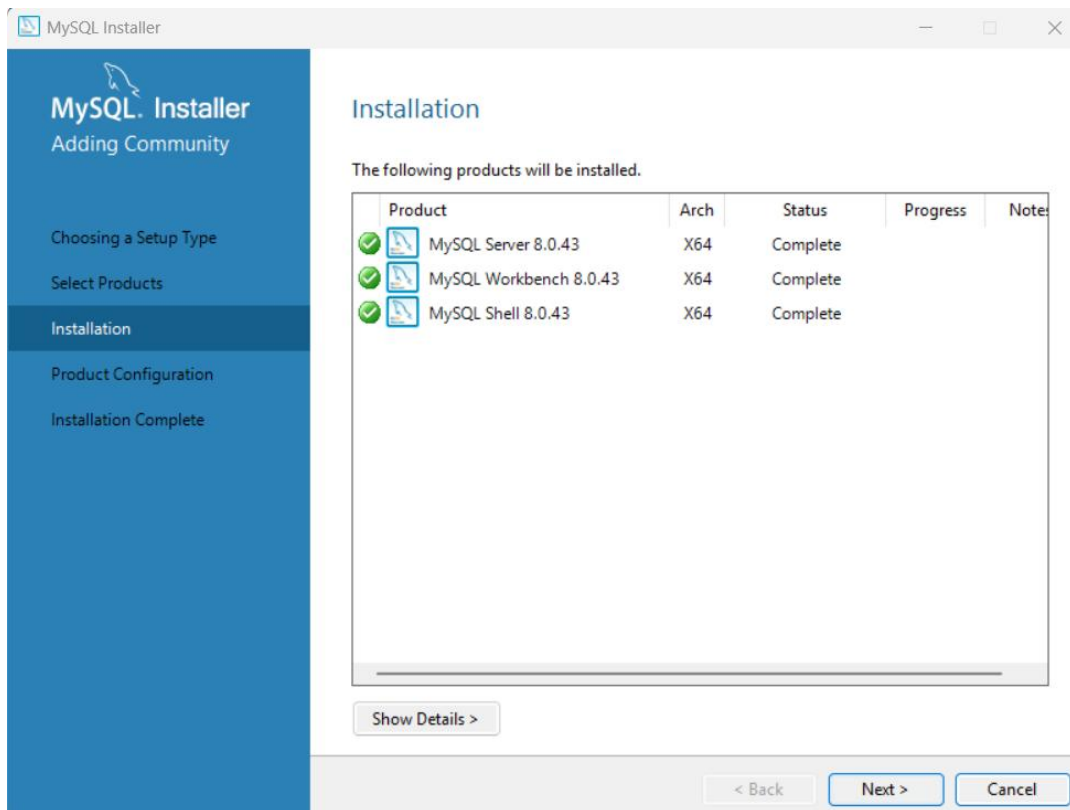
Do the same with MySQL Shell then click next



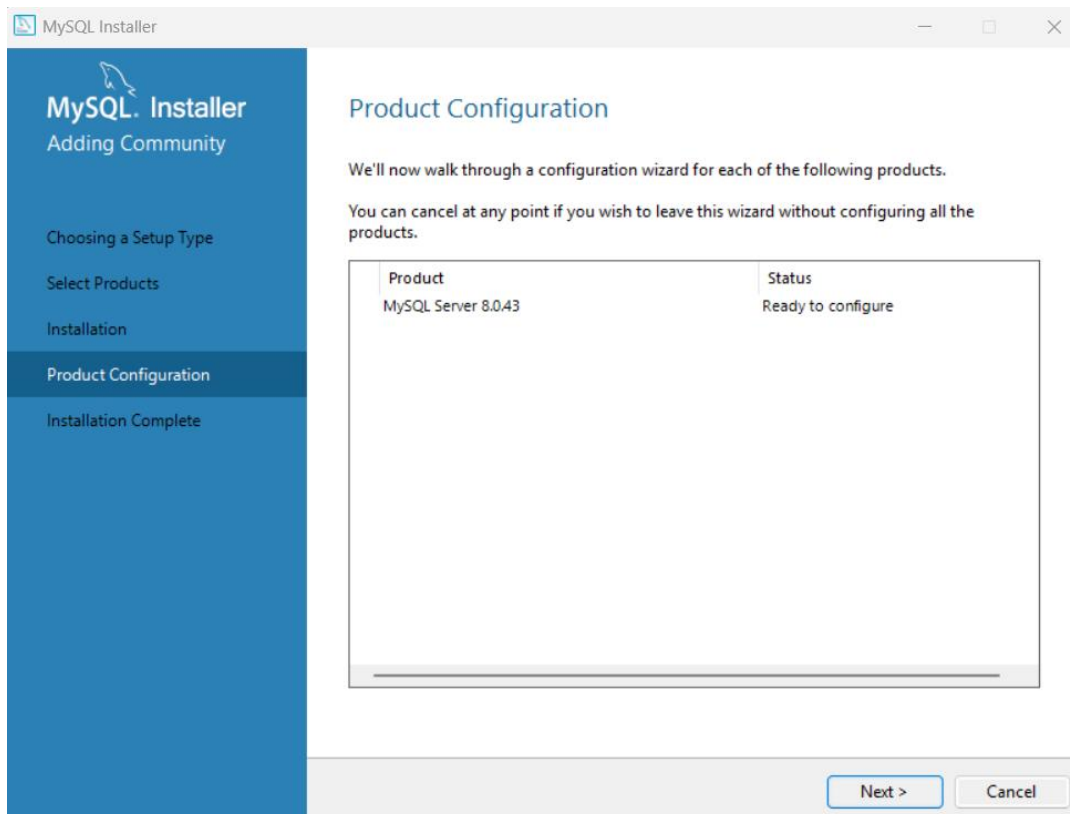
Click Execute



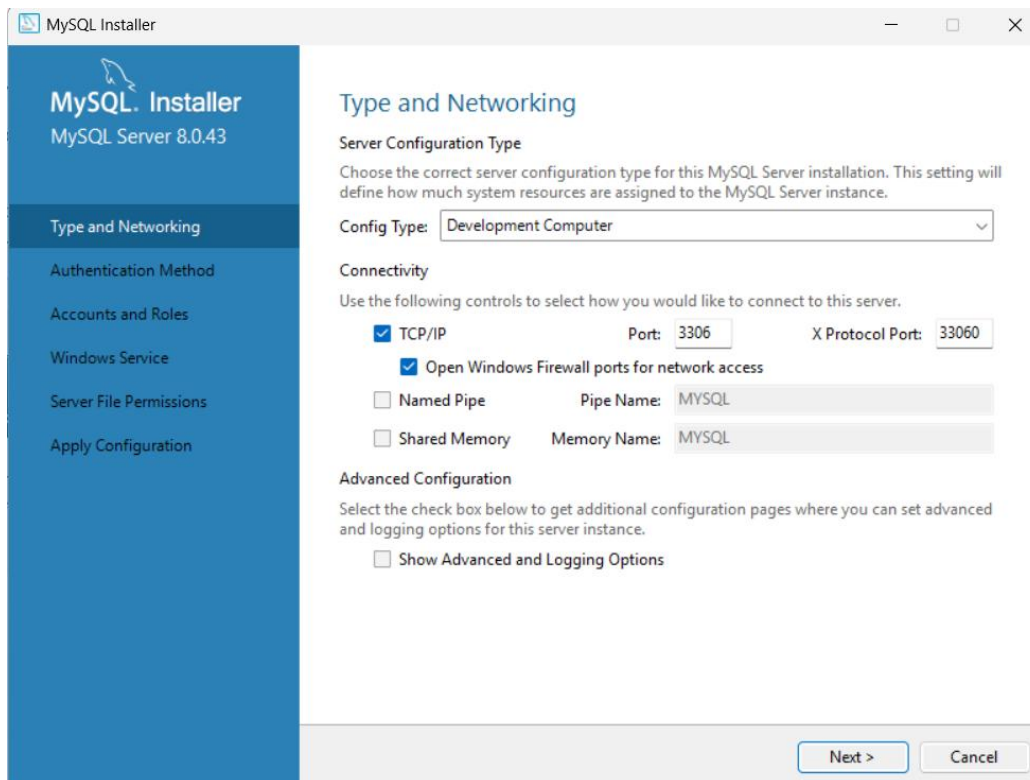
After everything finishes installing, click next



Click next again



Next



The screenshot shows the 'Type and Networking' configuration screen of the MySQL Installer for MySQL Server 8.0.43. The left sidebar contains a list of configuration steps: 'Type and Networking' (selected), 'Authentication Method', 'Accounts and Roles', 'Windows Service', 'Server File Permissions', and 'Apply Configuration'. The main content area is titled 'Type and Networking' and includes a 'Server Configuration Type' section with a dropdown menu set to 'Development Computer'. Below this is the 'Connectivity' section, which instructs the user to select how to connect to the server. It features three options: 'TCP/IP' (checked), 'Named Pipe', and 'Shared Memory'. The 'TCP/IP' option has input fields for 'Port' (3306) and 'X Protocol Port' (33060). The 'Named Pipe' option has a 'Pipe Name' field (MYSQL), and the 'Shared Memory' option has a 'Memory Name' field (MYSQL). There is also an unchecked checkbox for 'Open Windows Firewall ports for network access'. At the bottom, the 'Advanced Configuration' section has an unchecked checkbox for 'Show Advanced and Logging Options'. Navigation buttons 'Next >' and 'Cancel' are located at the bottom right.

MySQL. Installer
MySQL Server 8.0.43

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

Type and Networking

Server Configuration Type

Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.

Config Type: Development Computer

Connectivity

Use the following controls to select how you would like to connect to this server.

☒ TCP/IP Port: 3306 X Protocol Port: 33060

☒ Open Windows Firewall ports for network access

☐ Named Pipe Pipe Name: MYSQL

☐ Shared Memory Memory Name: MYSQL

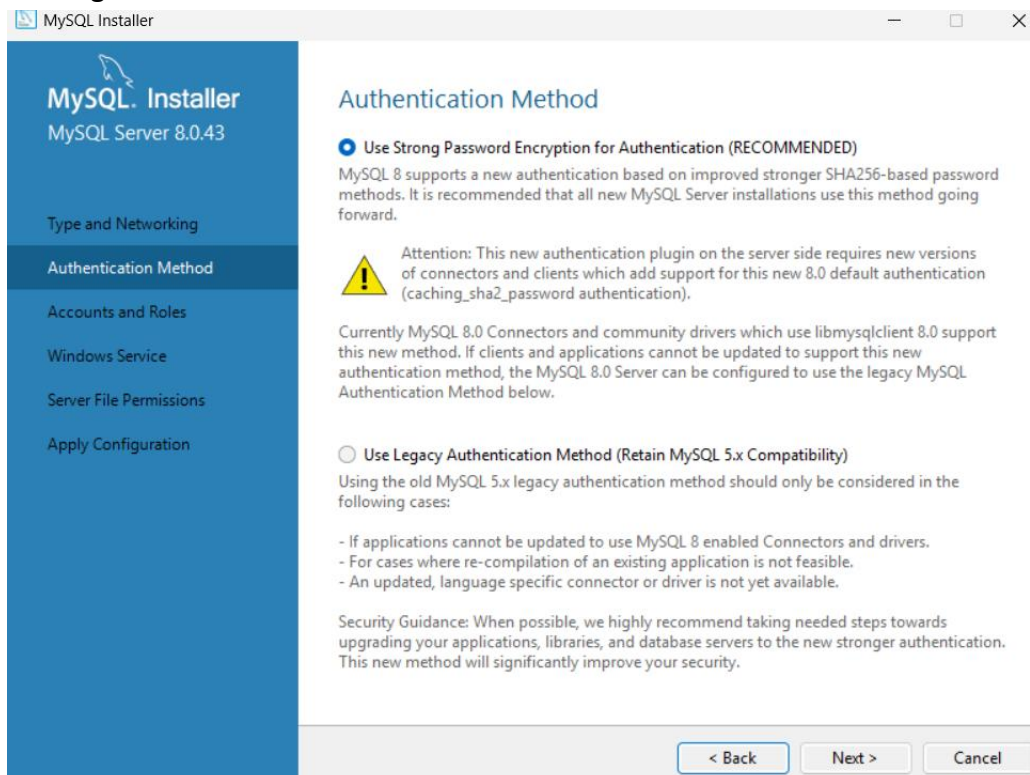
Advanced Configuration

Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.

☐ Show Advanced and Logging Options

Next > Cancel

Next again



The screenshot shows the 'Authentication Method' configuration screen of the MySQL Installer for MySQL Server 8.0.43. The left sidebar contains a list of configuration steps: 'Type and Networking', 'Authentication Method' (selected), 'Accounts and Roles', 'Windows Service', 'Server File Permissions', and 'Apply Configuration'. The main content area is titled 'Authentication Method' and presents two options. The first option, 'Use Strong Password Encryption for Authentication (RECOMMENDED)', is selected with a radio button. It includes a warning icon and text stating that MySQL 8 supports a new authentication based on improved stronger SHA256-based password methods, and it is recommended that all new MySQL Server installations use this method. A note mentions that this new authentication plugin requires new versions of connectors and clients. The second option, 'Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)', is unselected. It includes text explaining that the old MySQL 5.x legacy authentication method should only be considered in specific cases: if applications cannot be updated, if re-compilation is not feasible, or if a connector/driver is not available. A 'Security Guidance' section at the bottom recommends upgrading applications, libraries, and database servers to the new authentication method for improved security. Navigation buttons '< Back', 'Next >', and 'Cancel' are located at the bottom right.

MySQL. Installer
MySQL Server 8.0.43

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

Authentication Method

☒ Use Strong Password Encryption for Authentication (RECOMMENDED)

MySQL 8 supports a new authentication based on improved stronger SHA256-based password methods. It is recommended that all new MySQL Server installations use this method going forward.

Attention: This new authentication plugin on the server side requires new versions of connectors and clients which add support for this new 8.0 default authentication (caching_sha2_password authentication).

Currently MySQL 8.0 Connectors and community drivers which use libmysqlclient 8.0 support this new method. If clients and applications cannot be updated to support this new authentication method, the MySQL 8.0 Server can be configured to use the legacy MySQL Authentication Method below.

☐ Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)

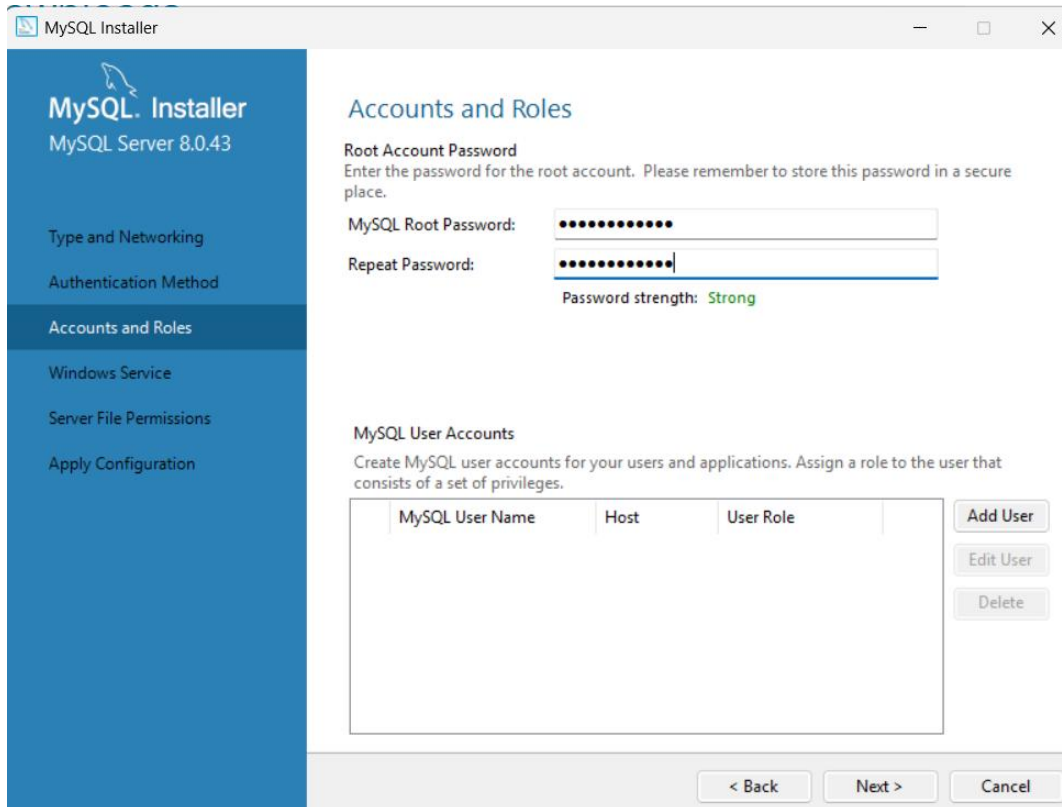
Using the old MySQL 5.x legacy authentication method should only be considered in the following cases:

- If applications cannot be updated to use MySQL 8 enabled Connectors and drivers.
- For cases where re-compilation of an existing application is not feasible.
- An updated, language specific connector or driver is not yet available.

Security Guidance: When possible, we highly recommend taking needed steps towards upgrading your applications, libraries, and database servers to the new stronger authentication. This new method will significantly improve your security.

< Back Next > Cancel

Set a root account password then click next



The screenshot shows the 'Accounts and Roles' step of the MySQL Installer. The left sidebar lists the installation steps: Type and Networking, Authentication Method, Accounts and Roles (selected), Windows Service, Server File Permissions, and Apply Configuration. The main area is titled 'Accounts and Roles' and contains the 'Root Account Password' section. It prompts the user to enter a password for the root account, with a note to store it securely. Two password input fields are shown, both filled with dots. Below them, the 'Password strength' is indicated as 'Strong' in green. The 'MySQL User Accounts' section below explains that users can be created and roles assigned. It features a table with columns for 'MySQL User Name', 'Host', and 'User Role', and buttons for 'Add User', 'Edit User', and 'Delete'. At the bottom, there are navigation buttons: '< Back', 'Next >', and 'Cancel'.

MySQL Installer
MySQL Server 8.0.43

Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Server File Permissions
Apply Configuration

Accounts and Roles

Root Account Password
Enter the password for the root account. Please remember to store this password in a secure place.

MySQL Root Password:

Repeat Password:

Password strength: **Strong**

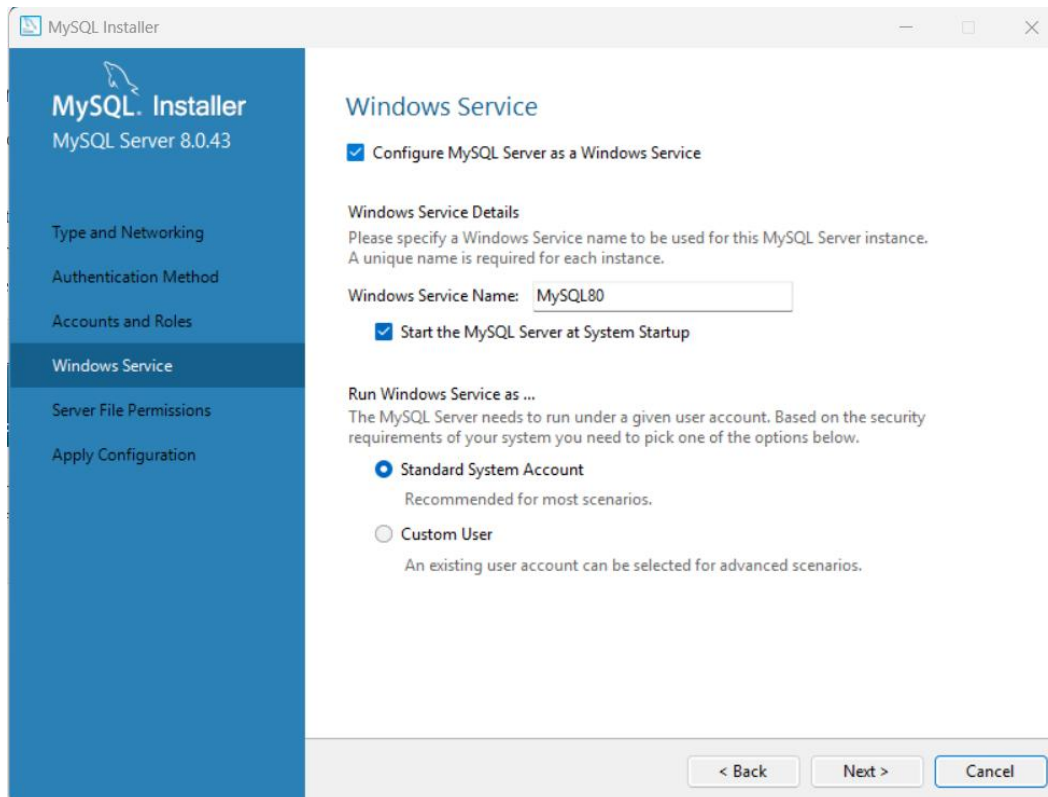
MySQL User Accounts
Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role
-----------------	------	-----------

Add User
Edit User
Delete

< Back Next > Cancel

Next again



The screenshot shows the 'Windows Service' step of the MySQL Installer. The left sidebar is the same as the previous screen, with 'Windows Service' now selected. The main area is titled 'Windows Service' and has a checkbox 'Configure MySQL Server as a Windows Service' which is checked. Below this is the 'Windows Service Details' section, which asks for a 'Windows Service Name' (MySQL80) and has a checkbox 'Start the MySQL Server at System Startup' which is also checked. The 'Run Windows Service as ...' section offers two options: 'Standard System Account' (selected) and 'Custom User'. At the bottom, the navigation buttons are '< Back', 'Next >', and 'Cancel'.

MySQL Installer
MySQL Server 8.0.43

Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Server File Permissions
Apply Configuration

Windows Service

☒ Configure MySQL Server as a Windows Service

Windows Service Details
Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance.

Windows Service Name:

☒ Start the MySQL Server at System Startup

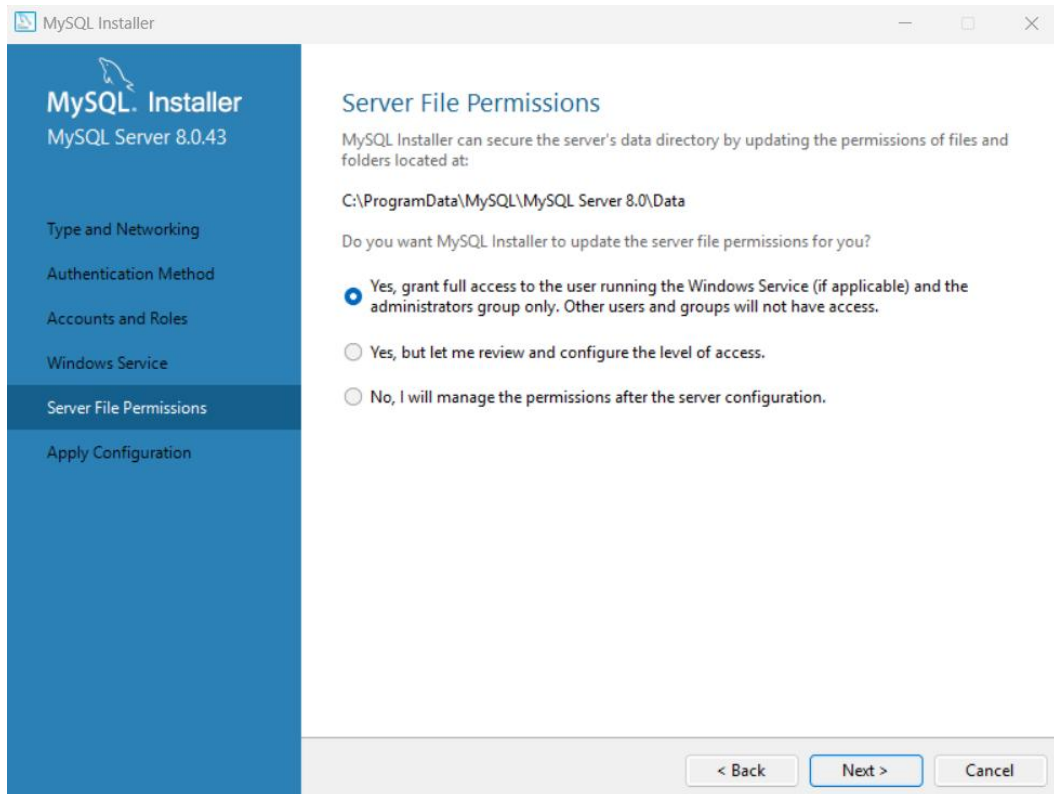
Run Windows Service as ...
The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.

☒ **Standard System Account**
Recommended for most scenarios.

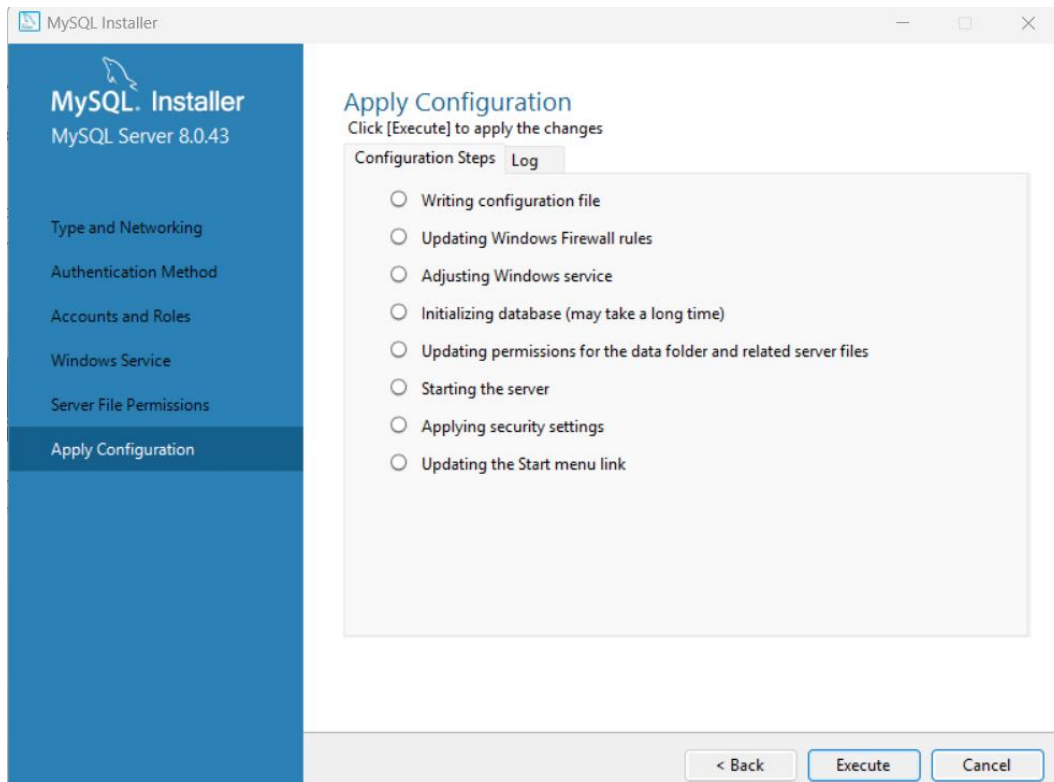
☐ Custom User
An existing user account can be selected for advanced scenarios.

< Back Next > Cancel

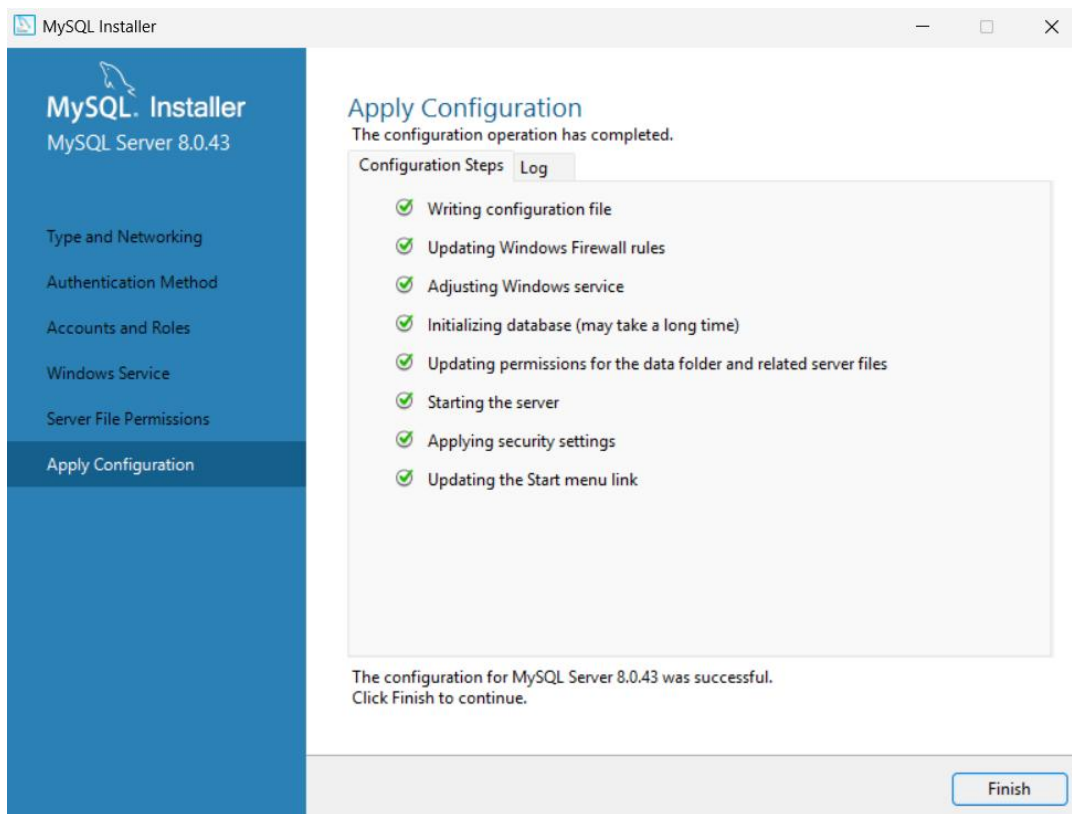
Next again



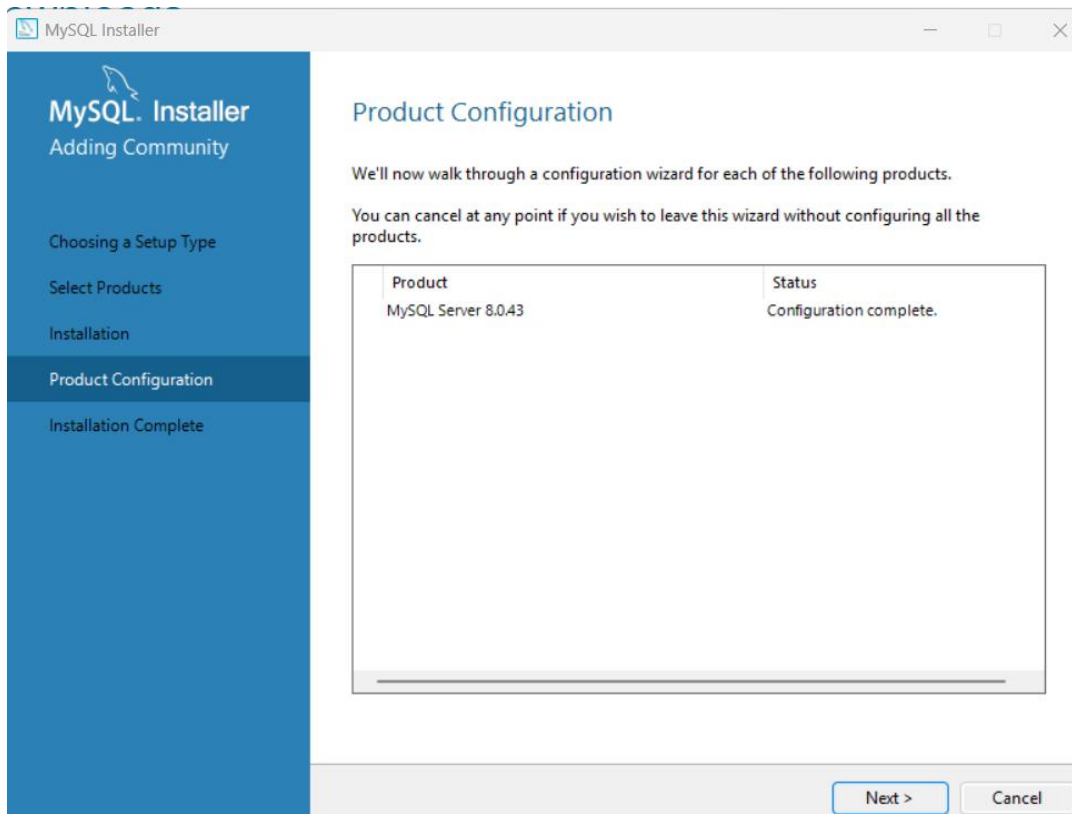
Click Execute



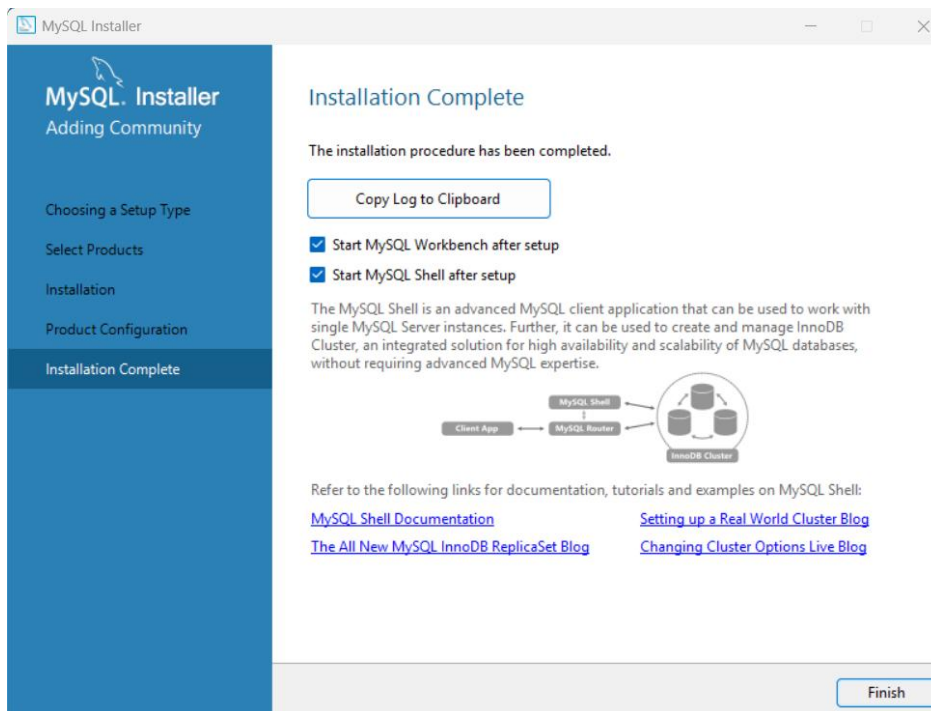
After the configuration is complete, click finish



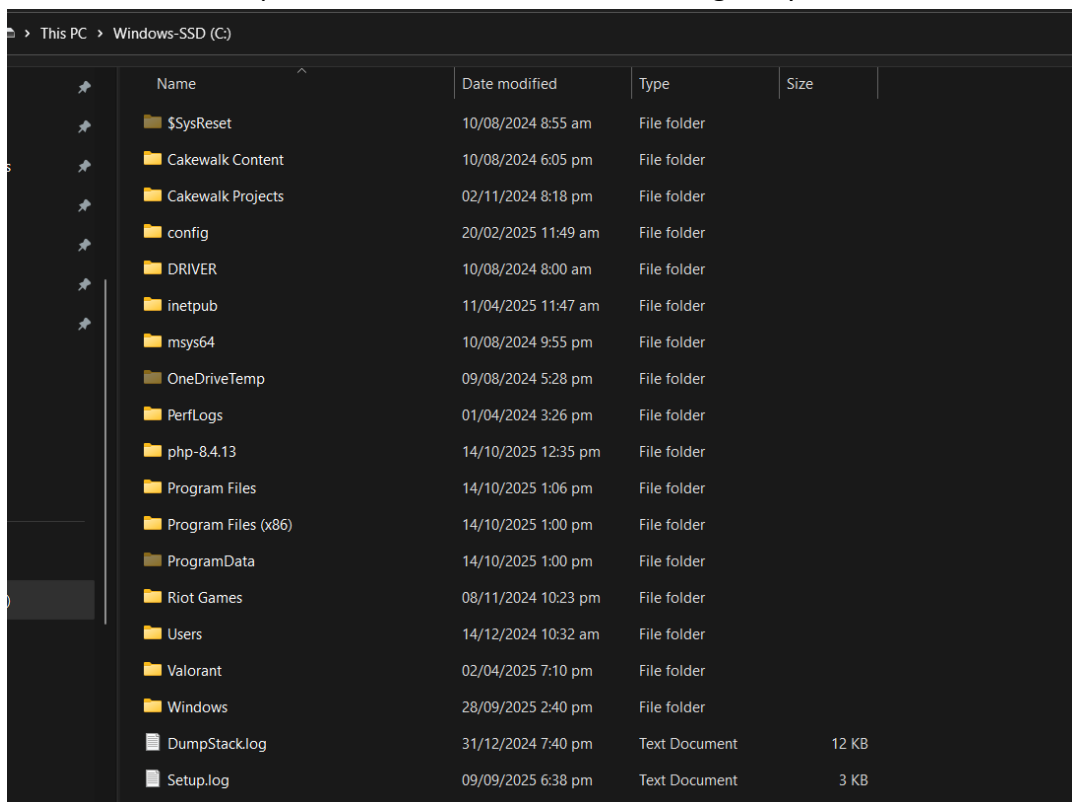
Click Next



Click finish, making sure that the two check boxes are selected



Two windows will open. For now, minimize them then go to your main drive



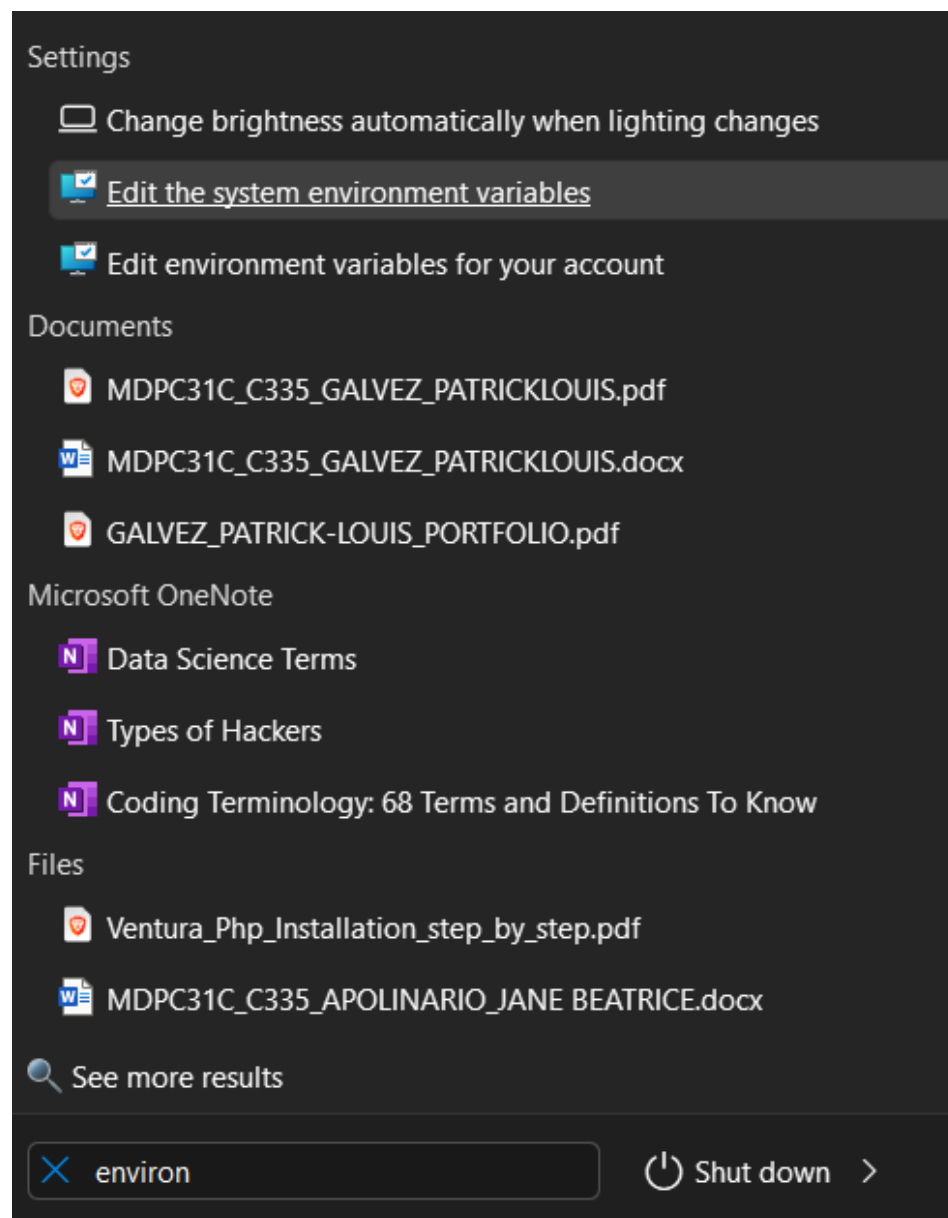
Follow this file path

📁 > This PC > Windows-SSD (C:) > Program Files > MySQL > MySQL Server 8.0 > bin

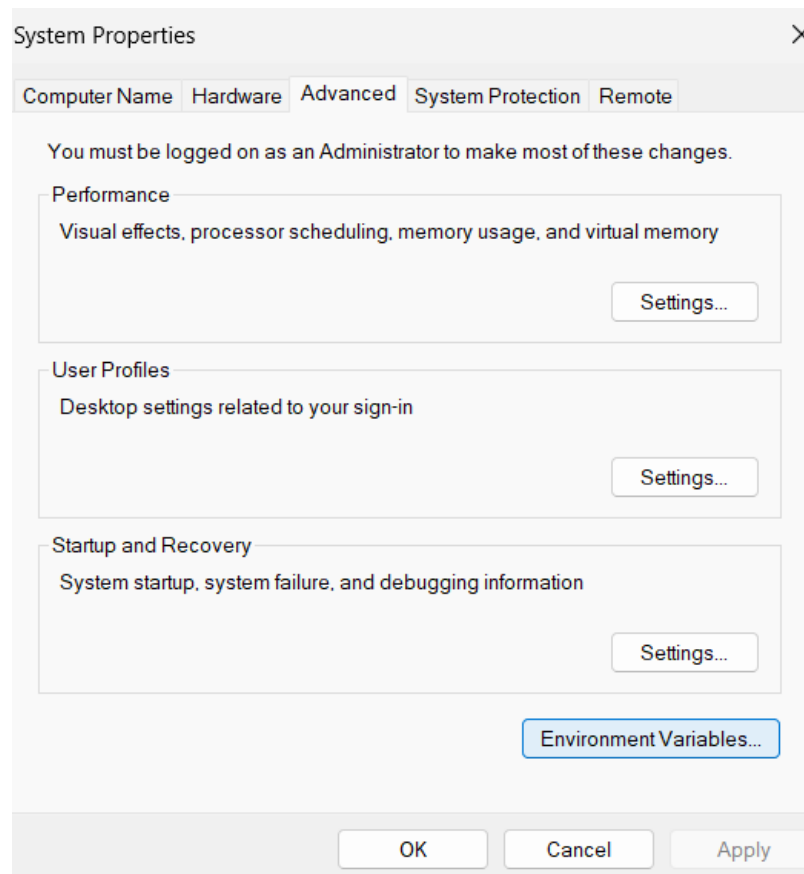
Copy the file path

📁 C:\Program Files\MySQL\MySQL Server 8.0\bin

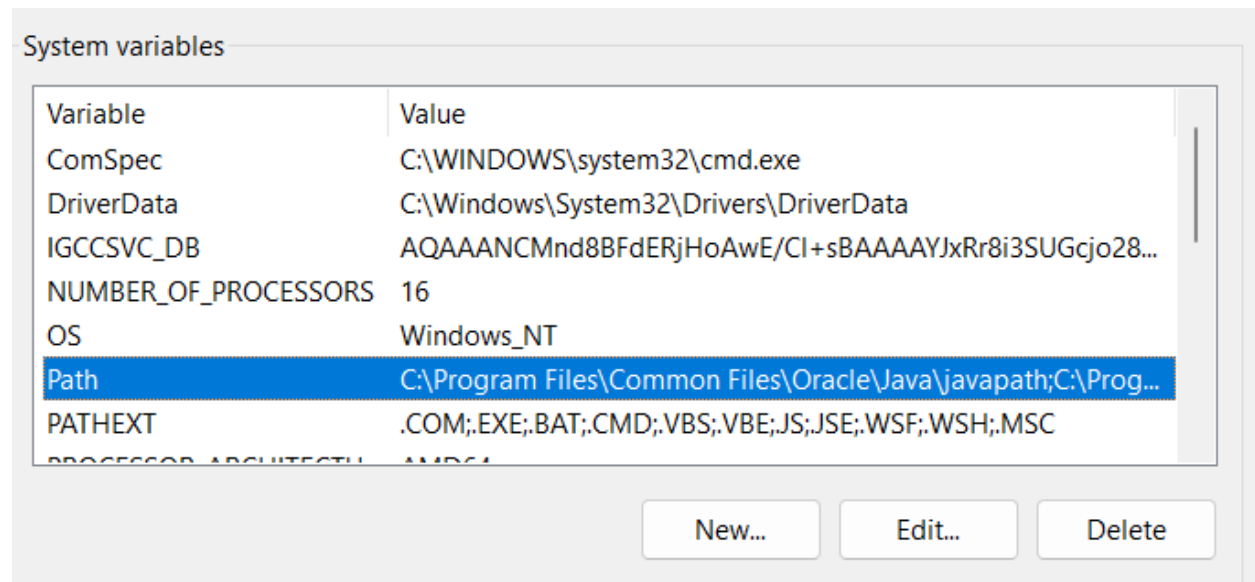
Type “Environment variables” in the start menu search and click on “Edit the system environment variables”



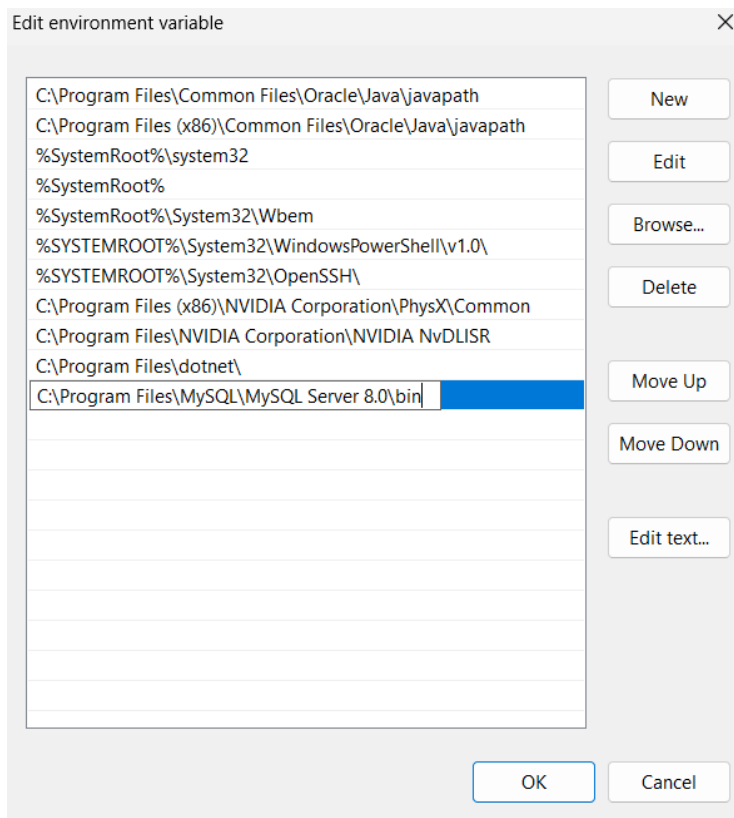
Click Environment Variables



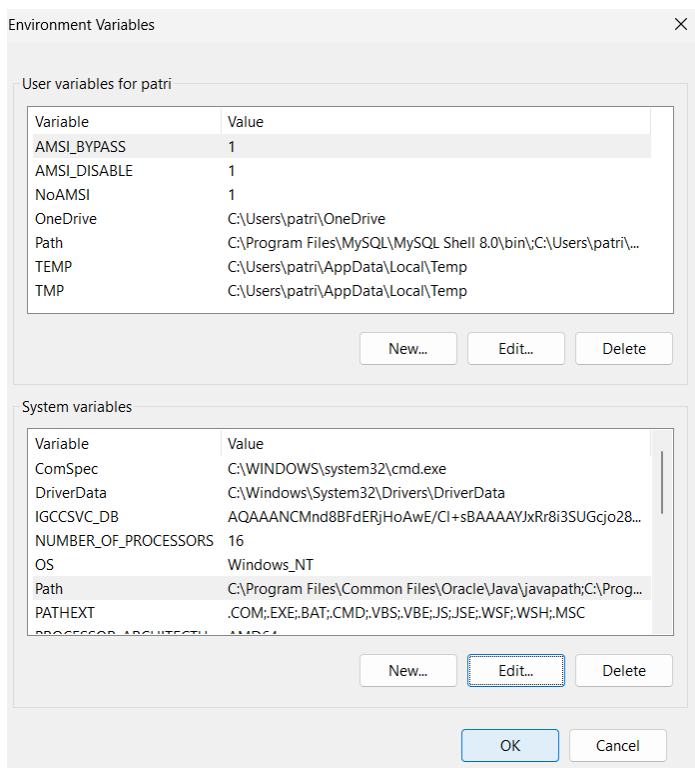
Double click on Path under System variables



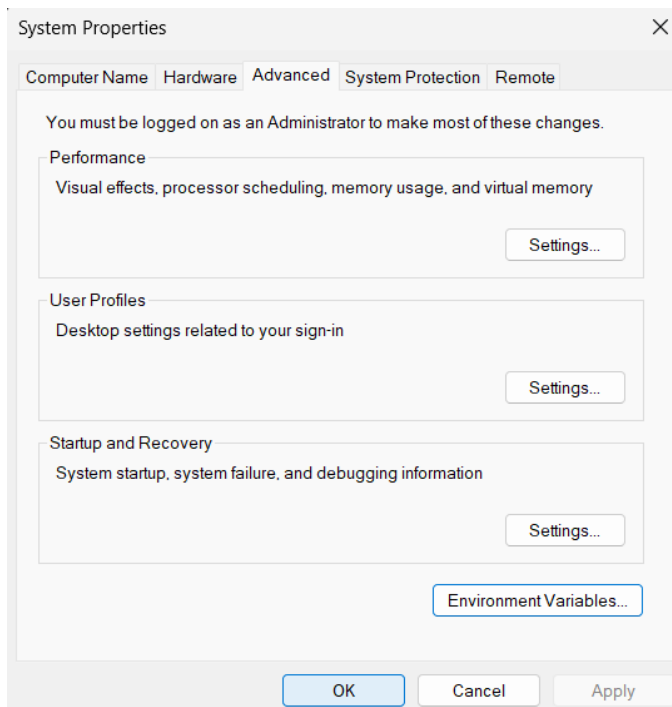
Click New then paste the file path in the new line. Then Click ok



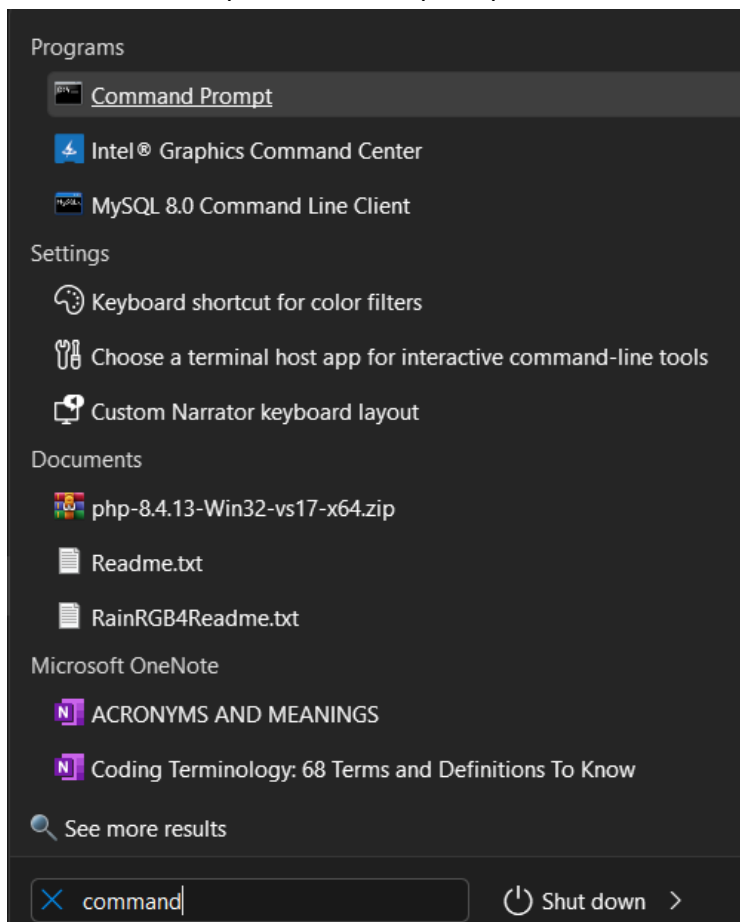
Ok



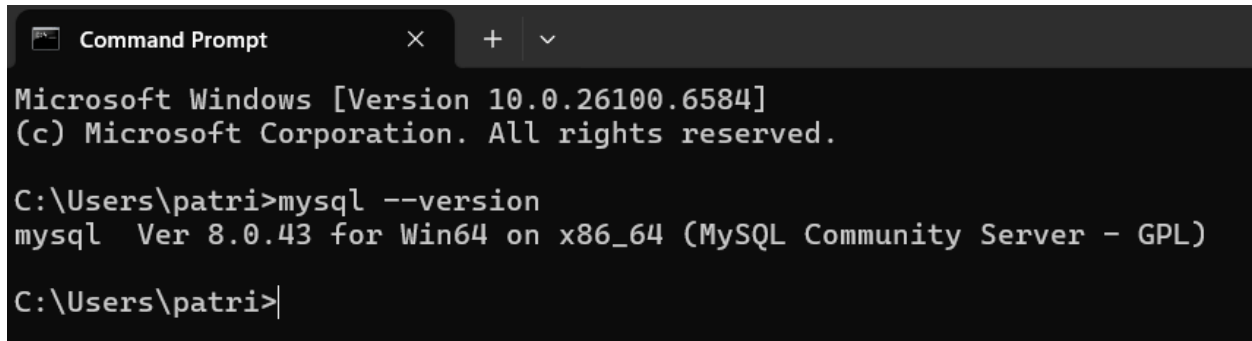
Ok



Go to start and open command prompt

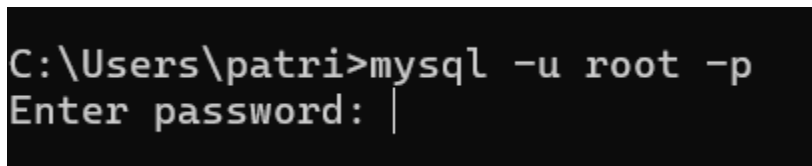


Type "mysql --version"



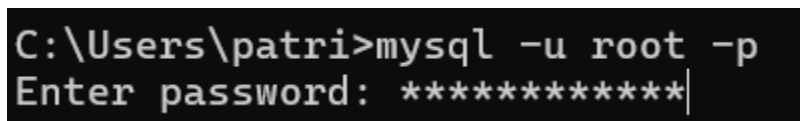
```
Microsoft Windows [Version 10.0.26100.6584]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\patri>mysql --version  
mysql Ver 8.0.43 for Win64 on x86_64 (MySQL Community Server - GPL)  
  
C:\Users\patri>
```

Type mysql -u -root -p then press enter



```
C:\Users\patri>mysql -u root -p  
Enter password: |
```

Type your password then enter



```
C:\Users\patri>mysql -u root -p  
Enter password: *****|
```

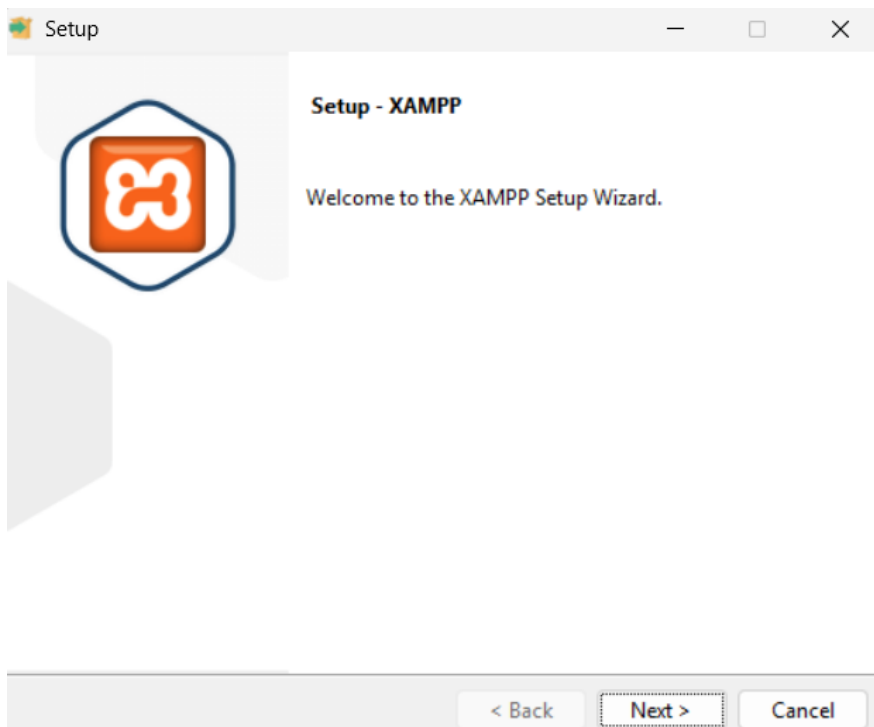
Done

XAMPP STEP-BY-STEP INSTALLATION

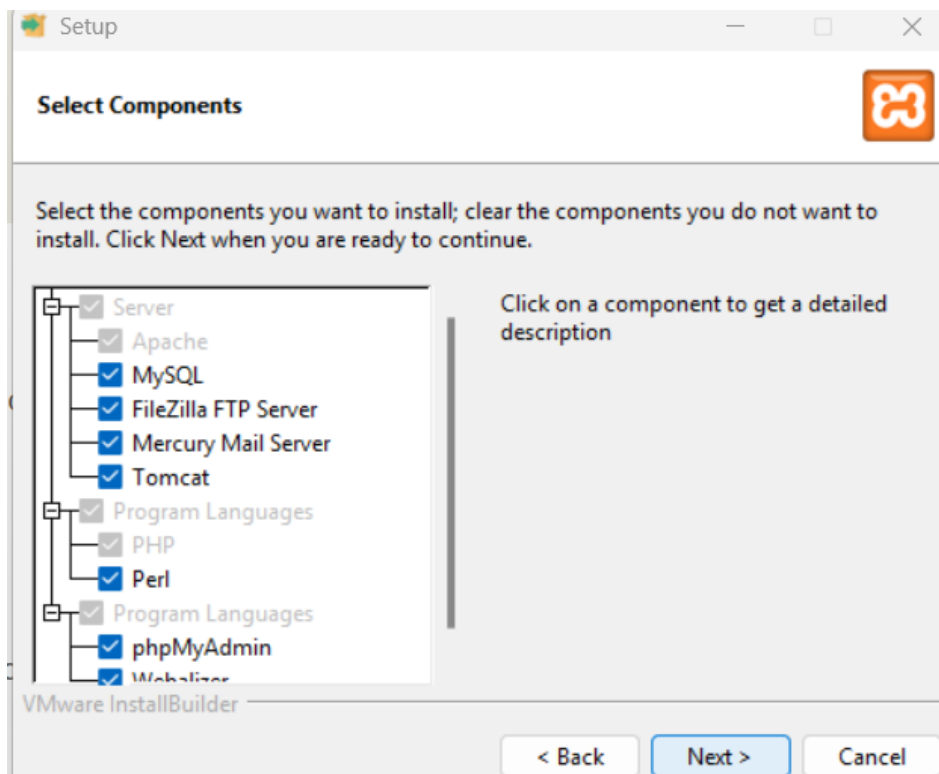
Go to <https://www.apachefriends.org/> then click XAMPP for Windows



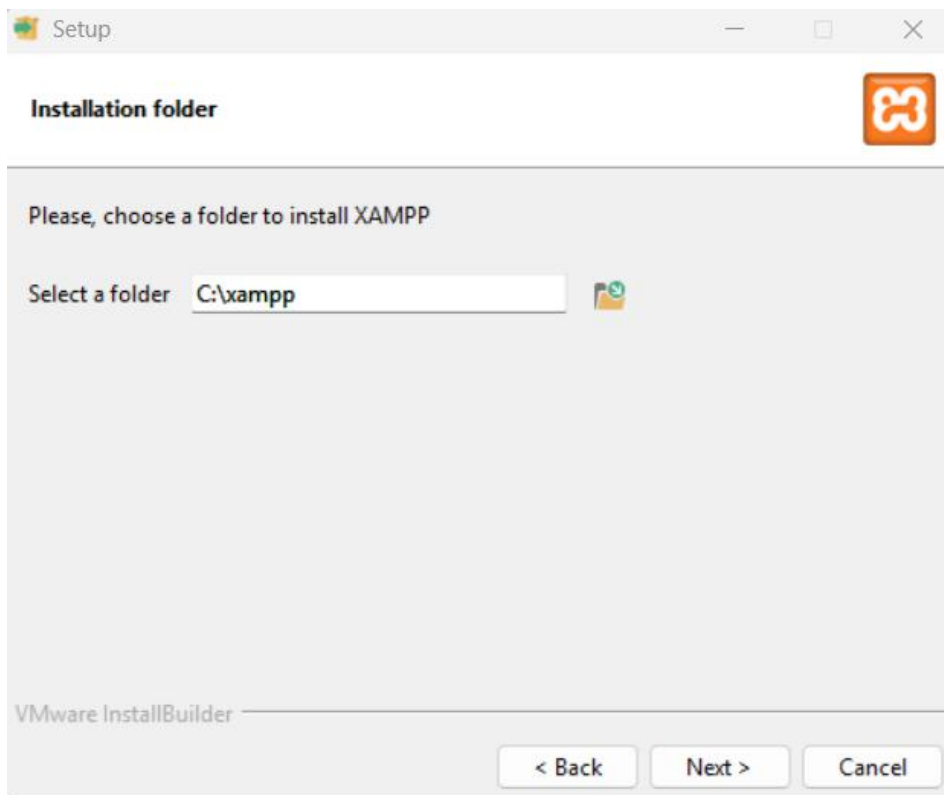
Open the file after downloading it
Click next



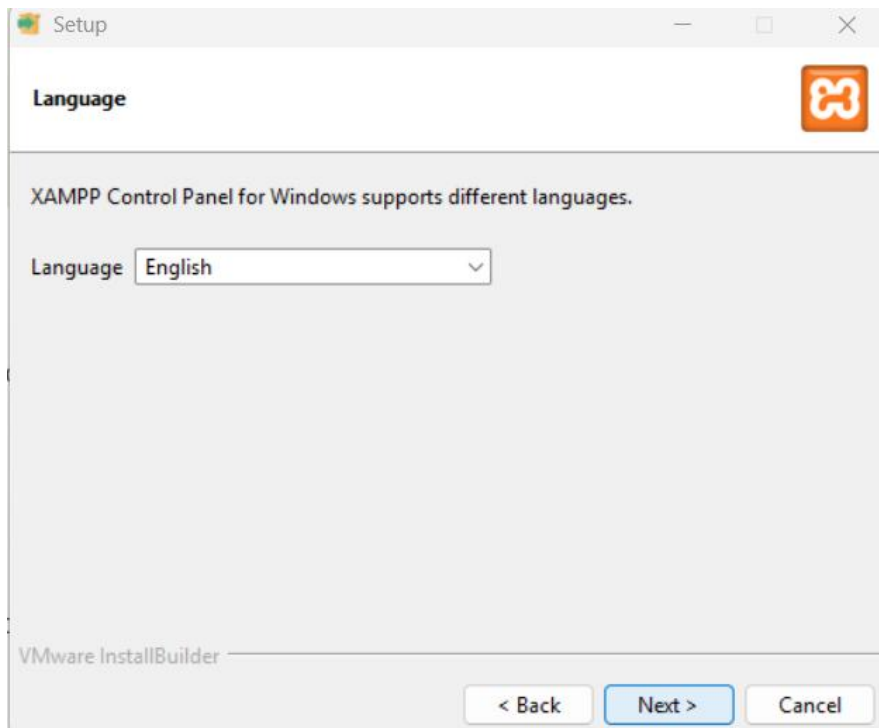
Click Next



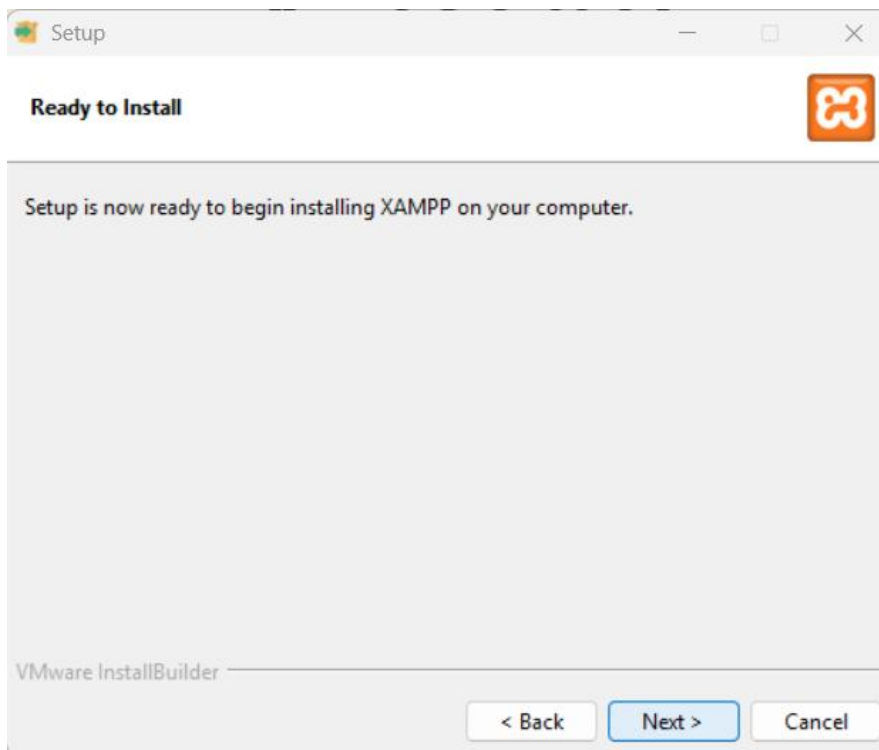
Click Next



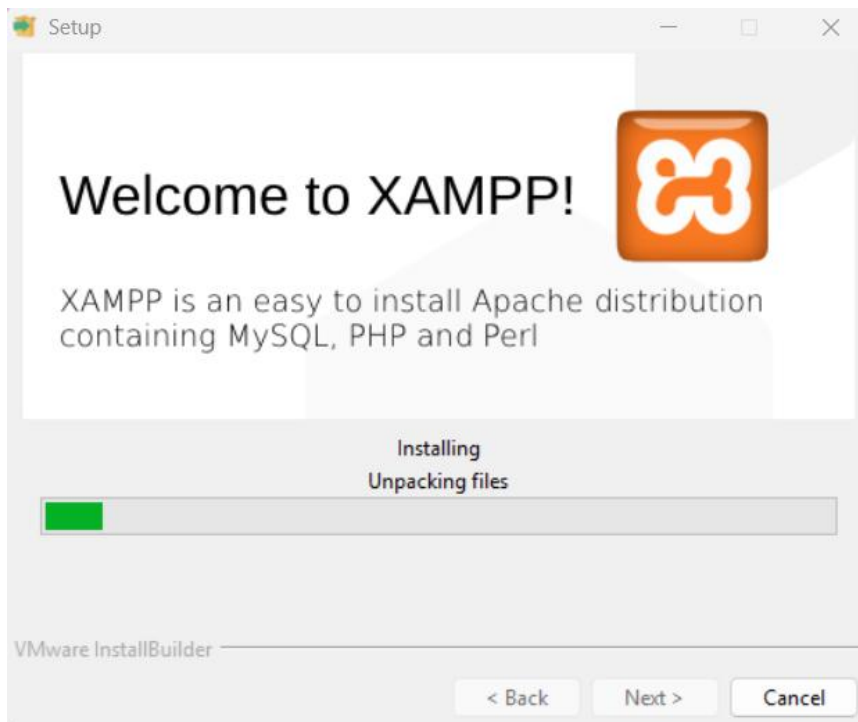
Click Next



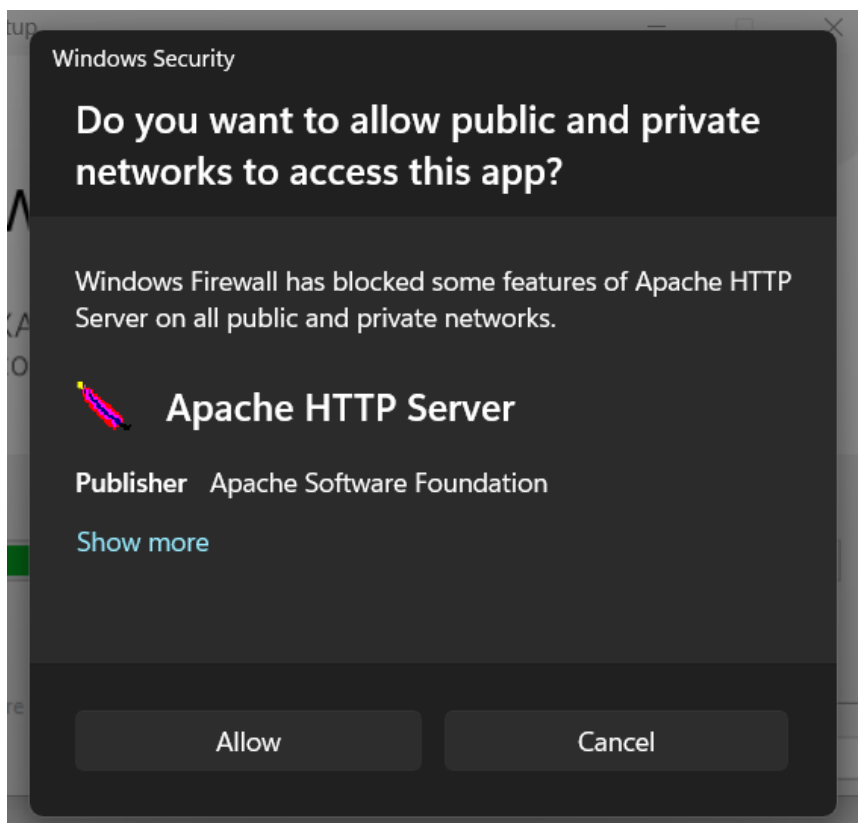
Click Next



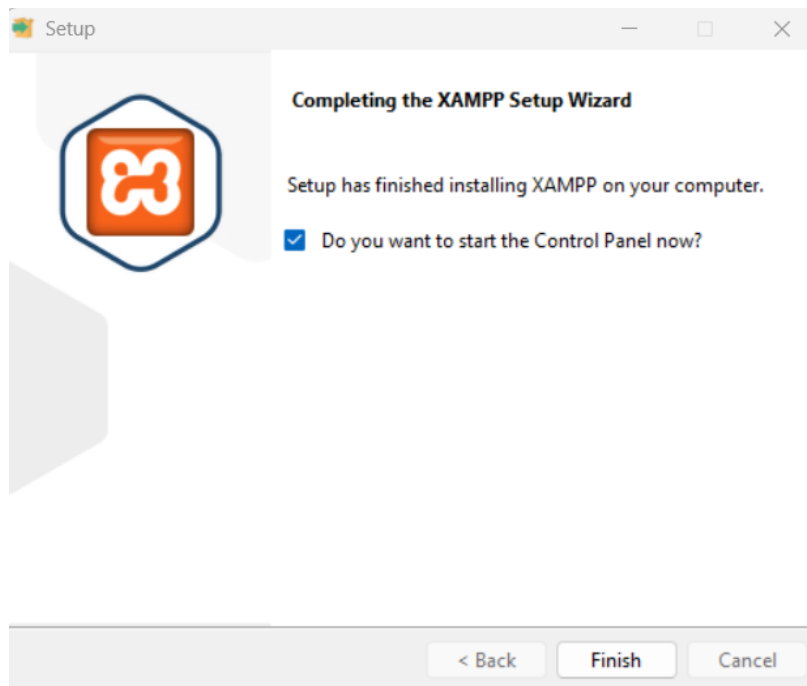
Wait for it to finish installing



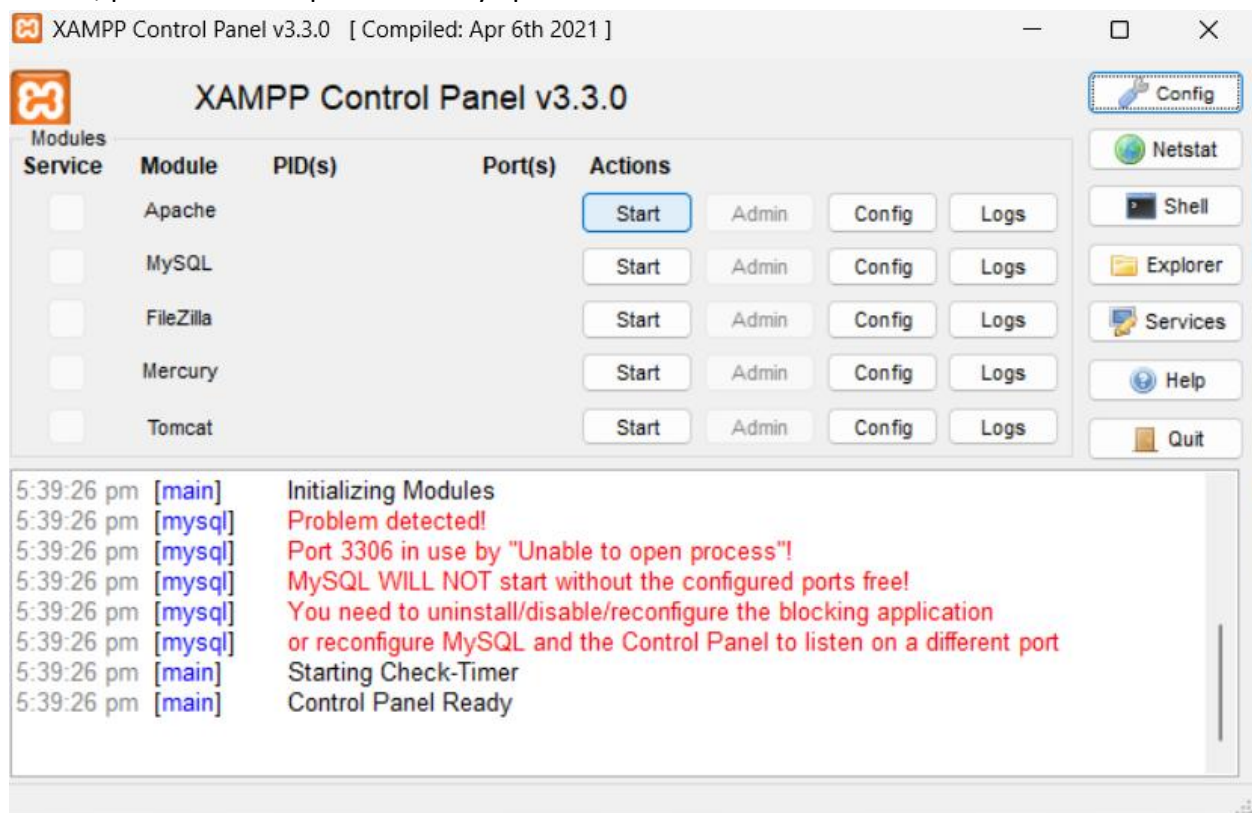
Click Allow



Click Finish



To test, press start on apache and mysql



Go to your browser and type “localhost” in the search bar. If the following page appears, that means it is working properly.

