

# Guided Lab - 304.2.1 - Installing MySQL Workbench on the Windows OS and MacOS

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## Objective

This lab will provide instructions on how to install MySQL Workbench on the Windows OS and MacOS:

## Learning Objective

By the end of this lab, learners will be able to install MySQL on Windows and Mac OS.

## Table of contents

- [For WindowOS: Installing MySQL Workbench on Windows OS](#)
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## For WindowsOS: Installing MySQL Workbench on Windows OS

### Overview:

In this lab, we will install MySQL Workbench and a MySQL Server. You will demonstrate — step-by-step — how to install MySQL on the Windows operating system (OS) using the MySQL Installer. After the lab, you will have a MySQL server and its tools up and running on your system for learning and practicing.

### Begin:

To install MySQL on WindowsOS follow these steps:

**Step 1:** The simplest and recommended method is to download MySQL Installer for Windows from <https://dev.mysql.com/downloads/installer/> and execute it.

General Availability (GA) Releases
Archives


## MySQL Installer 8.0.23

Select Operating System:

Microsoft Windows

Looking for previous GA versions?

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.23.0.msi)	8.0.23	2.4M	Download
MD5: a3af6d91f93e046452b38a1e2589534c   Signature			
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.23.0.msi)	8.0.23	422.4M	Download
MD5: 8de85ced955631901829a1a363cdf50   Signature			

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

Select **mysql-installer-web-community-8.0.23.msi** if you have a good internet connection; otherwise, choose **mysql-installer-community-8.0.23.msi**.


**Step 2.** To download, click on the **No thanks, just start my download** option as shown below:

- MySQL Shell
- MySQL Workbench
- MySQL Connectors
- Other Downloads

Login »  
using my Oracle Web account

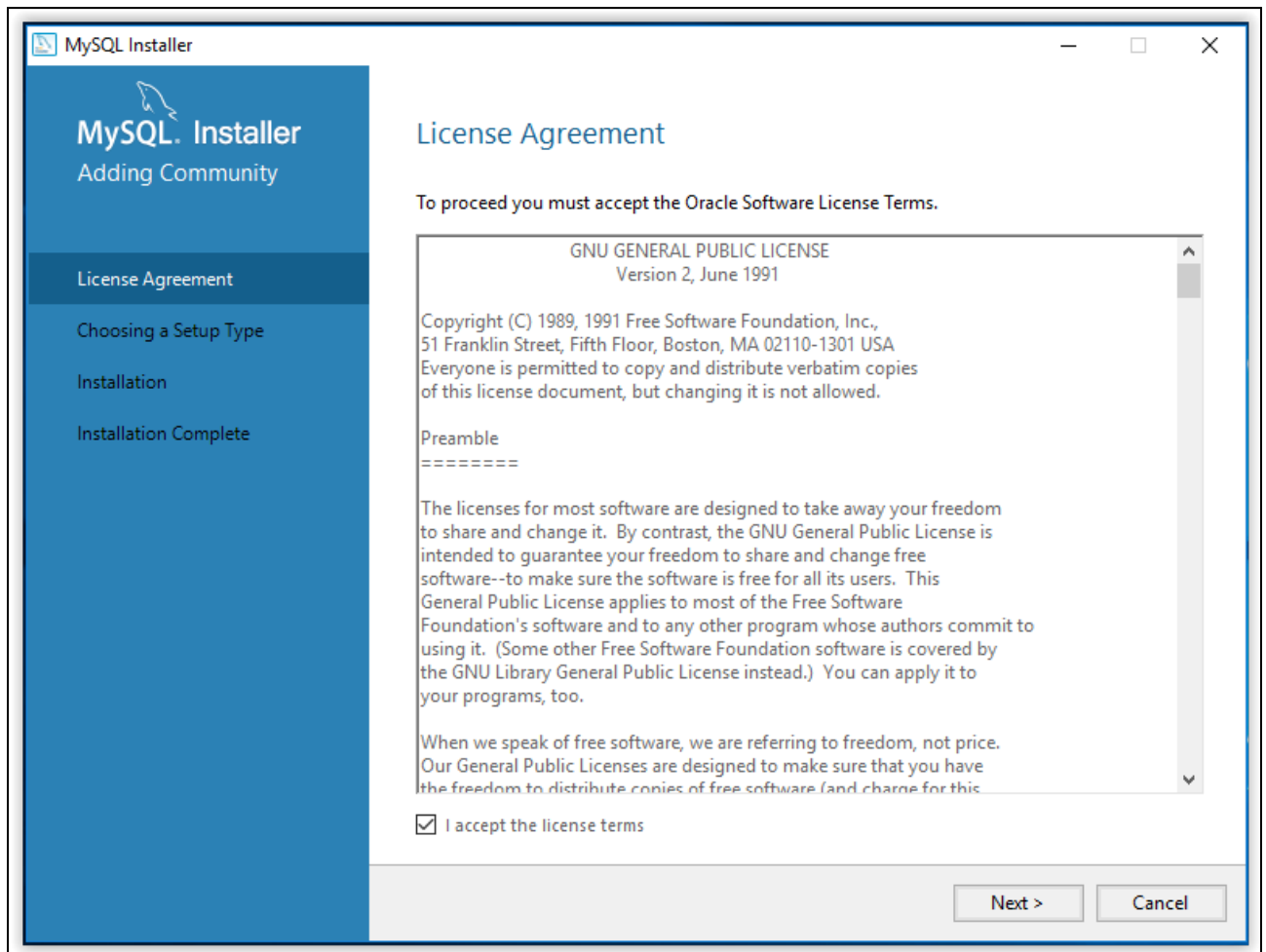
Sign Up »  
for an Oracle Web account

MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can sign up for a free account by clicking the Sign Up link and following the instructions.

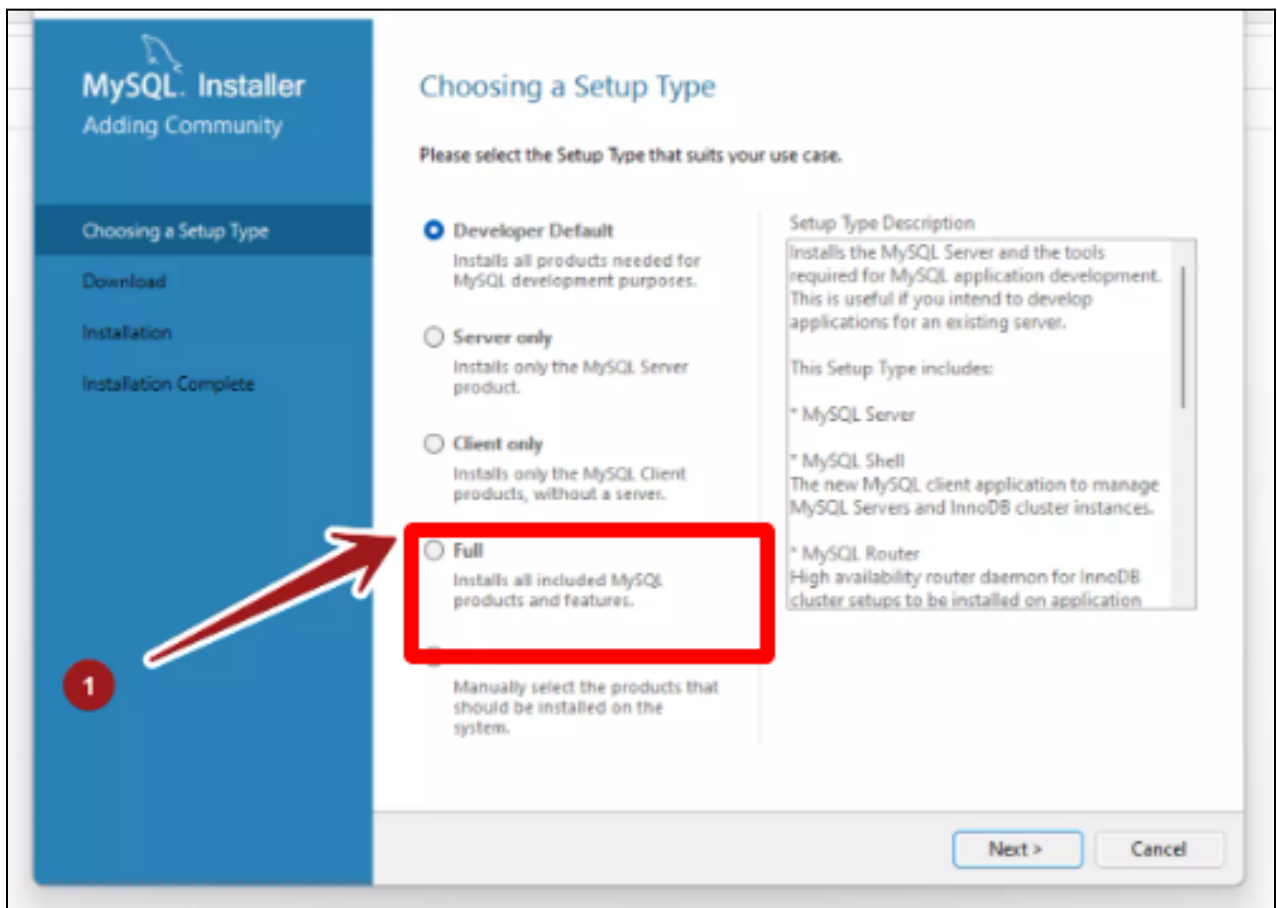

[No thanks, just start my download.](#)

**Step 3.** If prompted, select **Yes** to allow changes to the computer.

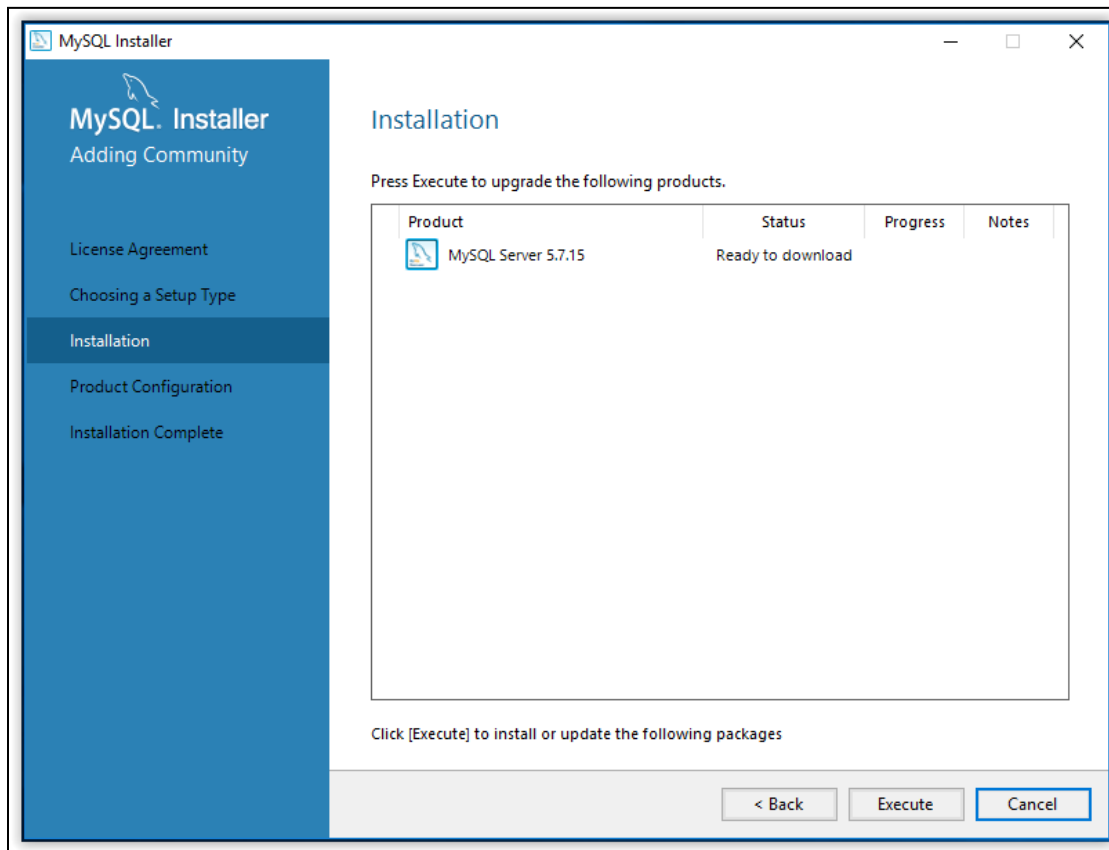
**Step 4.** After downloading the MySQL Installer, read the License Agreement, check the **I accept the license terms** box, and click **Next**.



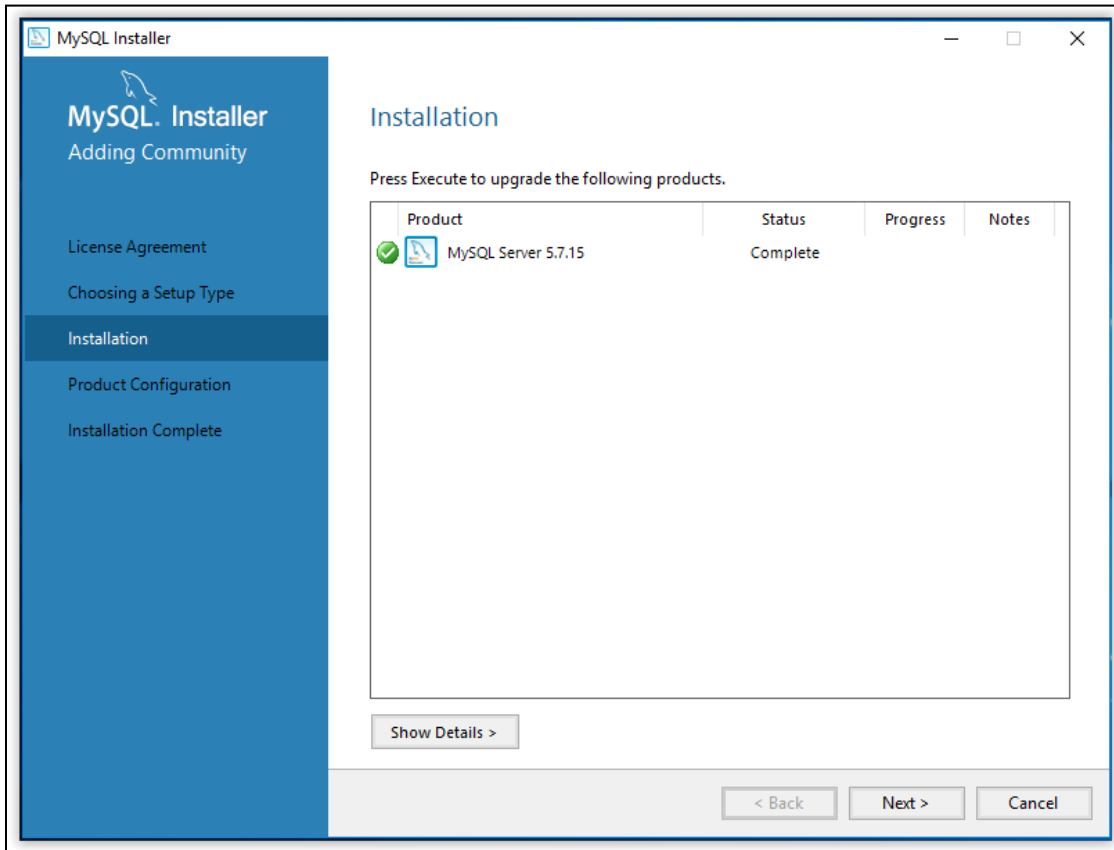
**Step 5.** Choose the **Setup Type**. In our case, Select **Full** (radio button) as shown in the screenshot below, and then click on the **Next** button.



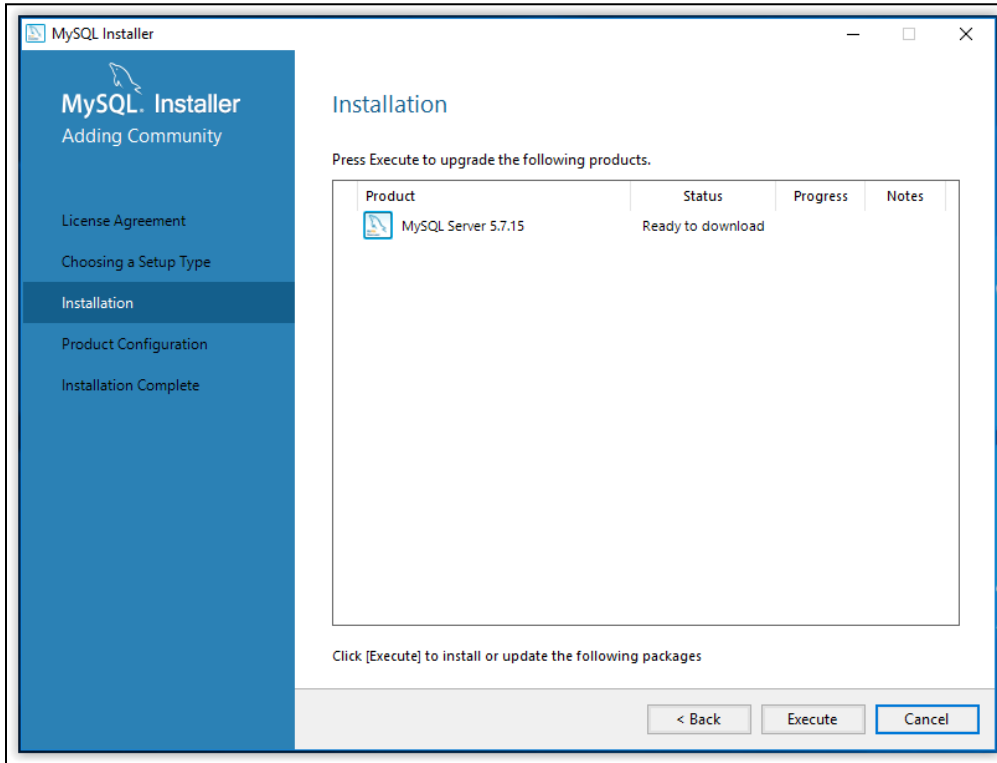
**Step 6.** To begin the installation, click on the **Execute** button as shown in the screenshot.



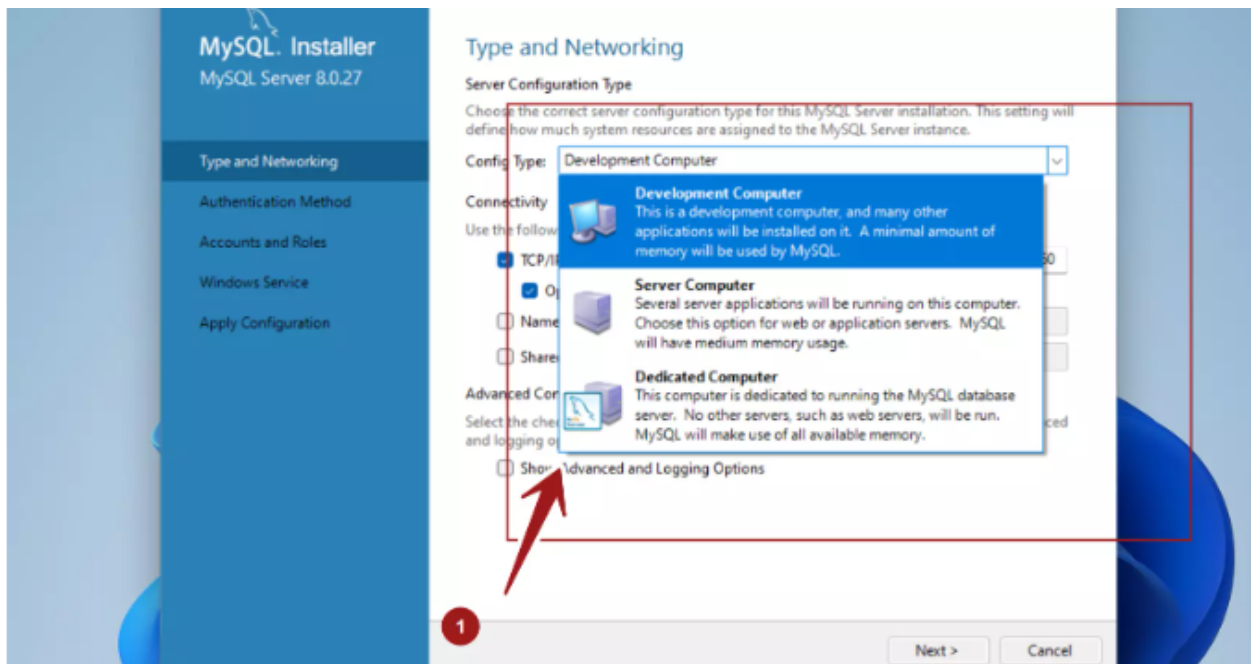
**Step 7.** When the installation is complete, click **Next**.



**Step 8.** A walk-through product configuration will then appear. Click the **Execute** button to begin as shown below screenshot.

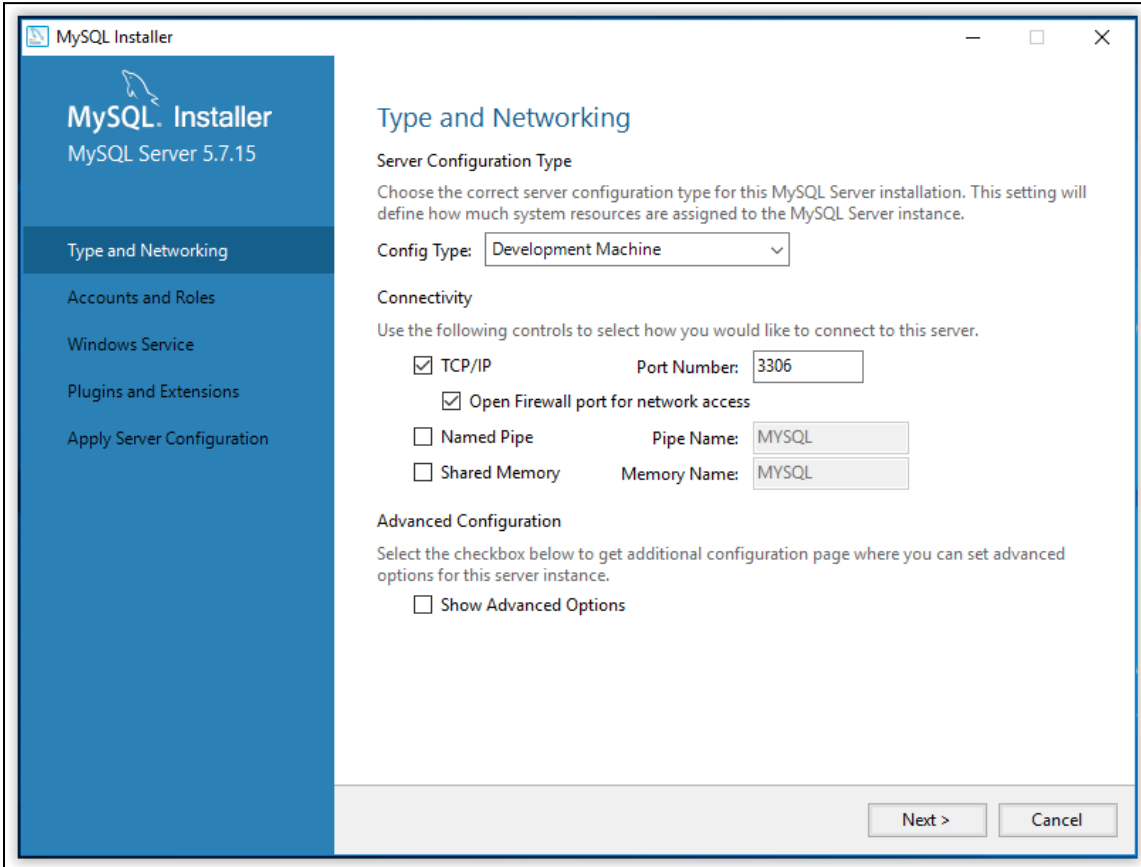


**Step 9.** First, select the Server Configuration Type, *Development Computer* as shown in the screenshot.





**Step 10:** Set Port (3306 by default), and then click the **Next** button.



MySQL Installer  
MySQL Server 5.7.15

Type and Networking

Accounts and Roles

Windows Service

Plugins and Extensions

Apply Server 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 Machine

Connectivity

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

☒ TCP/IP Port Number: 3306

☒ Open Firewall port for network access

☐ Named Pipe Pipe Name: MYSQL

☐ Shared Memory Memory Name: MYSQL

Advanced Configuration

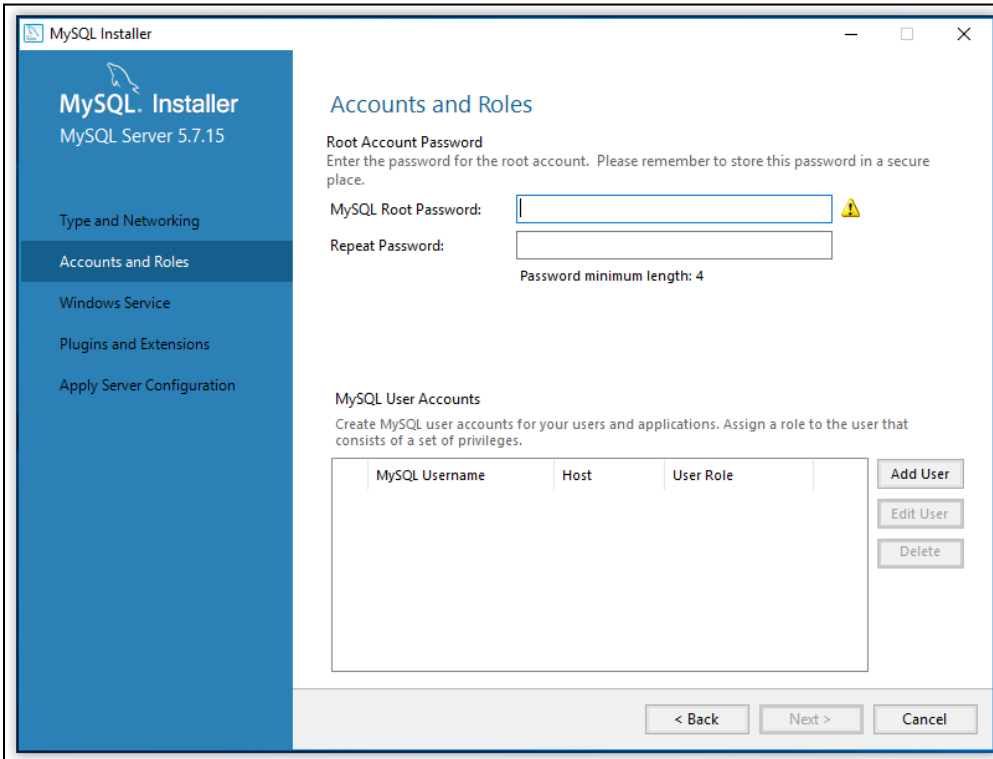
Select the checkbox below to get additional configuration page where you can set advanced options for this server instance.

☐ Show Advanced Options

Next > Cancel

**Step 11.** Set an account password for the root account, and then click the **Next** button.

- The recommended password for this course is: **password**.
- This will maintain consistency for all students. After installation, your credentials will be **username: root** and **password: password**.



**MySQL Installer**  
MySQL Server 5.7.15

**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 minimum length: 4

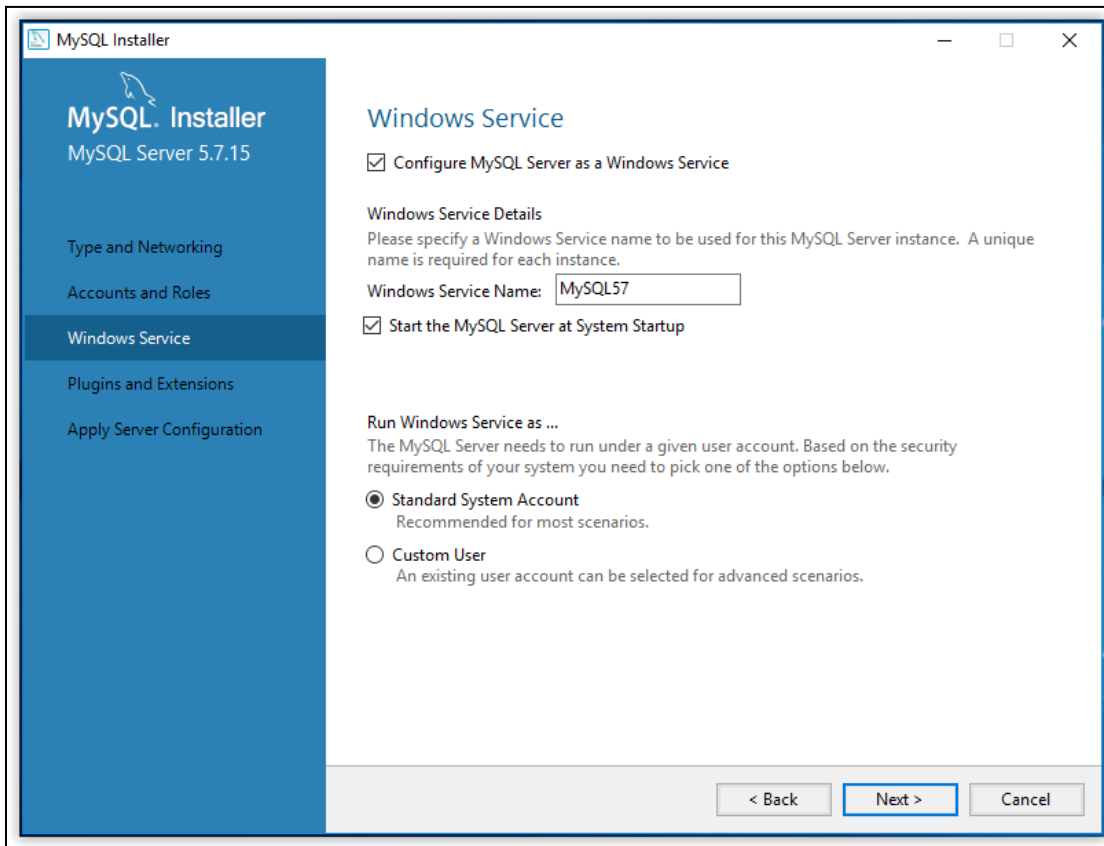
**MySQL User Accounts**  
Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL Username	Host	User Role

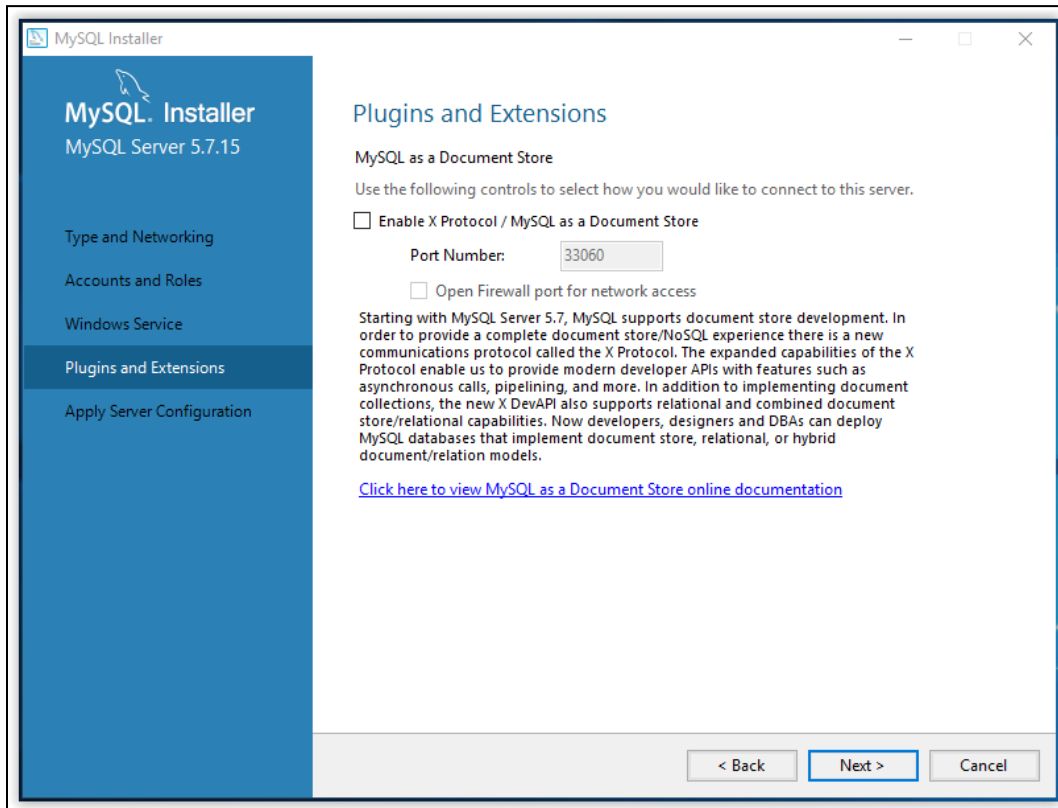
Add User  
Edit User  
Delete

< Back   Next >   Cancel

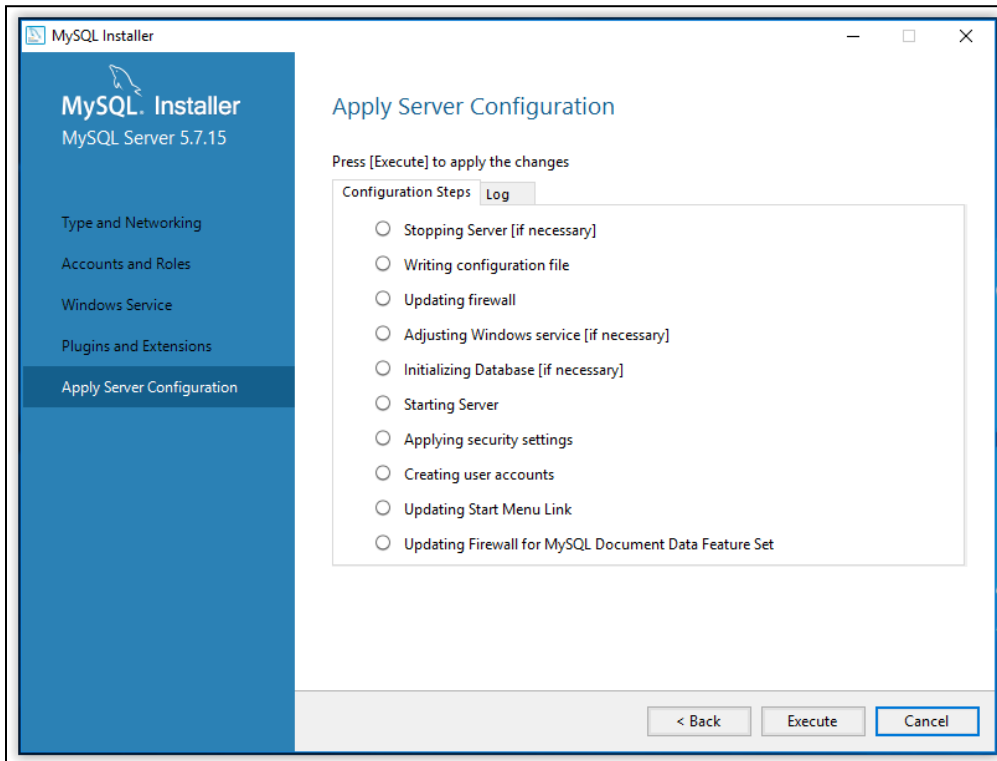
**Step 12.** On the Window Services page, Select “**Standard System Account,**” and then click the **Next** button.



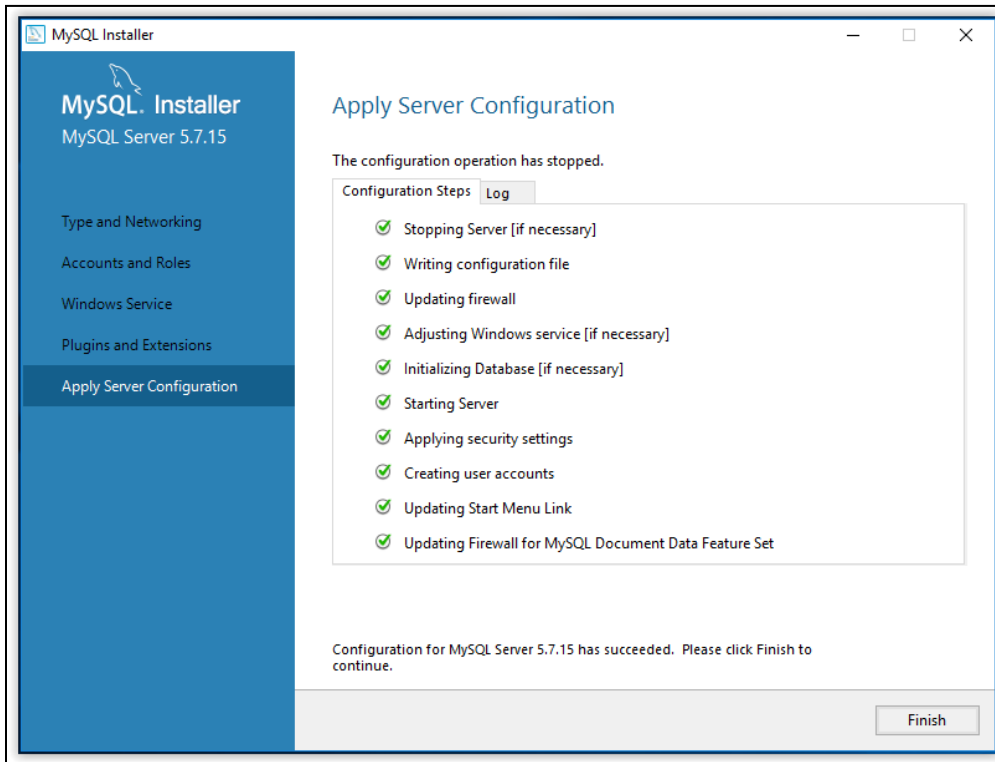
**Step 13.** Keep the default setting. Click on the **Next** button.



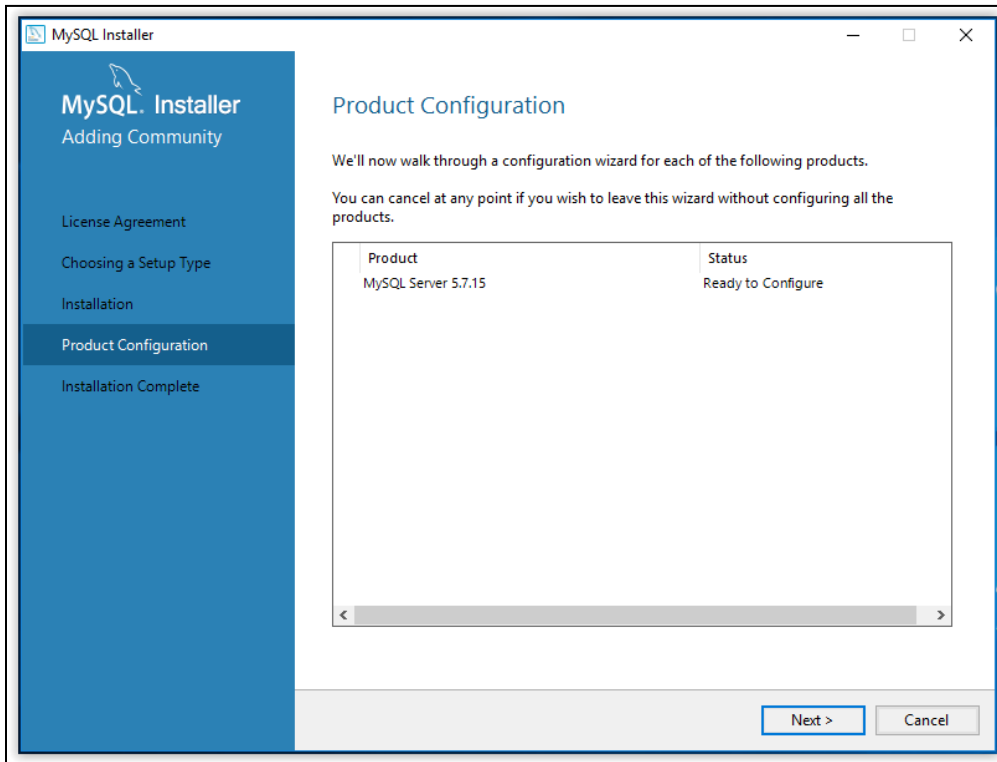
**Step 14.** To apply the chosen settings, click on the *Execute* button in the **Apply Server Configuration** window.



**Step 15.** When the configuration is complete, click on the **Finish** button as shown below.

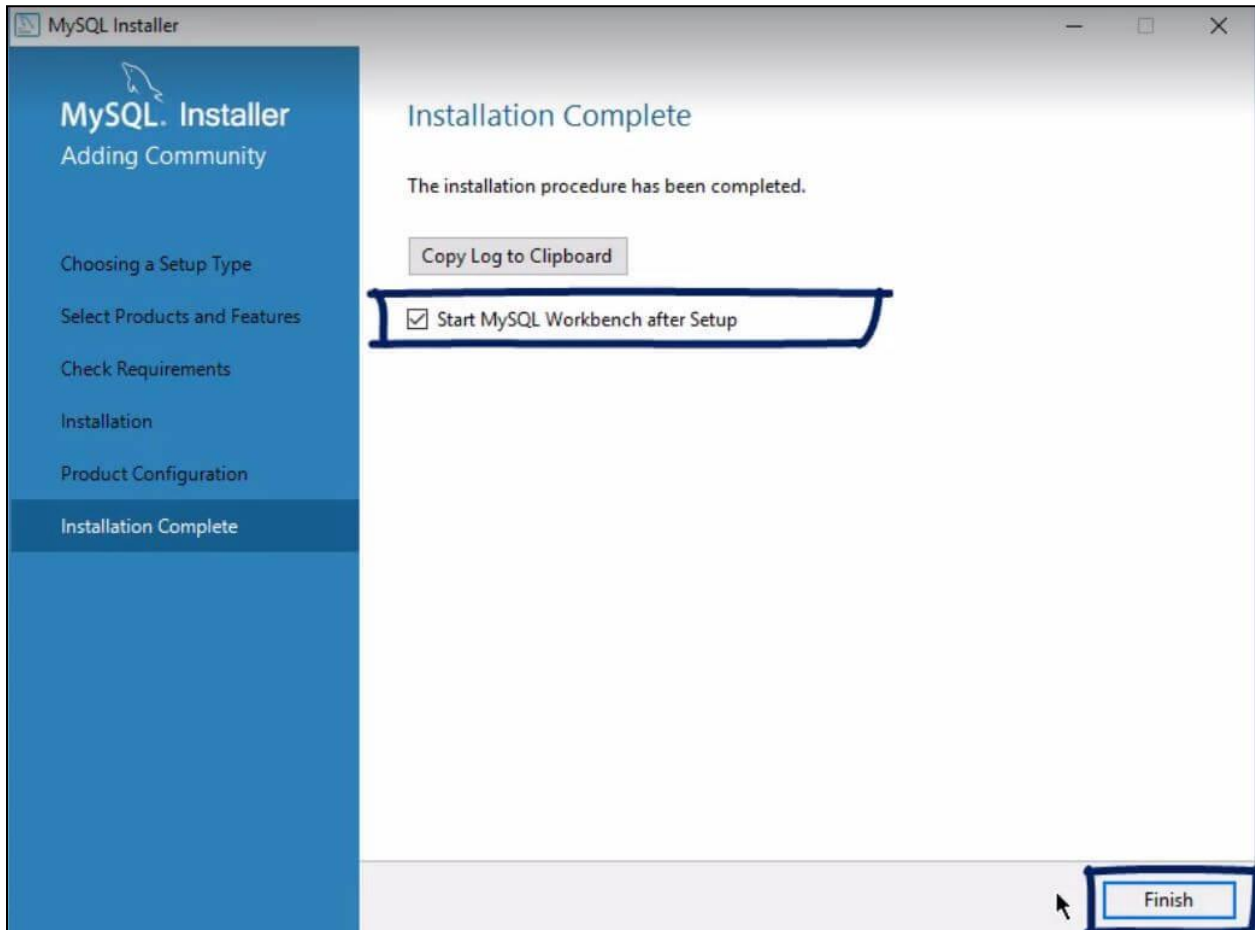


**Step 16.** The program will then go back to the **Product Configuration** screen. Click **Next** as shown below.



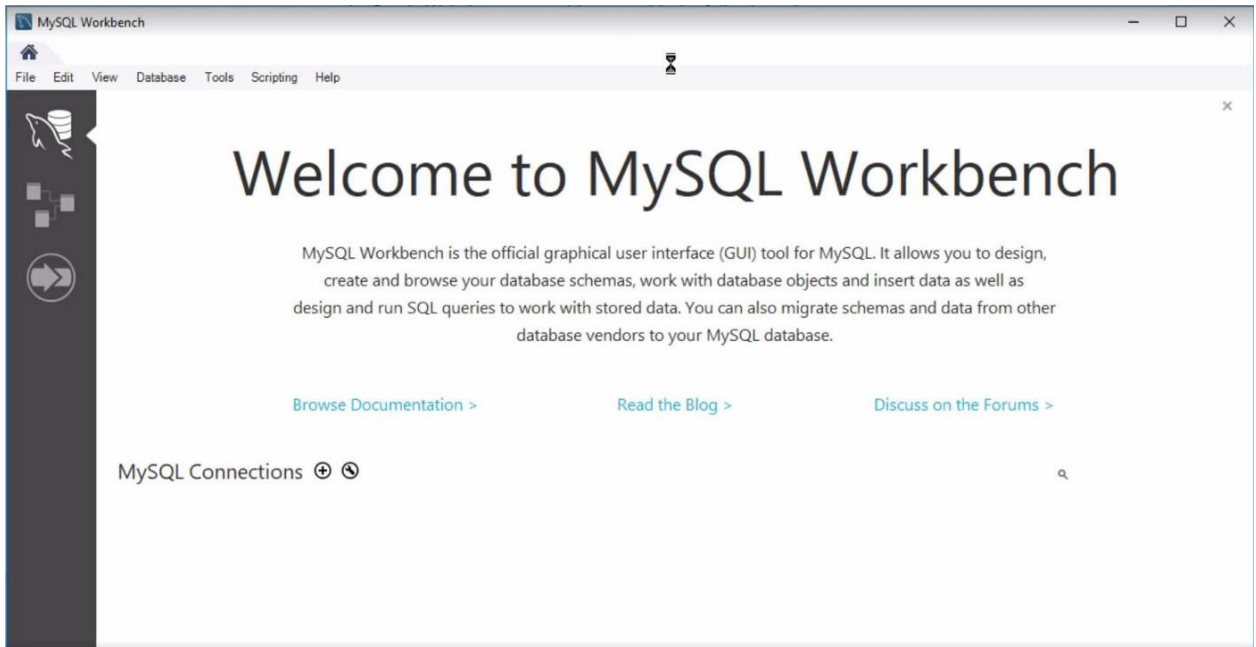
**Step 17.** Installation is now complete. Click the **Copy Log to Clipboard** button to see the ReadMe file, and then leave the tick on **“Start MySQL Workbench after Setup.”**

Click **Finish**.





Now, Workbench will load, and you can set up a connection between Workbench and the MySQL Server.



## Setting up a Connection

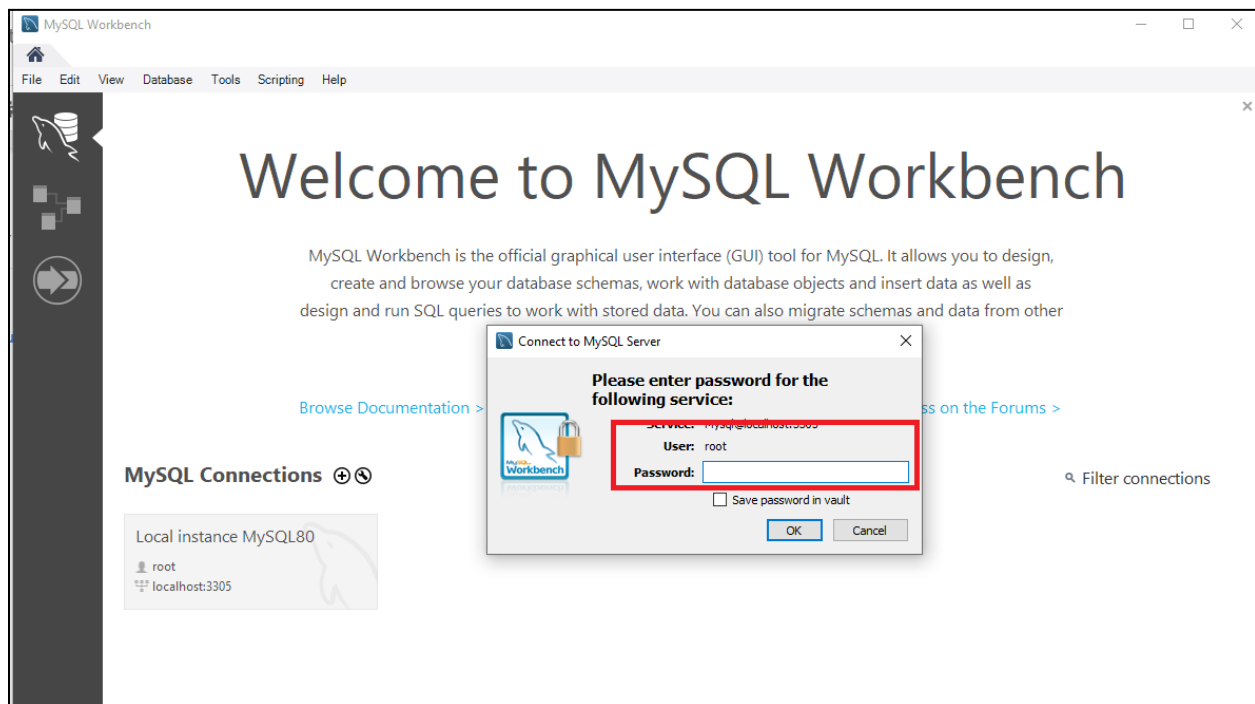
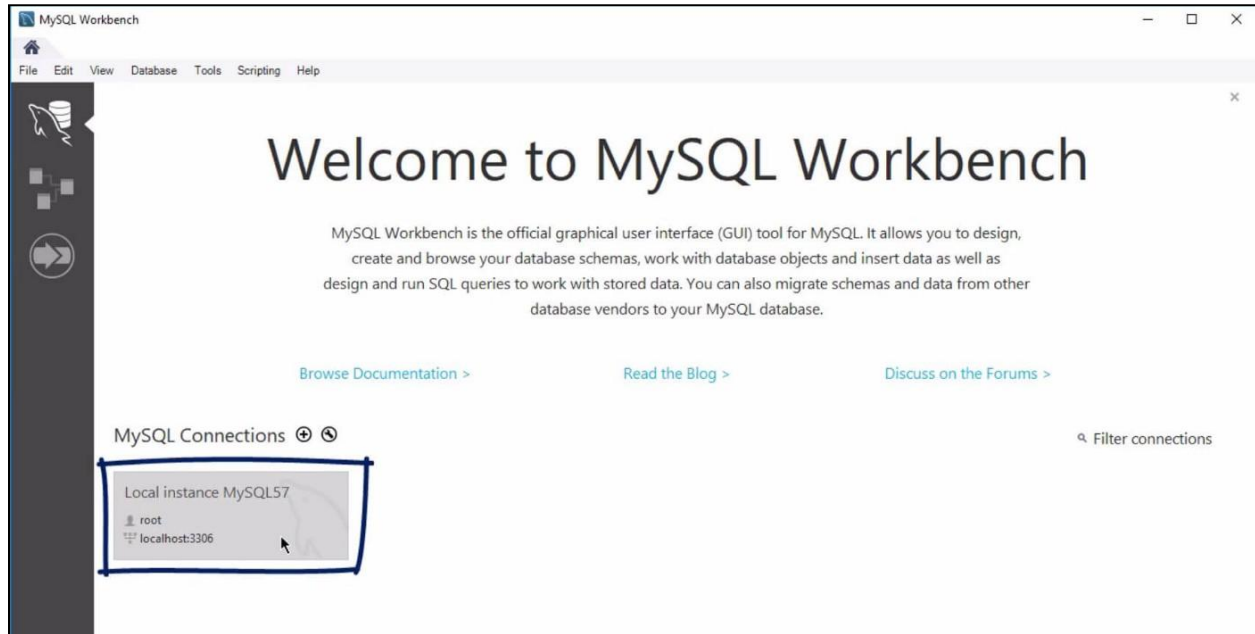
MySQL Workbench is the official Graphical User Interface (GUI) tool for MySQL. This means it will be the tool that will show us “communication” with the MySQL server.

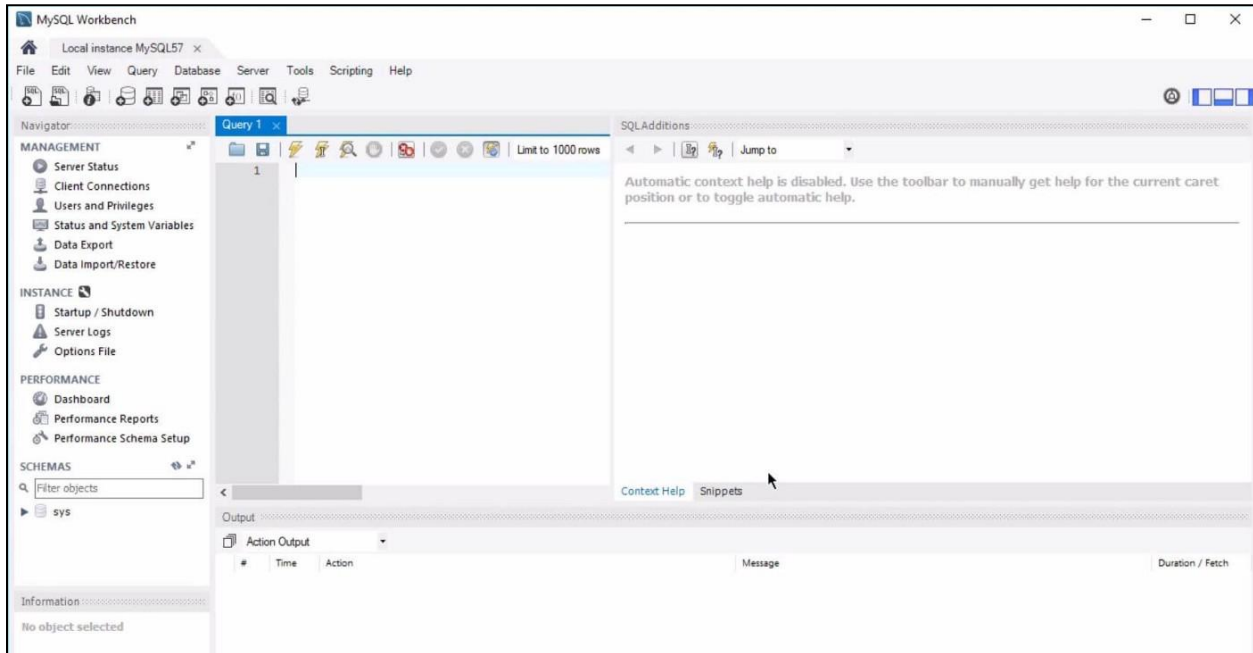


- First, to access Workbench, we must set up a connection between your GUI and the MySQL server. Otherwise, the two will not be linked, and you cannot execute any code.

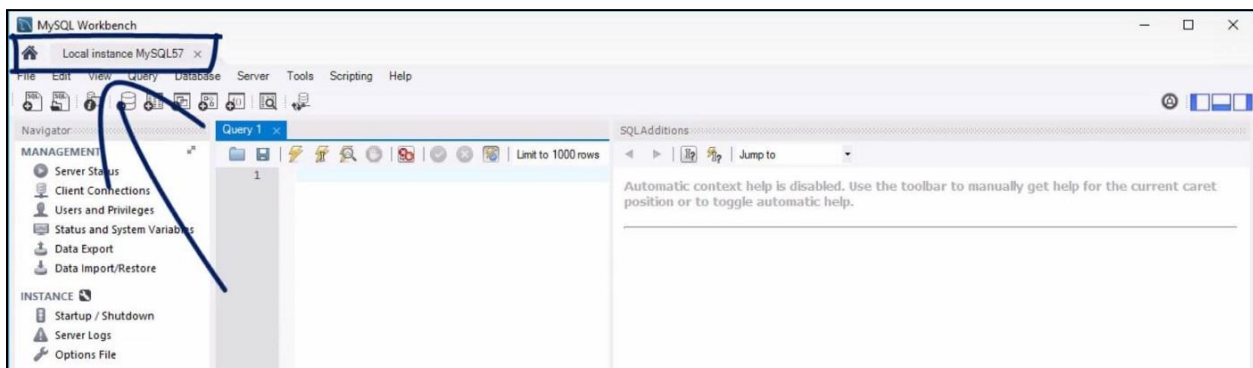
**Step 1:** The connection has been created for you. Follow the steps below:

- Click on **Local instance MySQL57** as shown in the screenshot below.
- Enter the password: your password, your password might be “**password**”
- Press “**Ok.**”

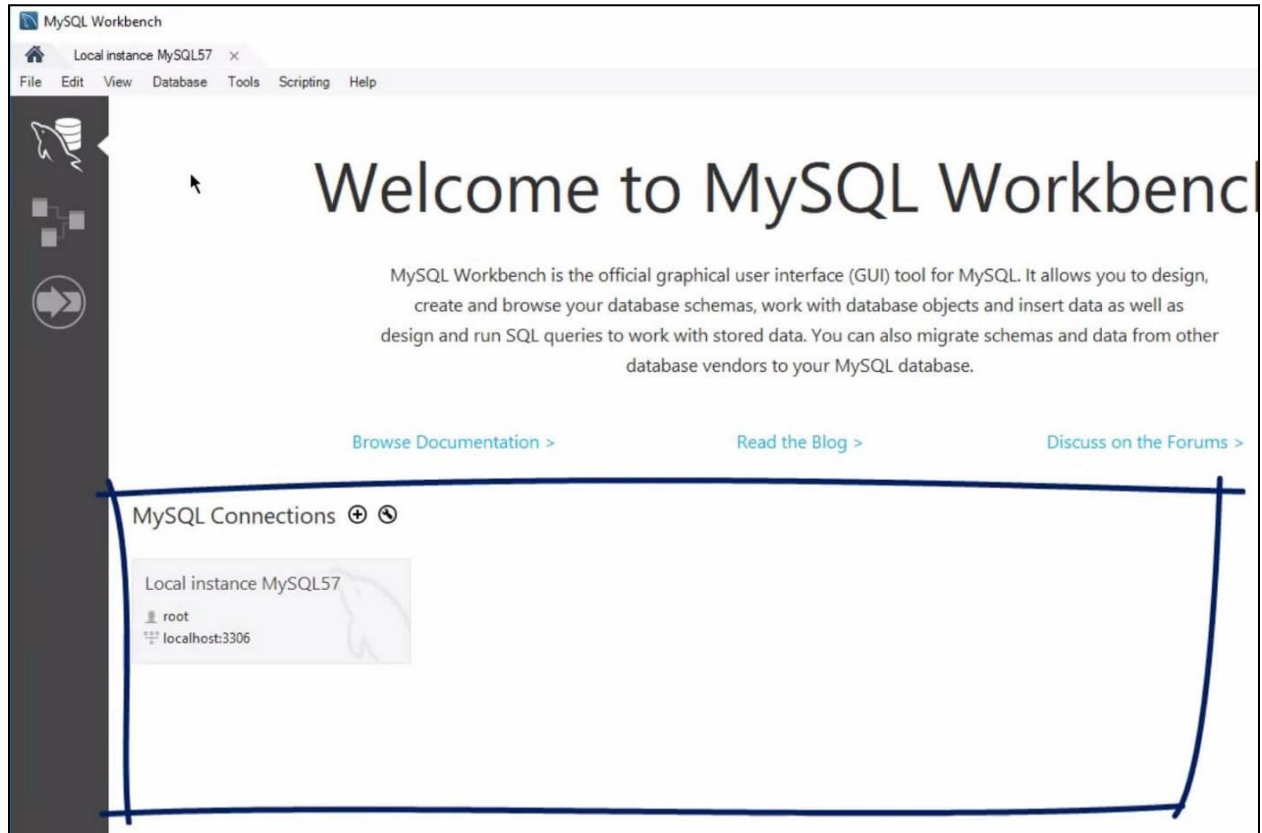




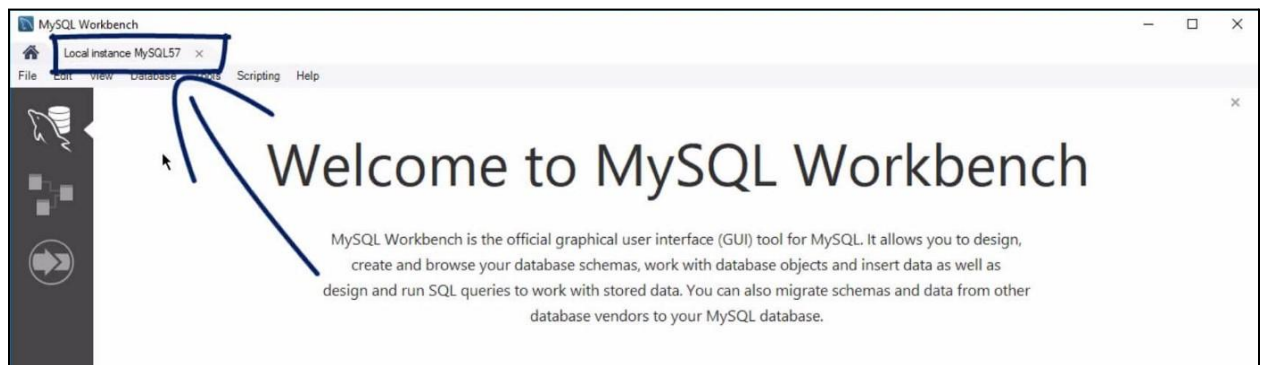
- Now you can use the MySQL Workbench!
- All connections will be under different tabs next to the house icon in the upper-left part of the screen.



- Press the house icon. Logically, you will immediately jump to the main tab, showing your MySQL connections. We can see just one.



- If you want to go back to the connection already loaded, you must click on its name. To close it, click the **close** sign.



## • For MacOS: Installing MySQL Workbench on Mac OS

### Overview:

In this section, we will install MySQL Workbench and a MySQL Server. This lab will demonstrate step-by-step how to install MySQL on a Mac using the MySQL Installer. After the lab, you will have a MySQL server and its tools up and running on your system for learning and practicing.

### Begin:

**Step 1:** Go to the official website of [MySQL](https://mysql.com) using any browser and scroll down. There you will find the following link:

Click on the **MySQL Community(GPL) Download**.

[Learn More »](#)

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

[Trial Download »](#)

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



**Step 2:** Click on the *MySQL Community Server* link.

- [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](#)

**Step 3:** If you are using a newer machine, simply click and **download** there. But if you are using an older machine, go for the archives. (Note: My machine is an older one; therefore, I have to move to Archives).

[General Availability \(GA\) Releases](#)
[Archives](#)


★

## MySQL Community Server 8.0.28

Select Operating System:

Select OS Version:

[Looking for previous GA versions?](#)

 Packages for Big Sur (11) are compatible with Monterey (12)

<b>macOS 11 (ARM, 64-bit), DMG Archive</b> <small>(mysql-8.0.28-macos11-arm64.dmg)</small>	8.0.28	419.9M	<a href="#">Download</a>
MD5: 9fe7f6911deccd4961a845b28a8ac95d   <a href="#">Signature</a>			
<b>macOS 11 (x86, 64-bit), DMG Archive</b> <small>(mysql-8.0.28-macos11-x86_64.dmg)</small>	8.0.28	425.5M	<a href="#">Download</a>
MD5: 27ee41c26a7644d1ddfe3a35e4482617   <a href="#">Signature</a>			

**Step 4:** Choose the version, and **Download** the proper software.

**⚠ Please note that these are old versions. New releases will have recent bug fixes and features!**  
 To download the latest release of MySQL Community Server, please visit [MySQL Downloads](#).

Product Version:  ★

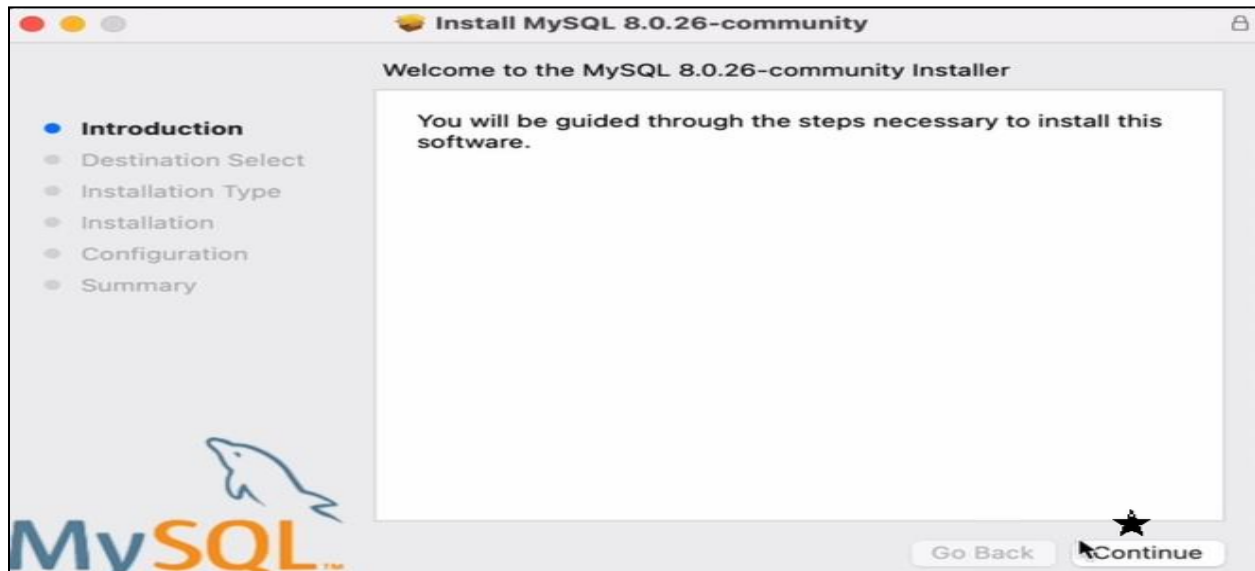
Operating System:

OS Version:

**💡 Packages for Big Sur (11) on x86 are compatible with Catalina (10.15)**

Package Name	Release Date	Size	Action
<b>macOS 11 (ARM, 64-bit), DMG Archive</b> <small>(mysql-8.0.26-macos11-arm64.dmg)</small>	Aug 4, 2021	413.8M	<div style="text-align: right;">★</div> <div style="text-align: right;"> <a href="#">Download</a> </div>
<b>macOS 11 (x86, 64-bit), DMG Archive</b> <small>(mysql-8.0.26-macos11-x86_64.dmg)</small>	Jul 1, 2021	418.3M	<div style="text-align: right;">★</div> <div style="text-align: right;"> <a href="#">Download</a> </div>

**Step 5:** Start the installation process by clicking the **Continue** button.

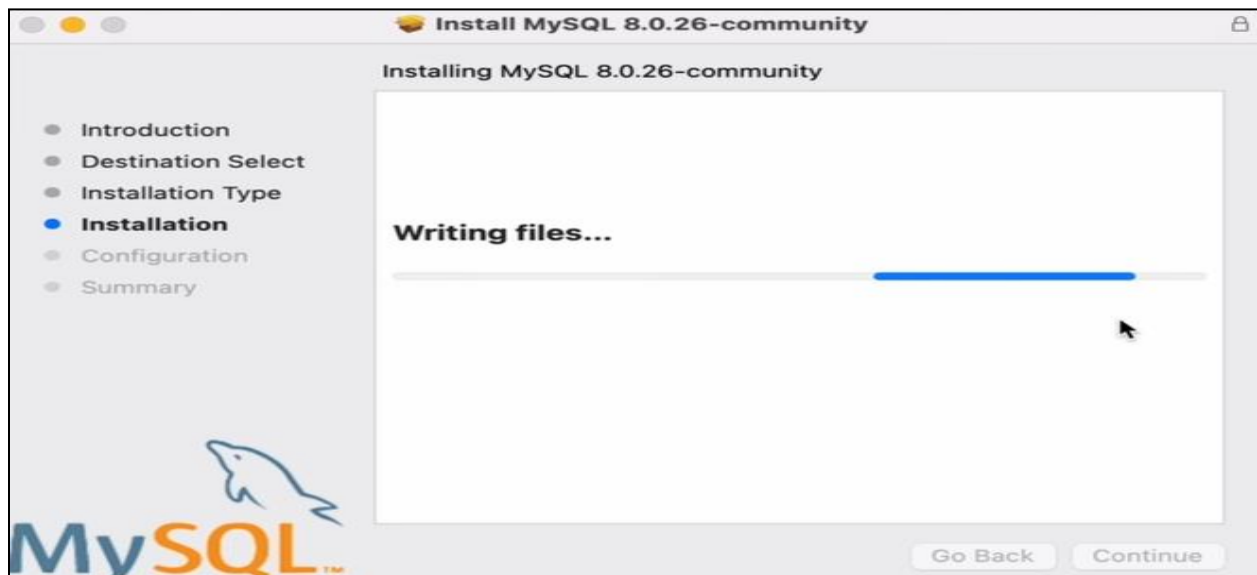




**Step 6:** Click on the **Install** button to move forward.



**Step 7:** Wait for the installation process to complete.

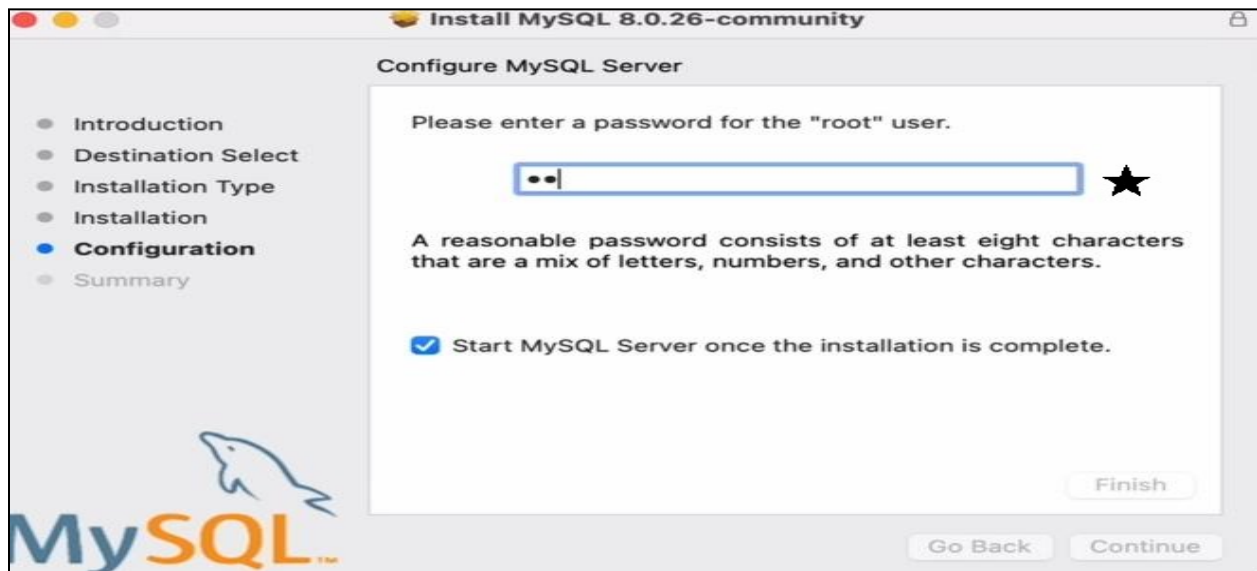


**Step 8:** Click on the **Next** button for the next process.

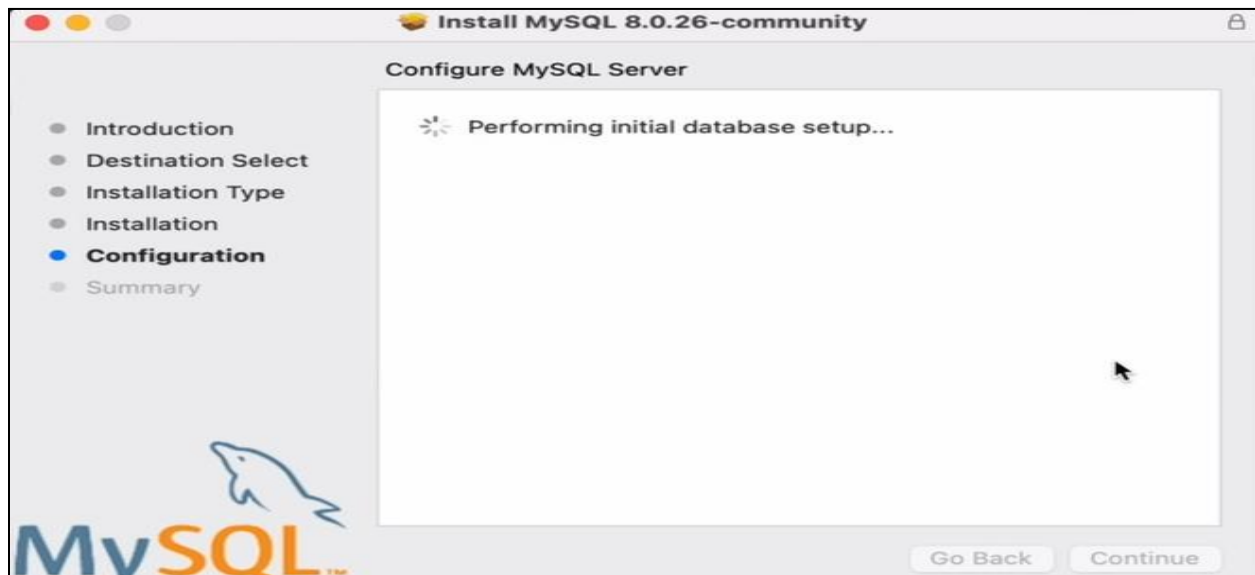


**Step 9:** Provide a password, and then click on the **continue** button.

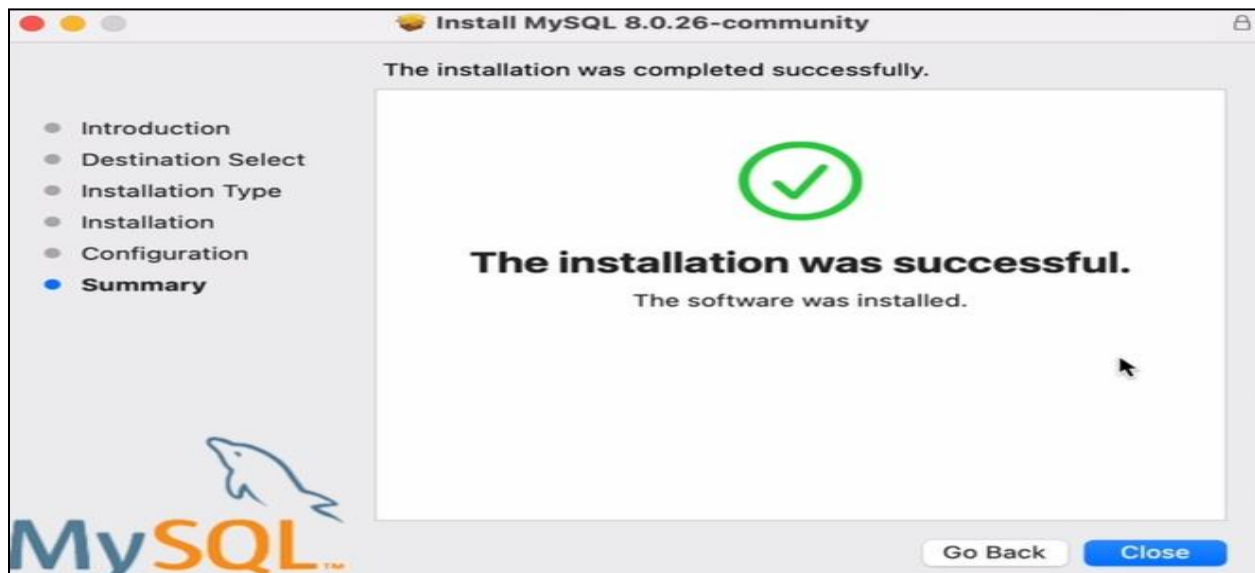
- The recommended password for this course is: **password**.
- *This will maintain consistency for all students. After installation, your credentials will be **username: root** and **password: password**.*



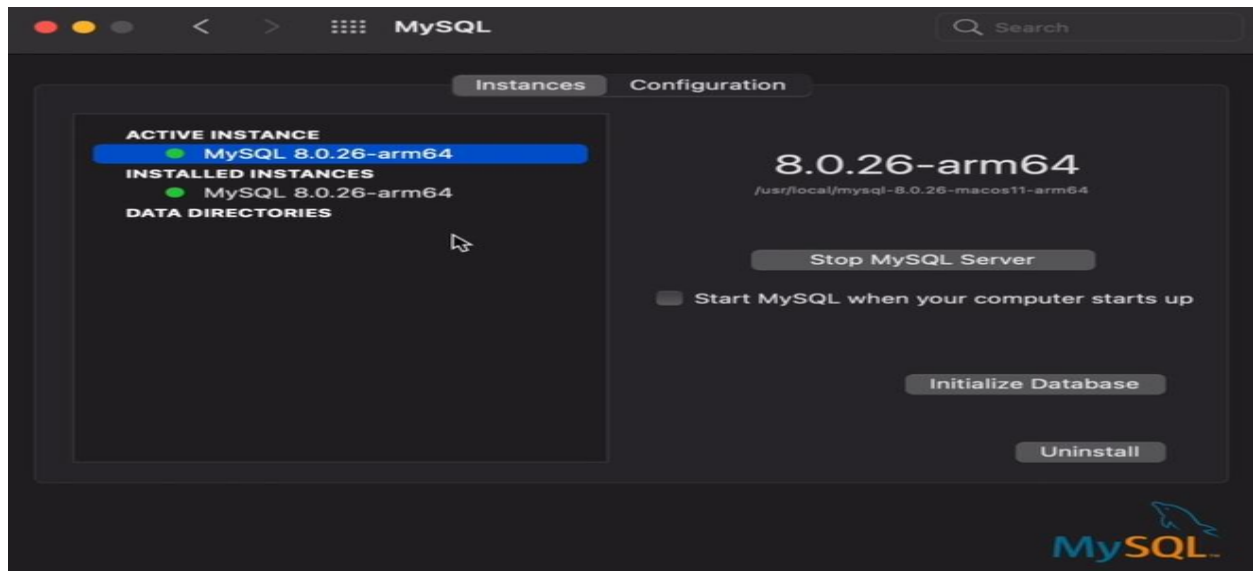
**Step 10:** Wait some time for the process.



**Step 11:** You will find your installation is successful. Click on the **Close** button.



**Step 12:** Finally, go to **system preferences**. There you will find MySQL is installed.



## Video References

- [Install MySQL - Workbench On Window OS.](#)
- [MySQL Workbench Tour.](#)
- [How to Install MySQL on Mac using Homebrew](#)
- [Install Mysql server in Macbook M1\(Apple Silicon\) | MacOS Monterey](#)
- [Mac MySQL Community Server and Workbench Install](#)
- 

## References:

- <https://dev.mysql.com/doc/mysql-installer/en/>
- <https://downloads.mysql.com/docs/workbench-en.pdf>
- <https://www.ccs.neu.edu/home/kathleen/classes/cs3200/MySQLWorkbenchMAC10.pdf>
- <http://download.nust.na/pub6/mysql/doc/refman/4.1/en/mac-os-x-installation.html>