MySQL Installation on Windows :

Step 0: Installing the Microsoft Visual C++ 2019 Redistributable requirement for MySQL

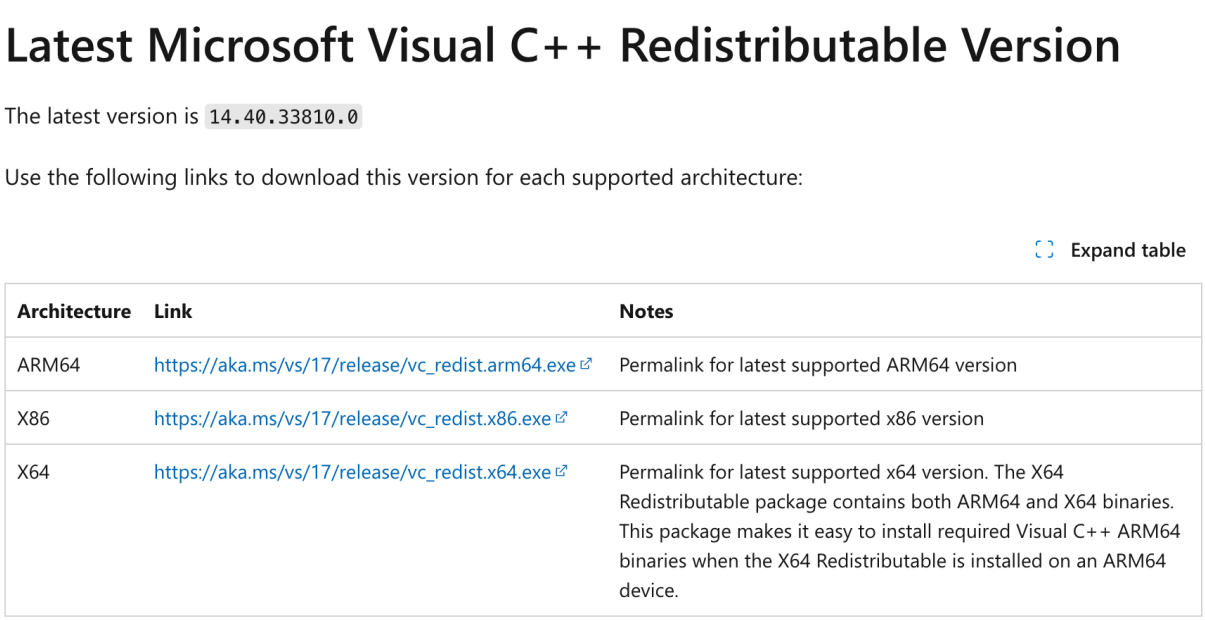
First, for MySQL to work on your Windows operating system, you need to make sure that you have the following requirement installed: **Microsoft Visual C++ 2019 Redistributable**.

Download and install the **Microsoft Visual C++ 2019 Redistributable** from the following link (**but check the note below first!**):

https://learn.microsoft.com/en-us/cpp/windows/latest-supported-vc-redist?view=msvc-170#visual-studio-2015-2017-2019-and-2022

> **Note:** If you are not sure whether your system is running the X64, X86, or ARM64 architecture (that are shown as choices in the download options on the page linked above) — then follow these steps to check:
>
> Click the Windows '**Start**' button > find '**Settings**' there > click '**System**' > click '**About**'. There, find '**System type**' and check what it says. It could be one of these options:
>
> - 64-bit (x64)
> - 32-bit (x86)
> - 64-bit (ARM64)
>
> **Note which one you have and choose the version of the Microsoft Visual C++ 2019 Redistributable download accordingly:** https://learn.microsoft.com/en-

> us/cpp/windows/latest-supported-vc-redist?view=msvc-170#latest-microsoft-visual-c-redistributable-version
>
> If you are not sure whether your system is running the **X64**, **X86**, or **ARM64** architecture (that are shown as choices in the download options on the page linked above) — then **first try to download and install the X64 version**, and if that triggers errors when you start the installer, you might need to download the **X86** version instead. If neither of those work, try the **ARM64** version.



Latest Microsoft Visual C++ Redistributable Version

The latest version is `14.40.33810.0`

Use the following links to download this version for each supported architecture:

Expand table

Architecture	Link	Notes
ARM64	https://aka.ms/vs/17/release/vc_redist.arm64.exe	Permalink for latest supported ARM64 version
X86	https://aka.ms/vs/17/release/vc_redist.x86.exe	Permalink for latest supported x86 version
X64	https://aka.ms/vs/17/release/vc_redist.x64.exe	Permalink for latest supported x64 version. The X64 Redistributable package contains both ARM64 and X64 binaries. This package makes it easy to install required Visual C++ ARM64 binaries when the X64 Redistributable is installed on an ARM64 device.

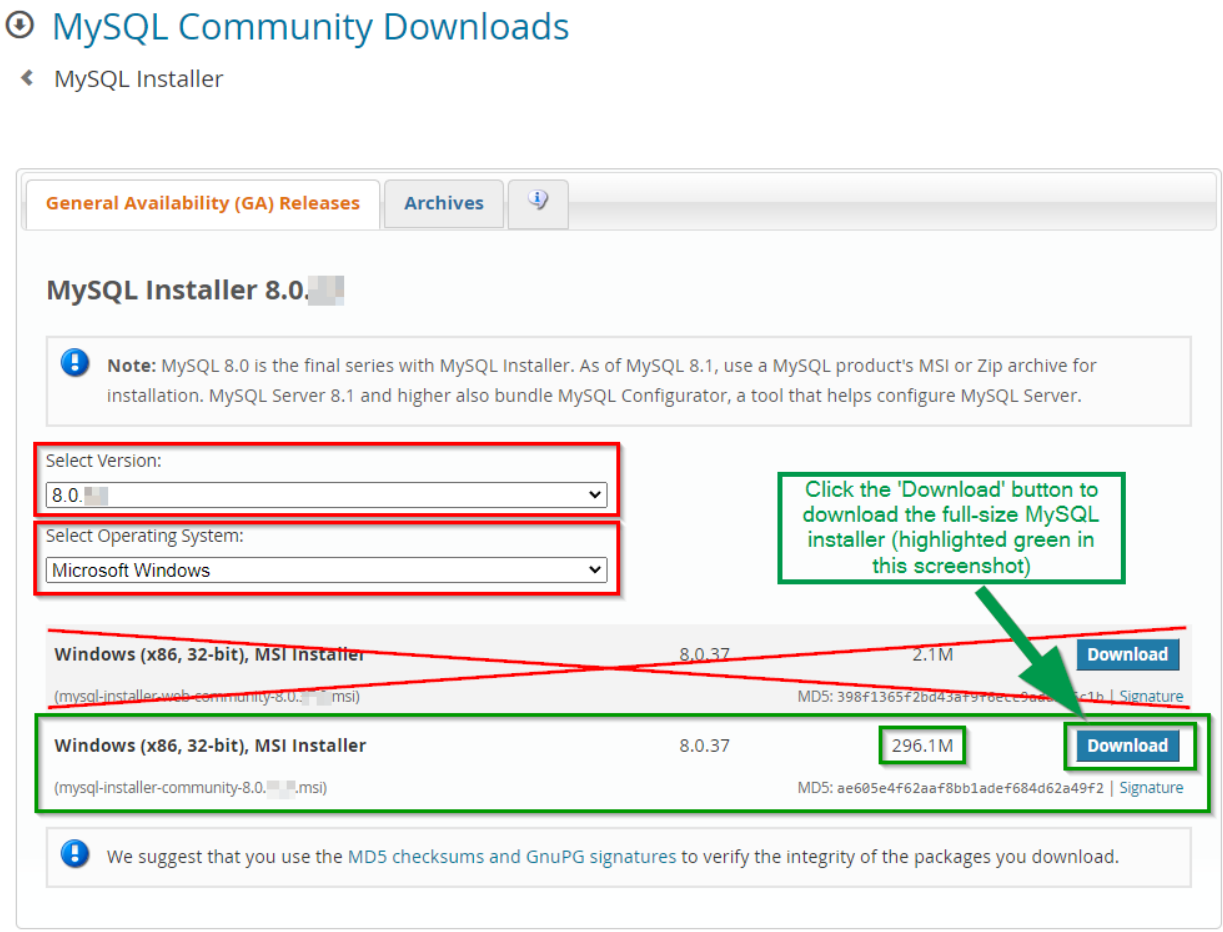
Step 1. Downloading the correct MySQL Installer for Windows

1.1. You can download the MySQL Installer for Windows via this link:

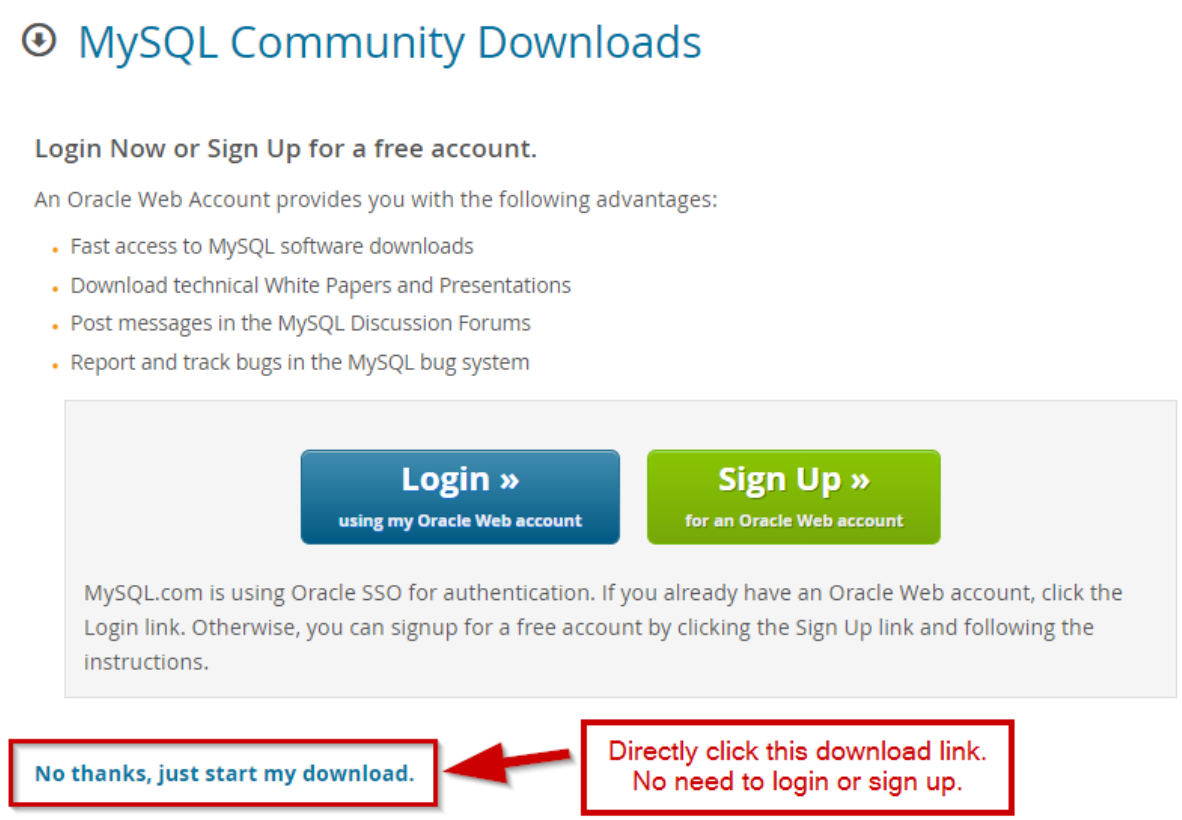
https://dev.mysql.com/downloads/installer/

On that page, ensure that the MySQL version **8.0.39** is selected.

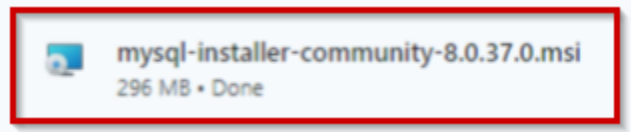
Also, when you open the above-linked page, make sure that you download and start the MySQL **full-size offline installer** — it's the one that's a larger download in terms of the installer file size (and **not** smaller-sized web installer), as shown in the screenshot below:



1.2. After you click the '**Download**' button shown above, you will be taken to another page where you need to click '**No thanks, just start my download.**', as shown in the screenshot below:

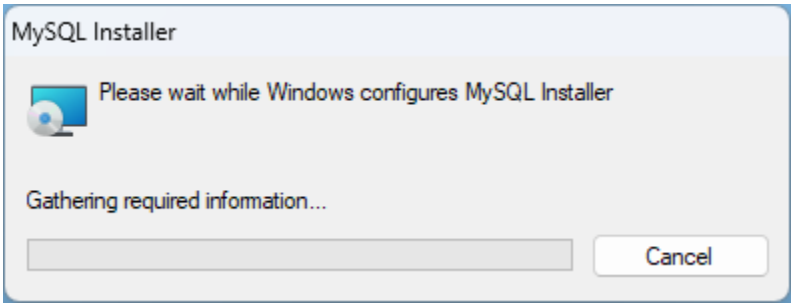


1.3. The download should then start. After the download finishes, run the downloaded .msi installer file:

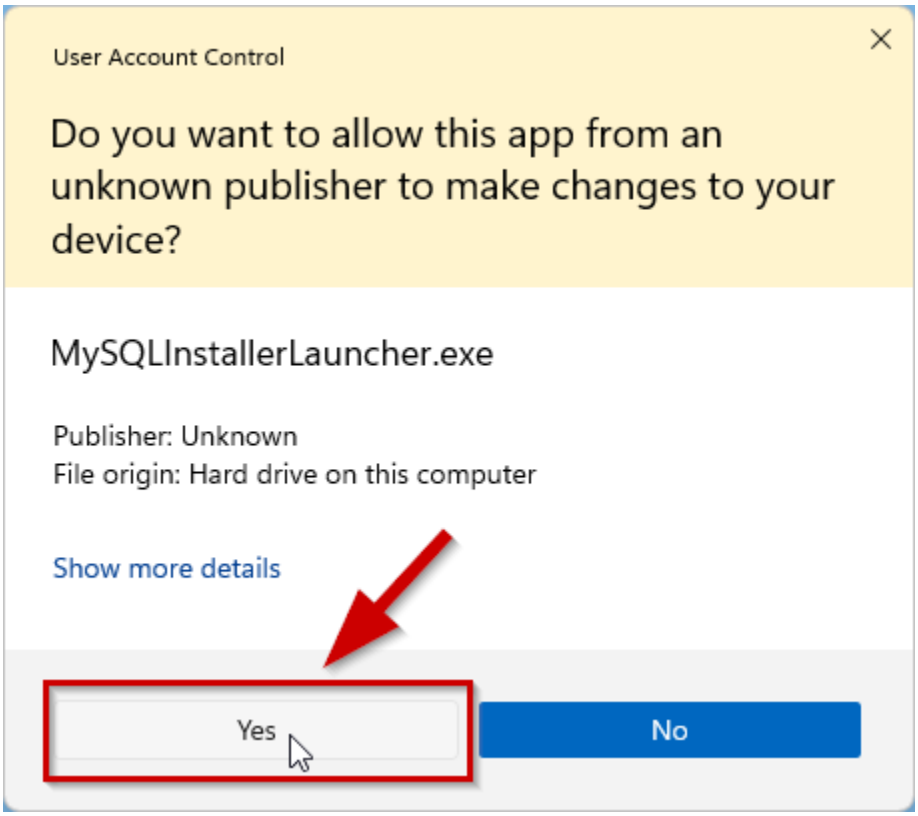


Step 2: Installing MySQL on Windows

2.1. After you start the installer, you will need to wait until it prepares the installation:



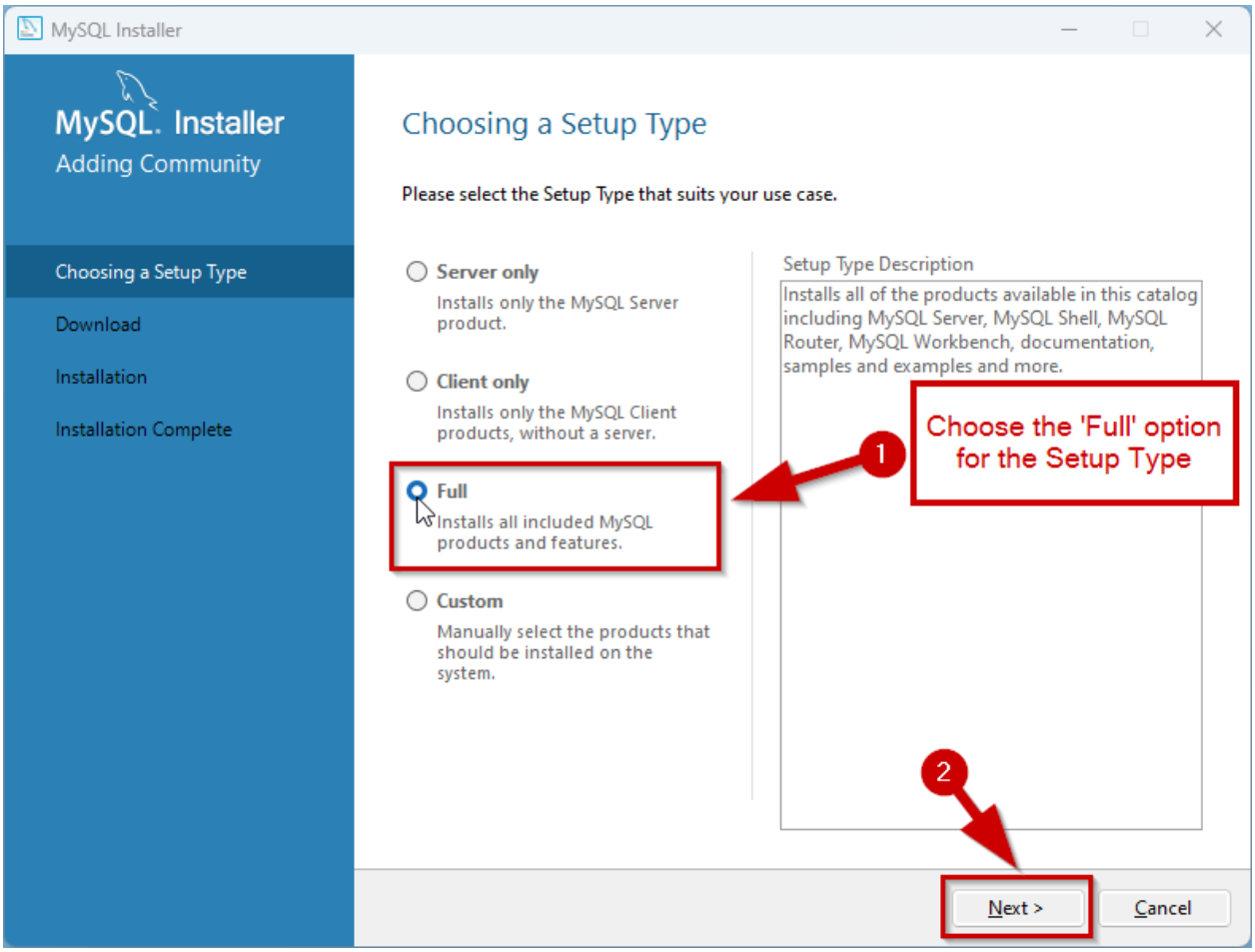
2.2. When the Windows 'User Account Control' security dialog pops up for this MySQL installer, select '**Yes**' (or Allow/Proceed) to continue the MySQL installation process. See the screenshot below for reference:



2.3. For the '**Setup Type**', make sure to choose '**Full**'.

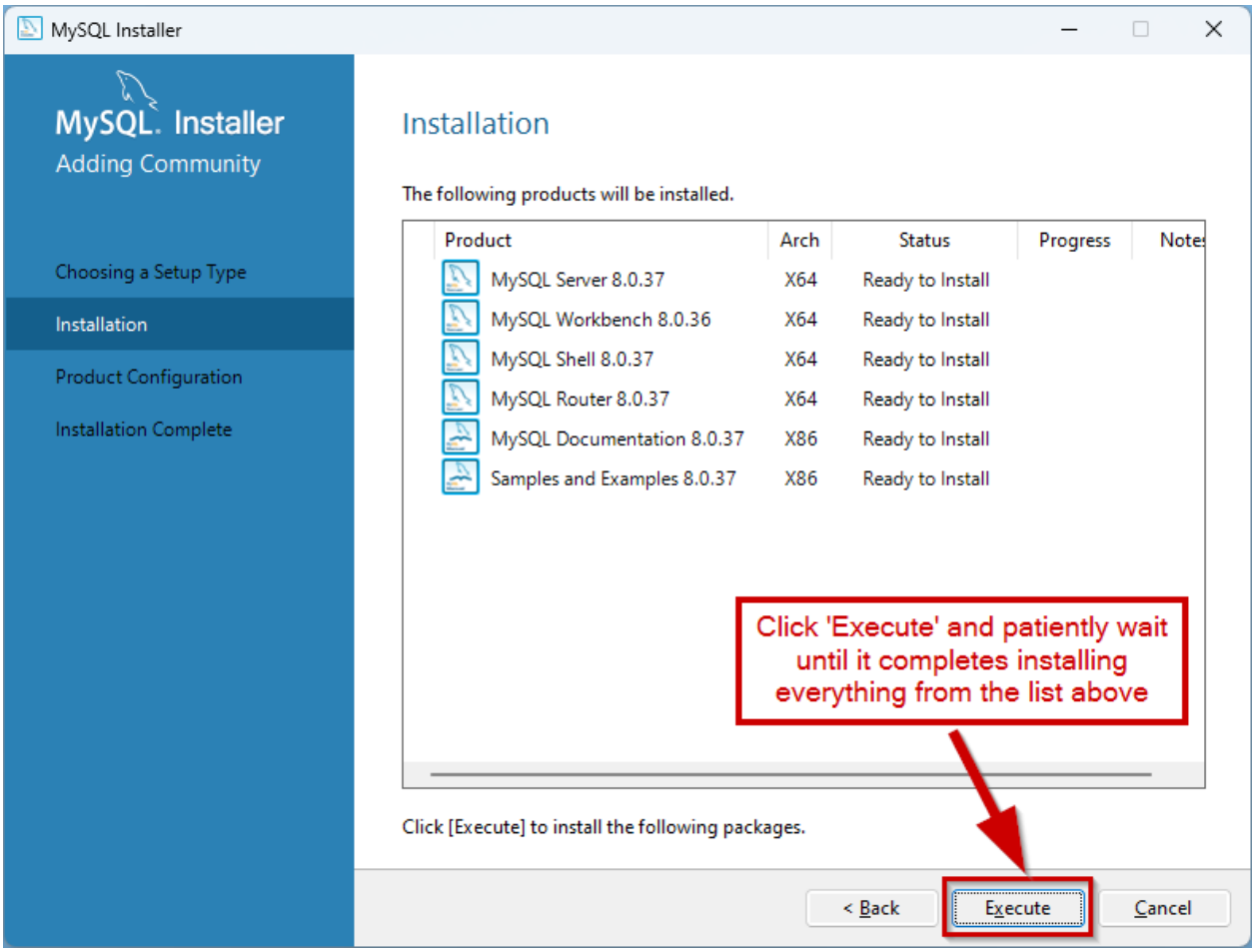
If you watch the previous Windows installation video course lecture, there was a different option that was picked. However, the MySQL installer was updated in the meantime, so currently make sure to follow the newest instructions here and choose the '**Full**' setup type option (and not 'Custom' or 'Developer Default').

So, select the '**Full**' option exactly as shown in the screenshot below:

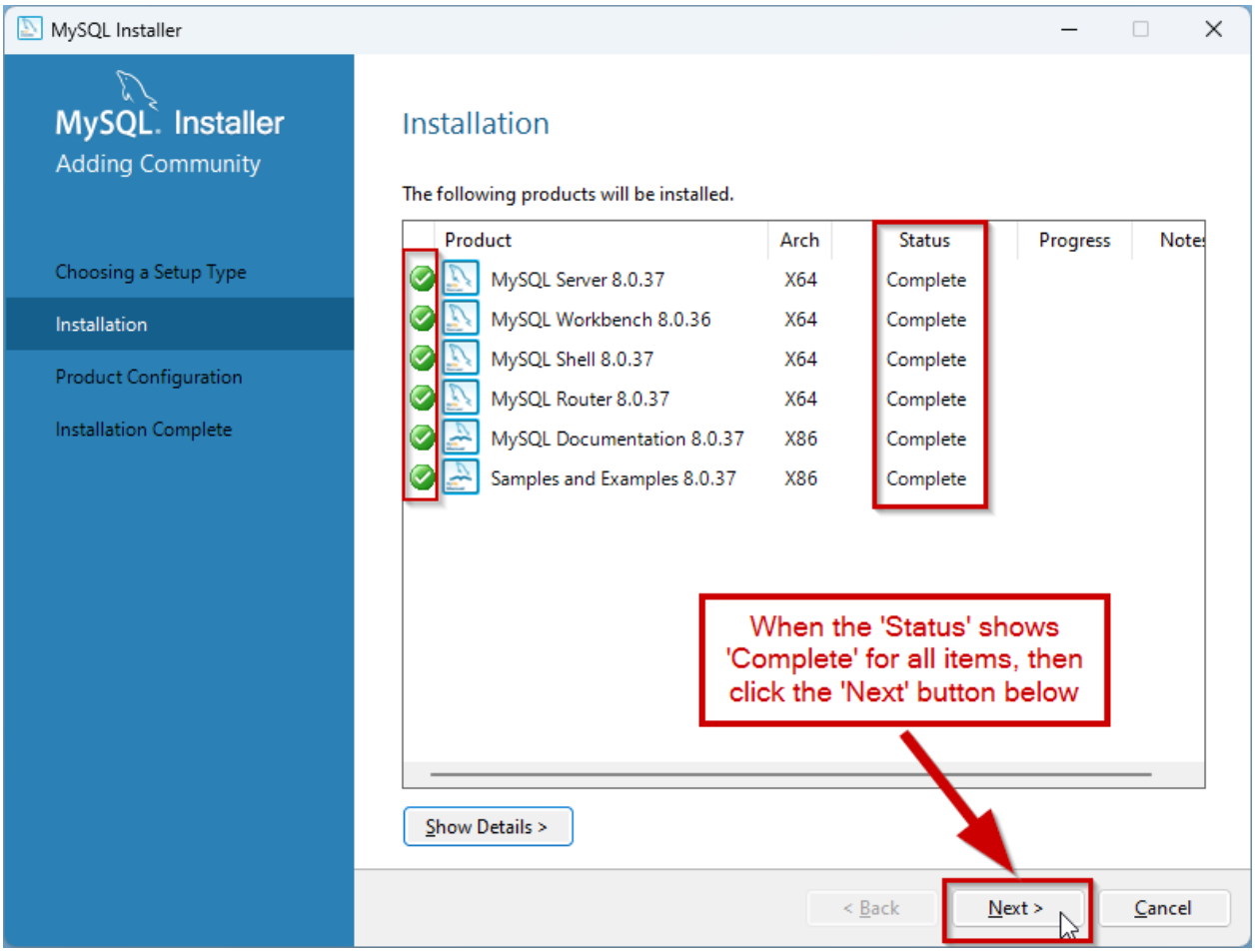


> **Note: you don't need necessarily need to install any MySQL "Connectors" during the MySQL installation process to follow the "The Ultimate MySQL Bootcamp" course by Colt Steele (for example, you don't need to install the MySQL Connector/Python for this course)** — so, if you get any prompts regarding any "Connectors" during the MySQL installer, you can just **skip** installing those Connectors at this point, they are not needed for this course.

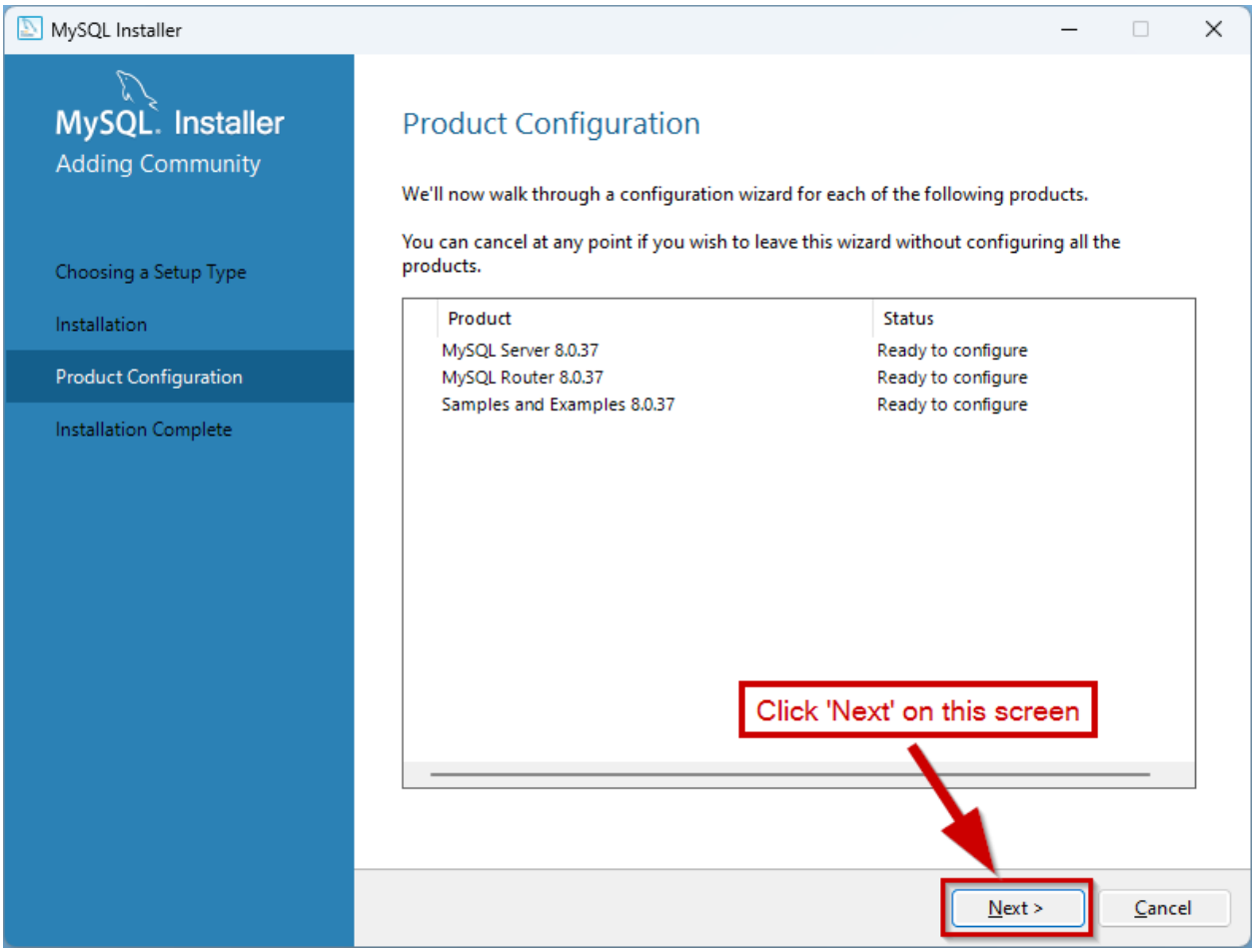
2.4. On the '**Installation**' screen that follows, click the '**Execute**' button and patiently wait until it completes installing everything from the list. See the screenshot below:



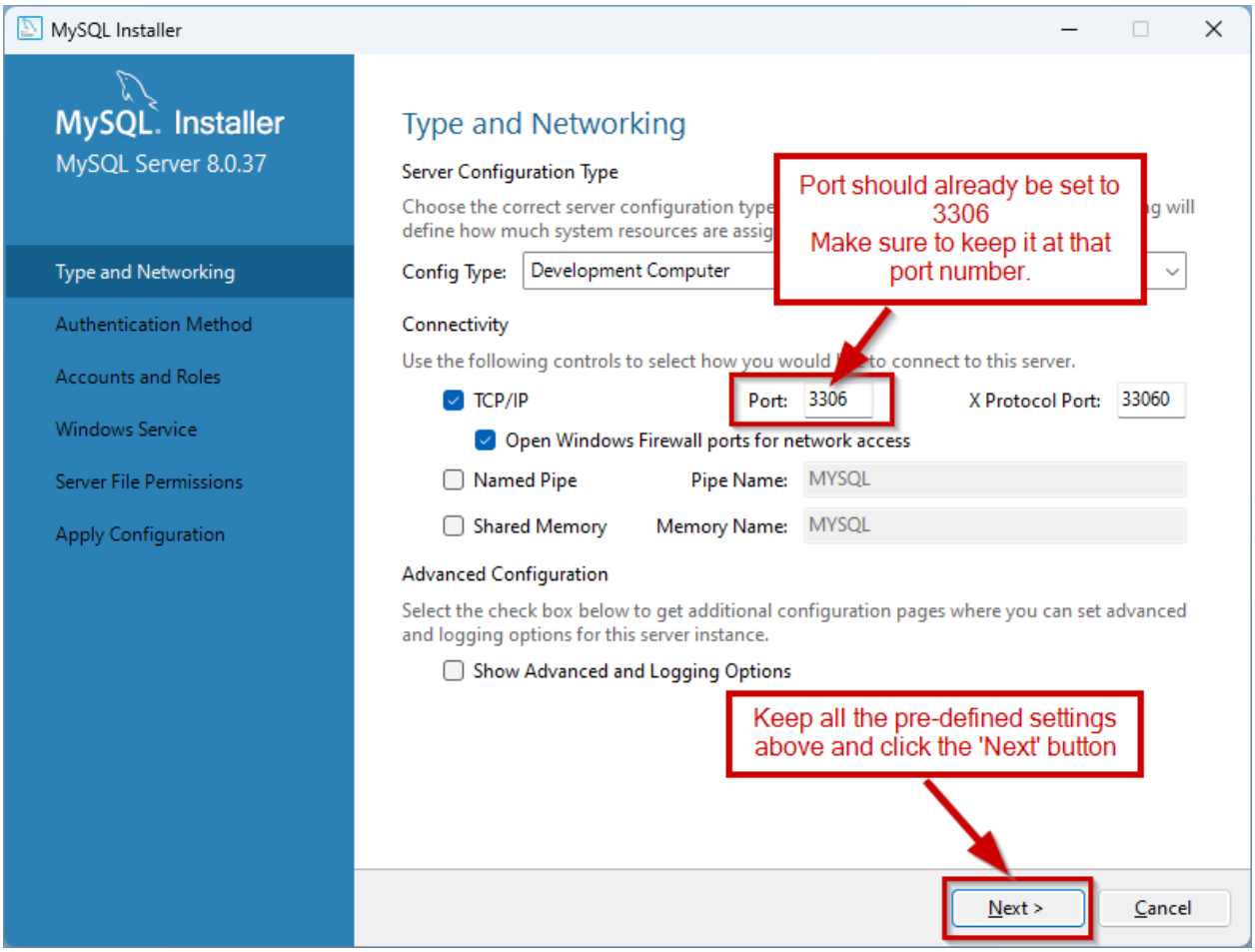
2.5. When the '**Status**' shows '**Complete**' for all items, click the '**Next**' button:



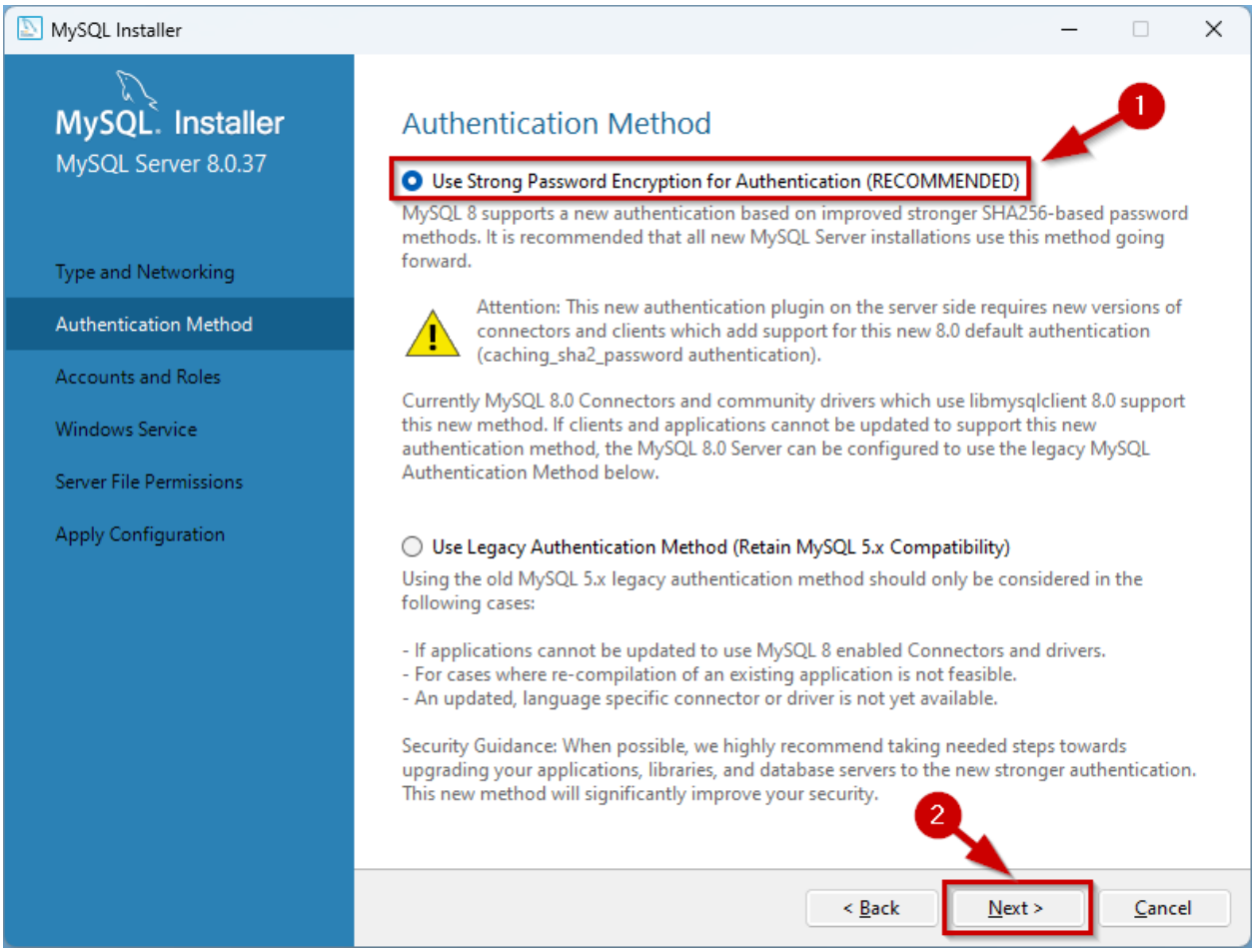
2.6. Click '**Next**' on the screen that follows:



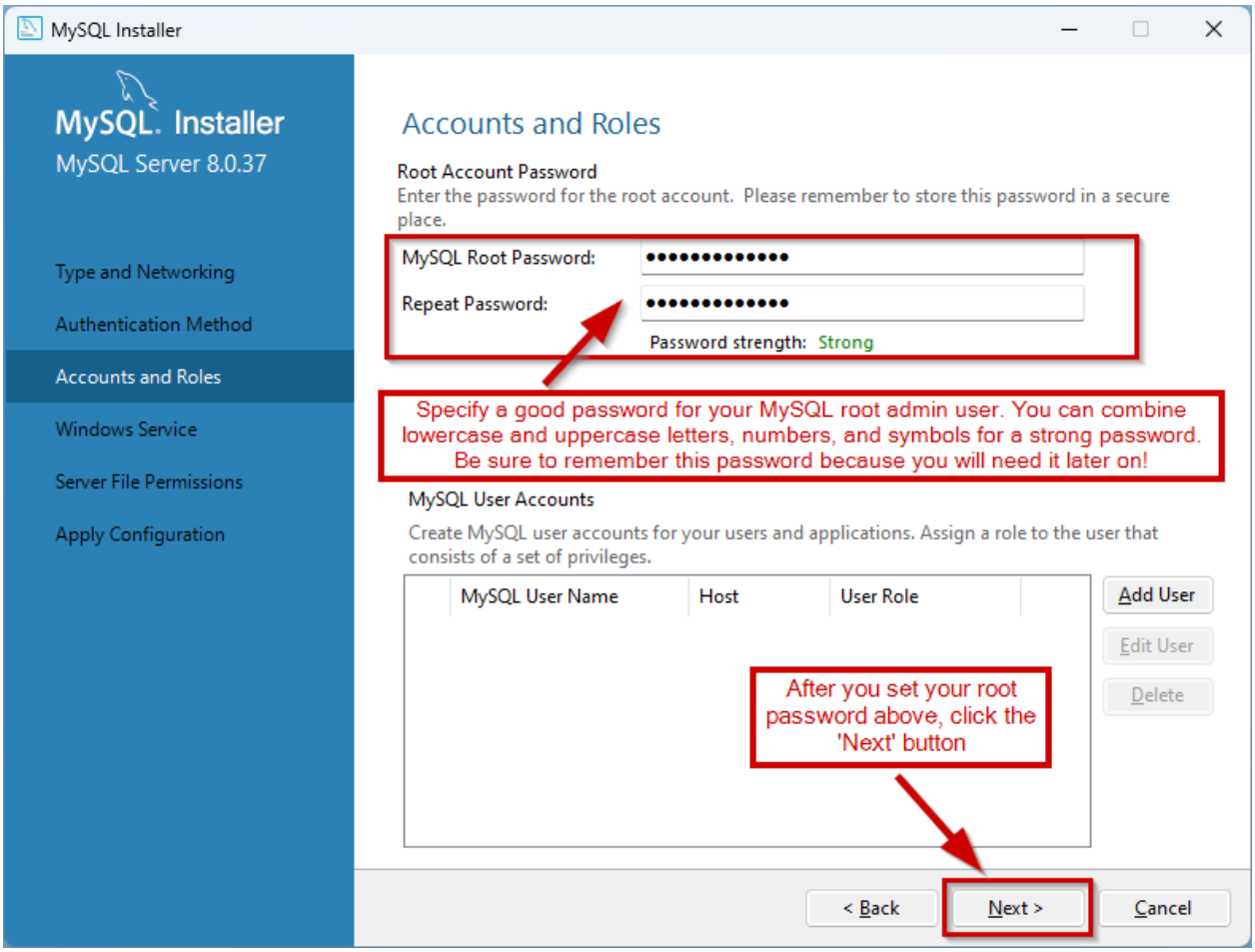
2.7. On the next screen, the '**Port**' should already be set to **3306** — make sure that you keep it at that number, and leave all the other pre-defined settings and click the '**Next**' button, as shown in the screenshot below:



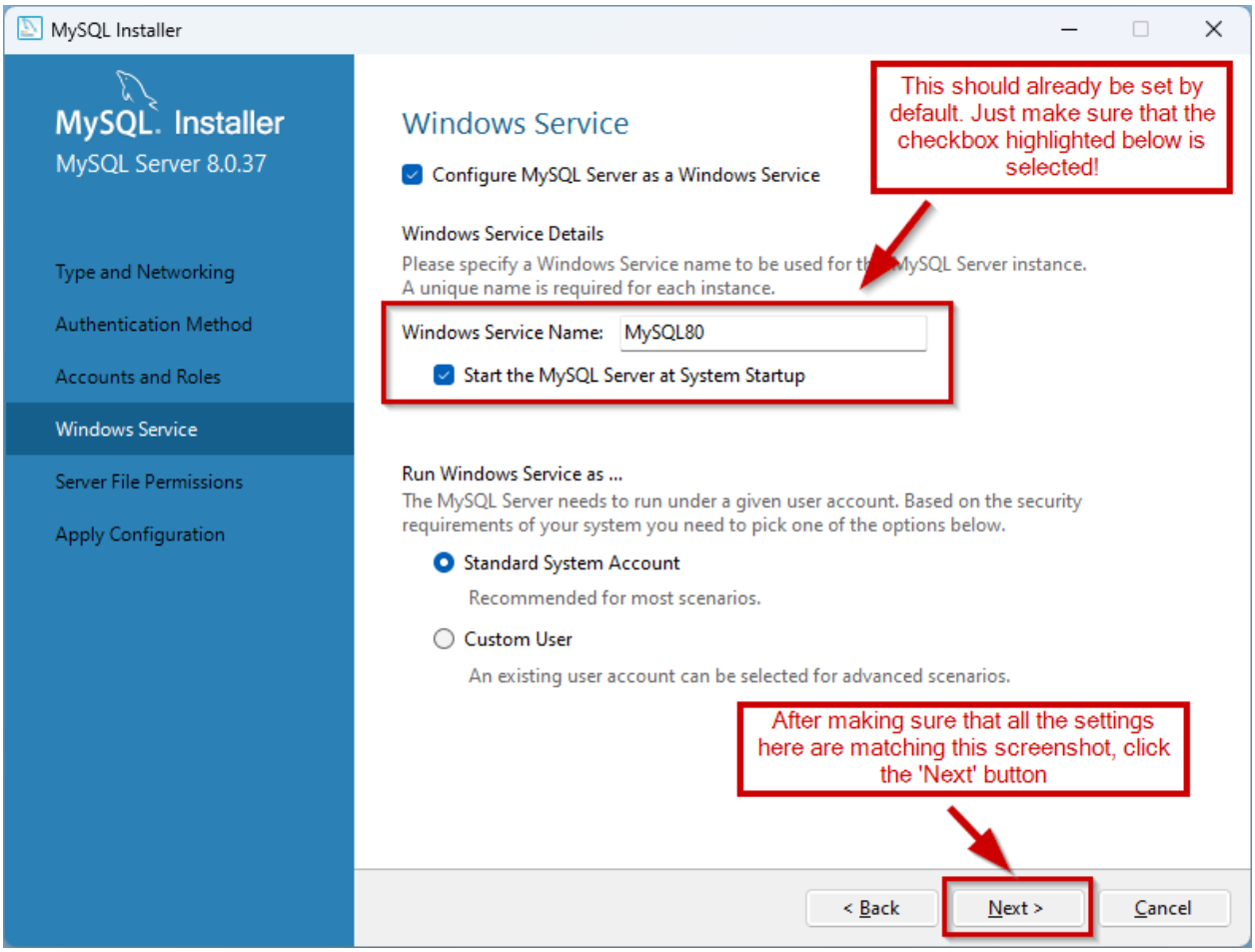
2.8. In the '**Authentication Method**' screen that follows, make sure that the '**Use Strong Password Encryption for Authentication (RECOMMENDED)**' option is selected:



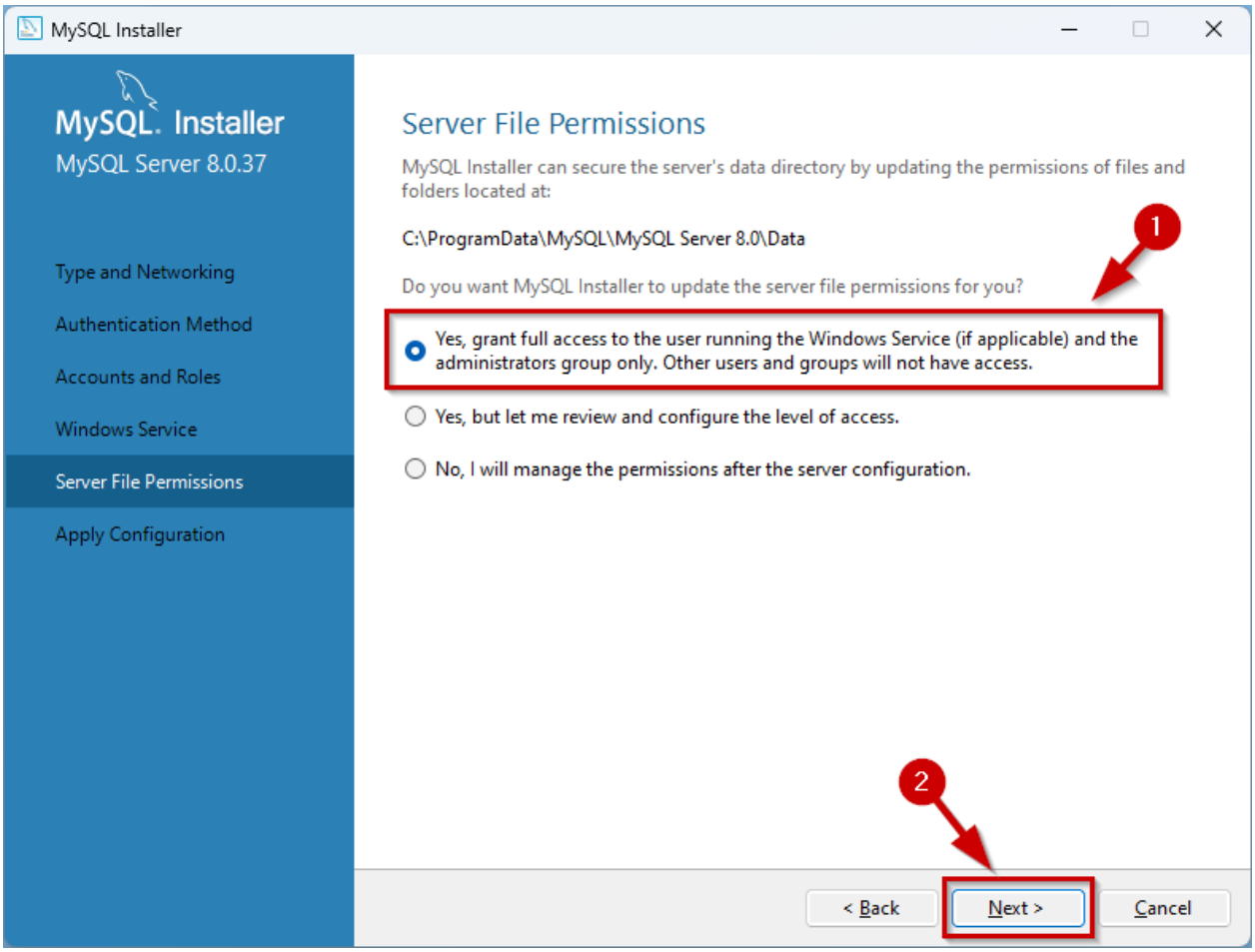
2.9. On the next screen, specify your MySQL **root password**. Make sure it's a strong password, and absolutely make sure to **remember the root password**. You will need to use the root password later in the installer, and, importantly, you will need to know the root password to use MySQL after installing it. Follow the instructions in the screenshot below:



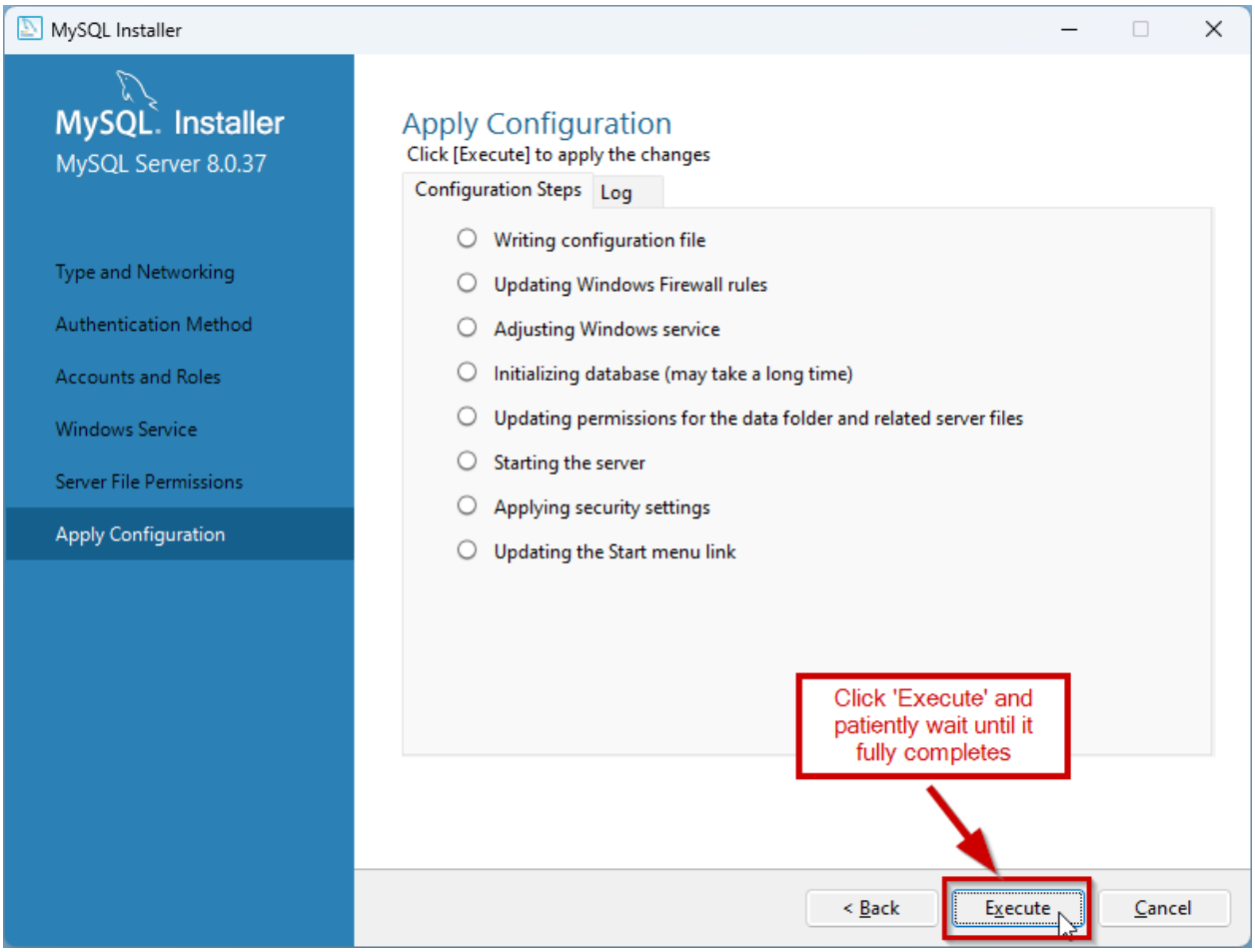
2.10. In the '**Windows Service**' step that follows, everything should already be pre-configured. Just check the screenshot below to make sure everything looks correct, and then click the '**Next**' button:



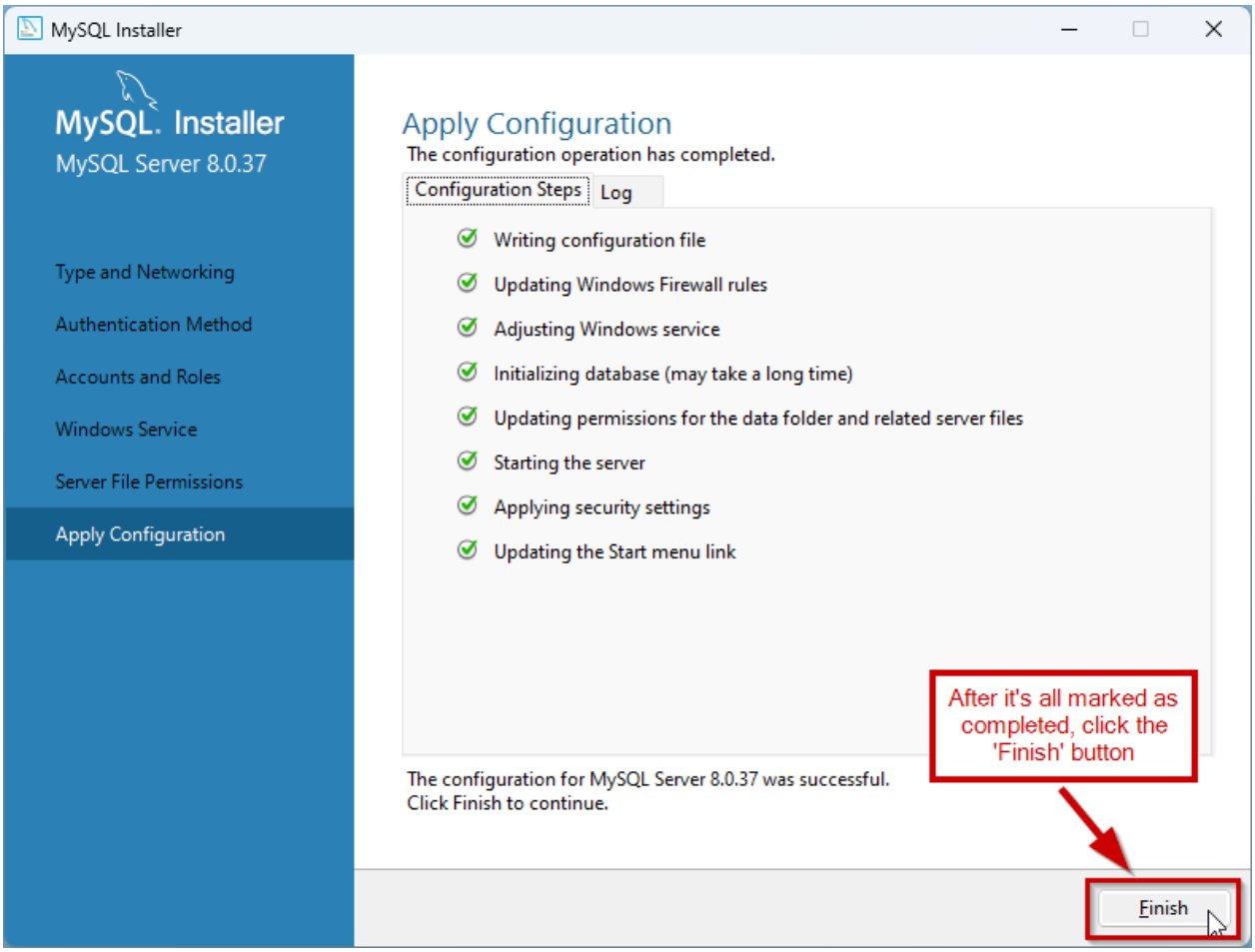
2.11. For the '**Server File Permissions**', choose the option shown in the screenshot below:



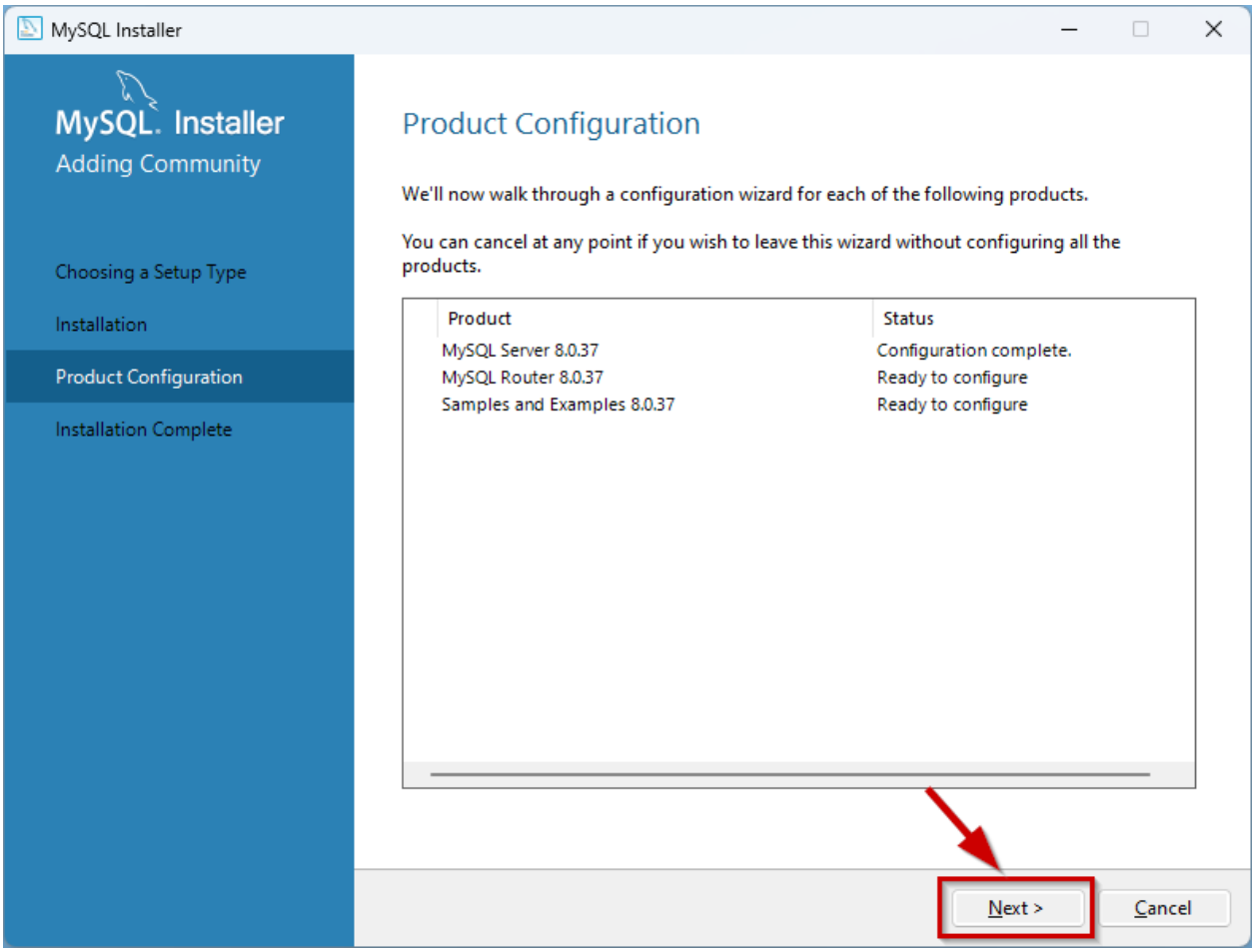
2.12. On the screen that follows, click '**Execute**' and wait until it fully completes:



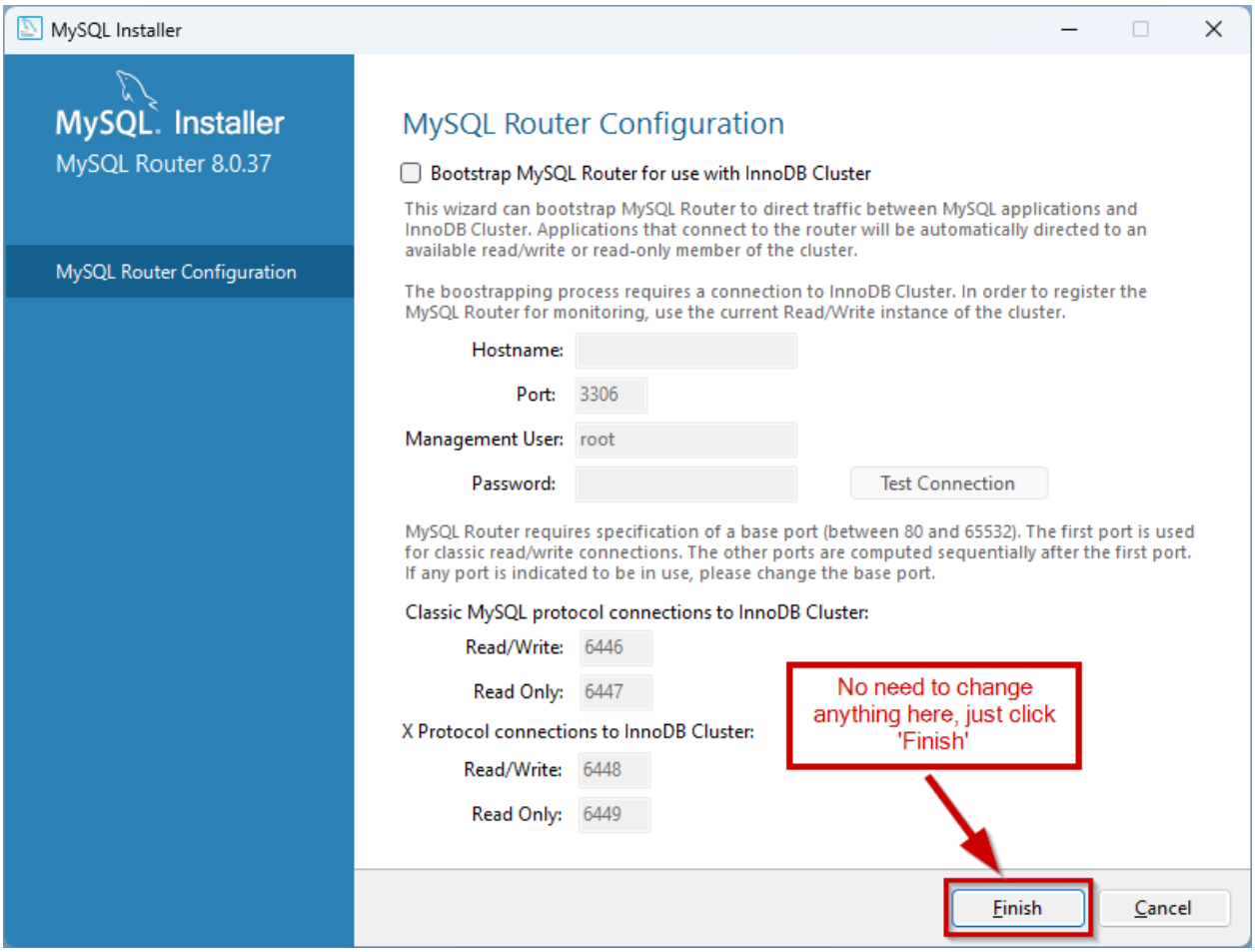
2.13. After it's all marked as completed, click the '**Finish**' button:



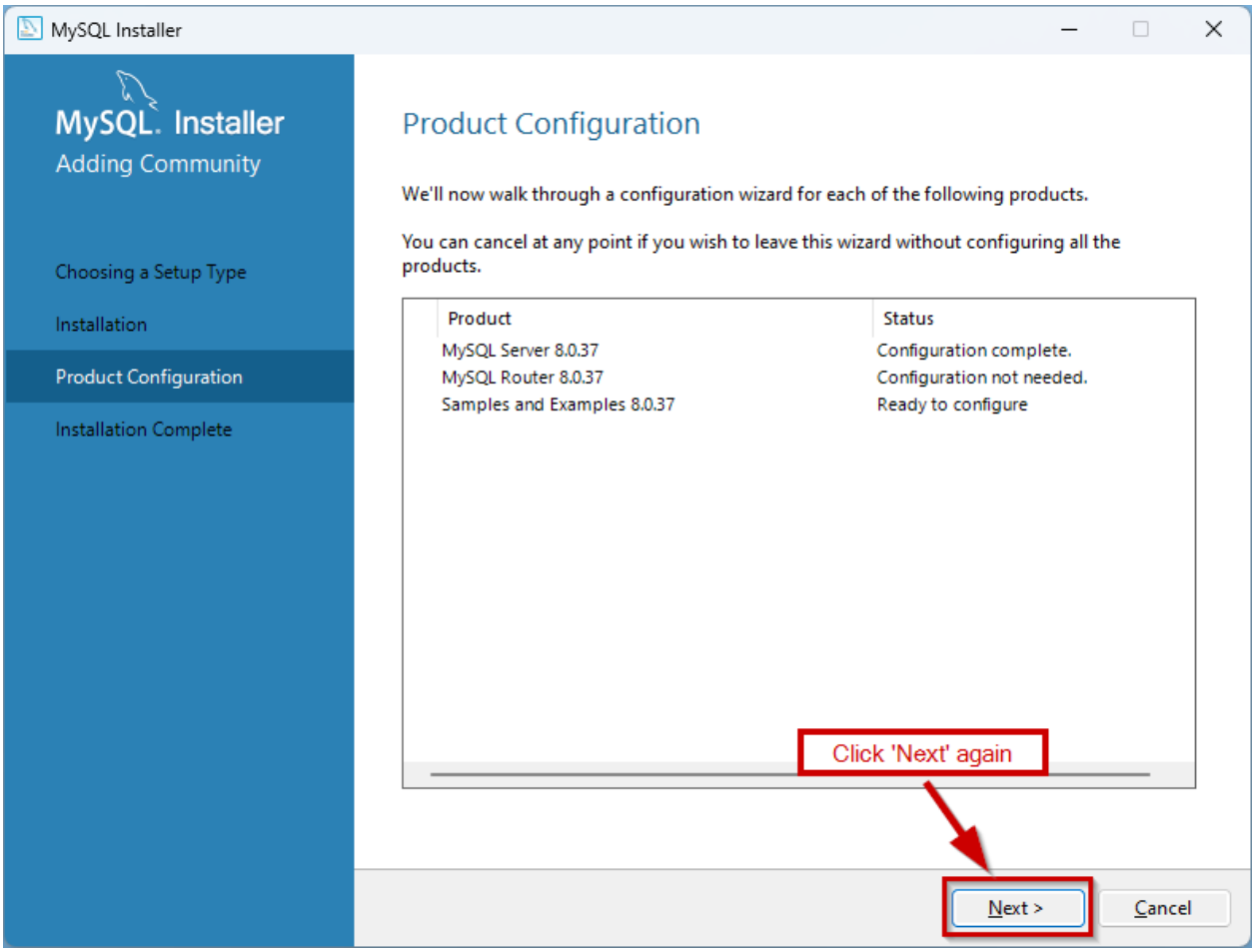
2.14. On the screen that follows, click '**Next**' again:



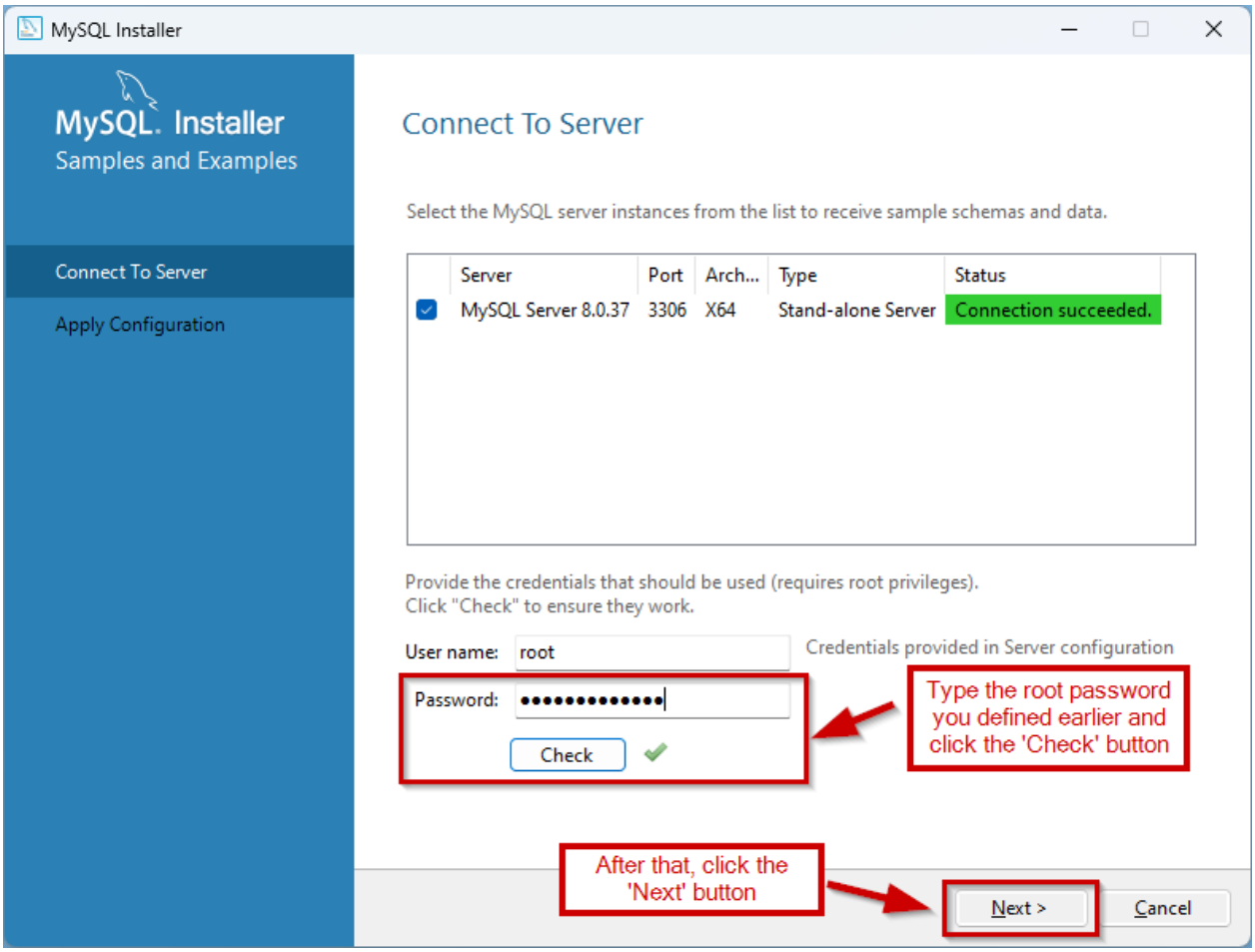
2.15. On the MySQL Router Configuration step, there is no need to change anything, just proceed to click '**Next**':



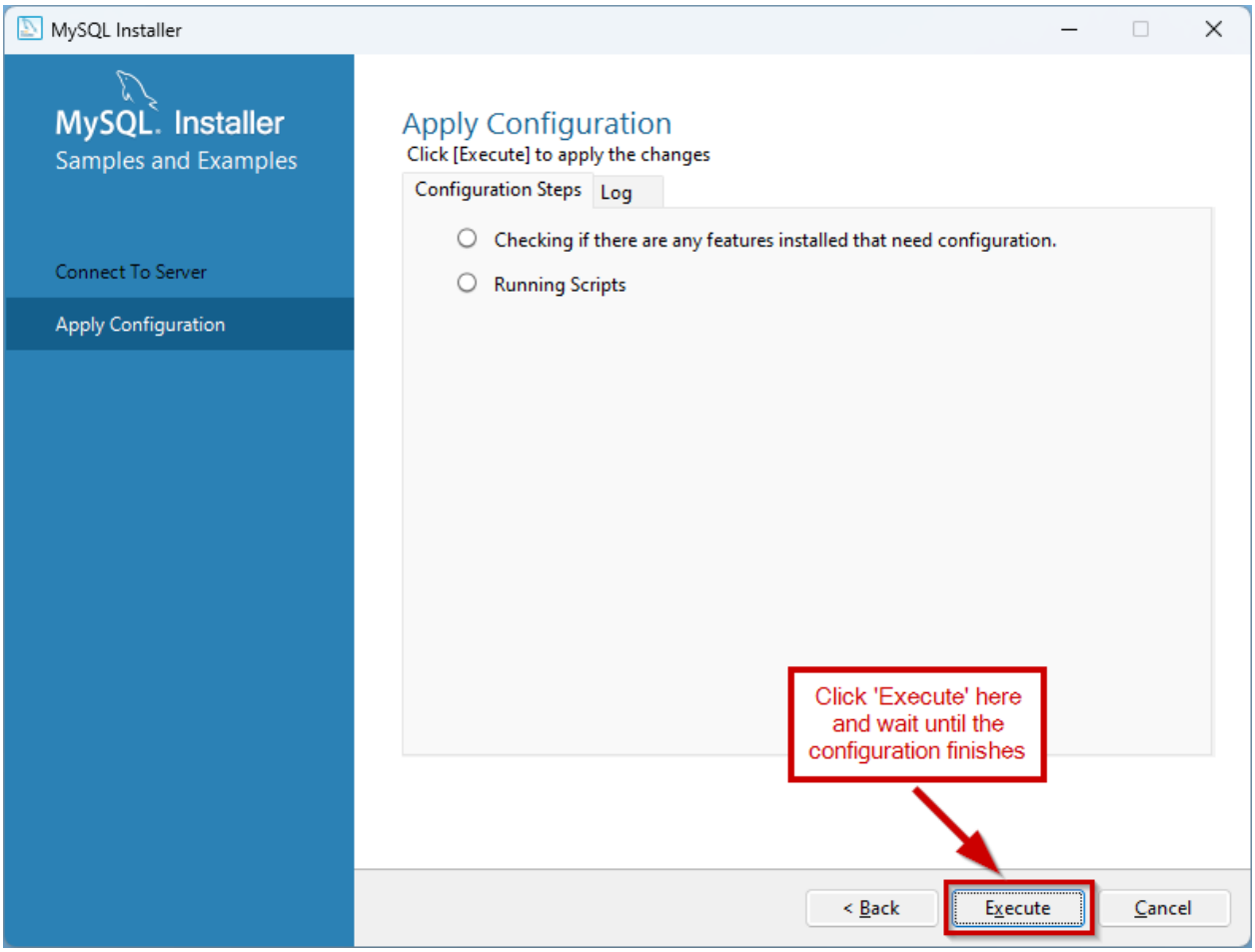
2.16. Click '**Next**' again here:



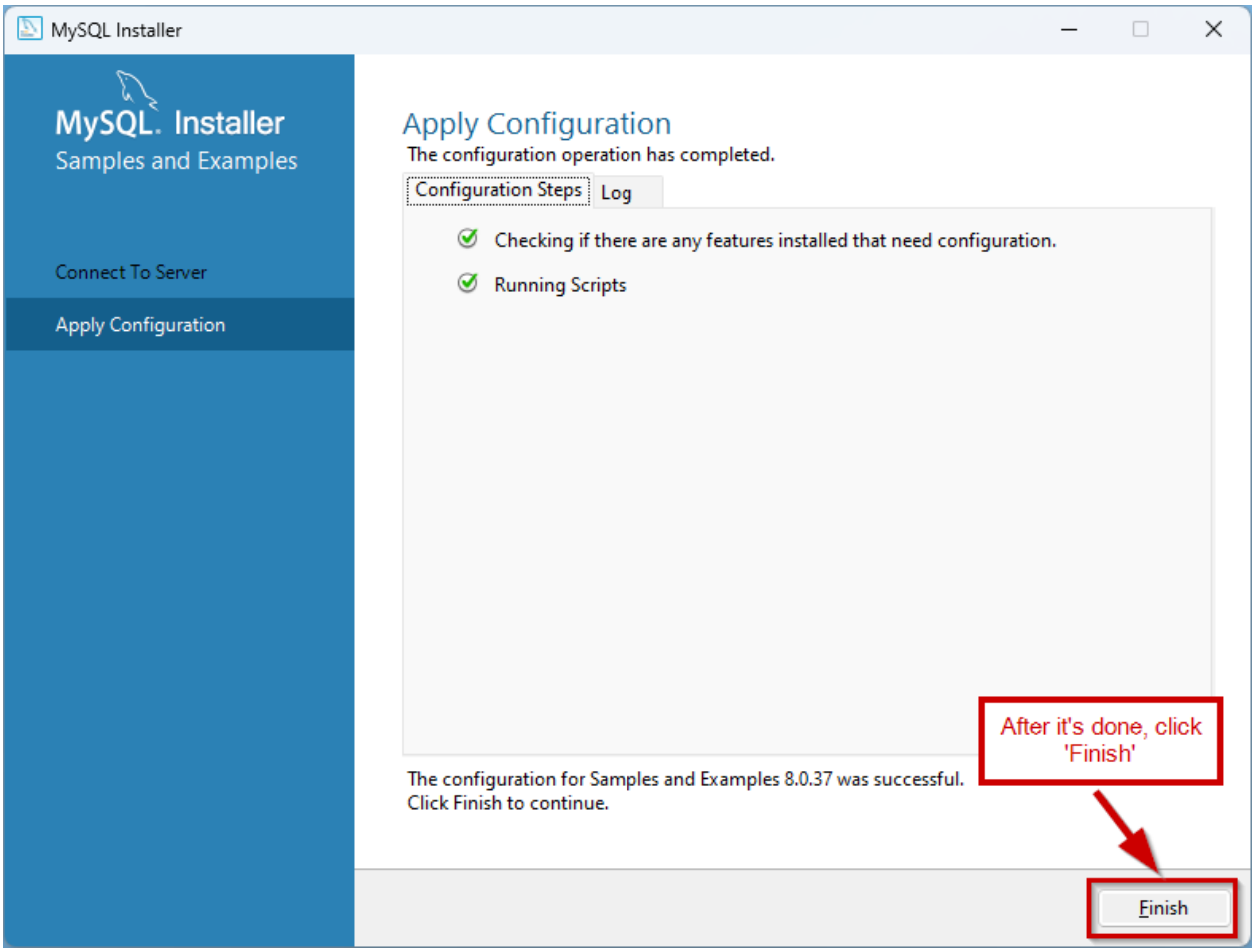
2.17. On the '**Connect to Server**' screen, make sure to specify the **root password** that you created earlier in the MySQL Installer, then click the '**Check**' button. If you provided the correct root password then it will be able to make a connection successfully, and then you can click the '**Next**' button:



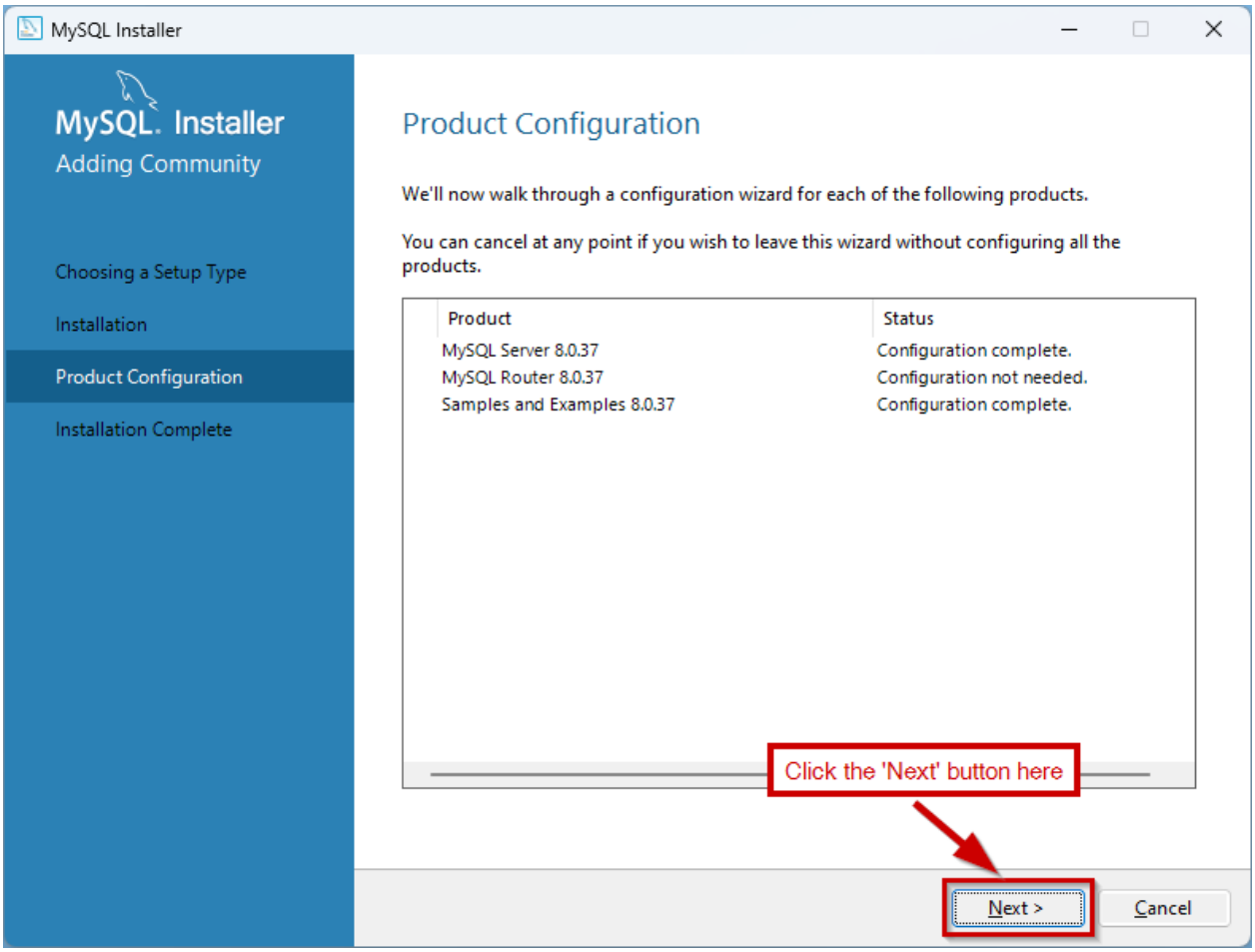
2.18. On the screen that follows, click the '**Execute**' button and wait until the configuration finishes:



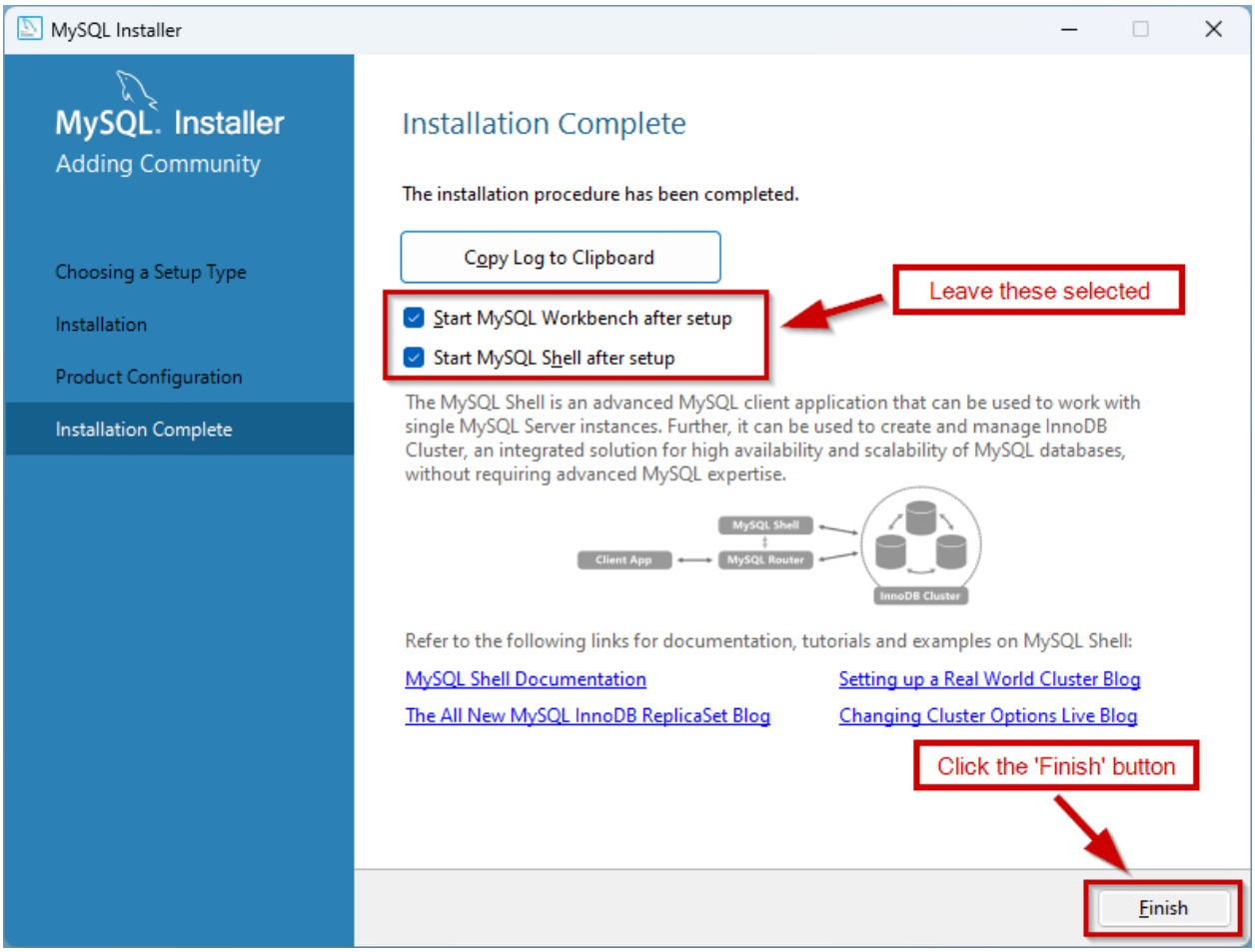
2.19. After it's done, click the '**Finish**' button:



2.20. On the following screen, click the '**Next**' button:

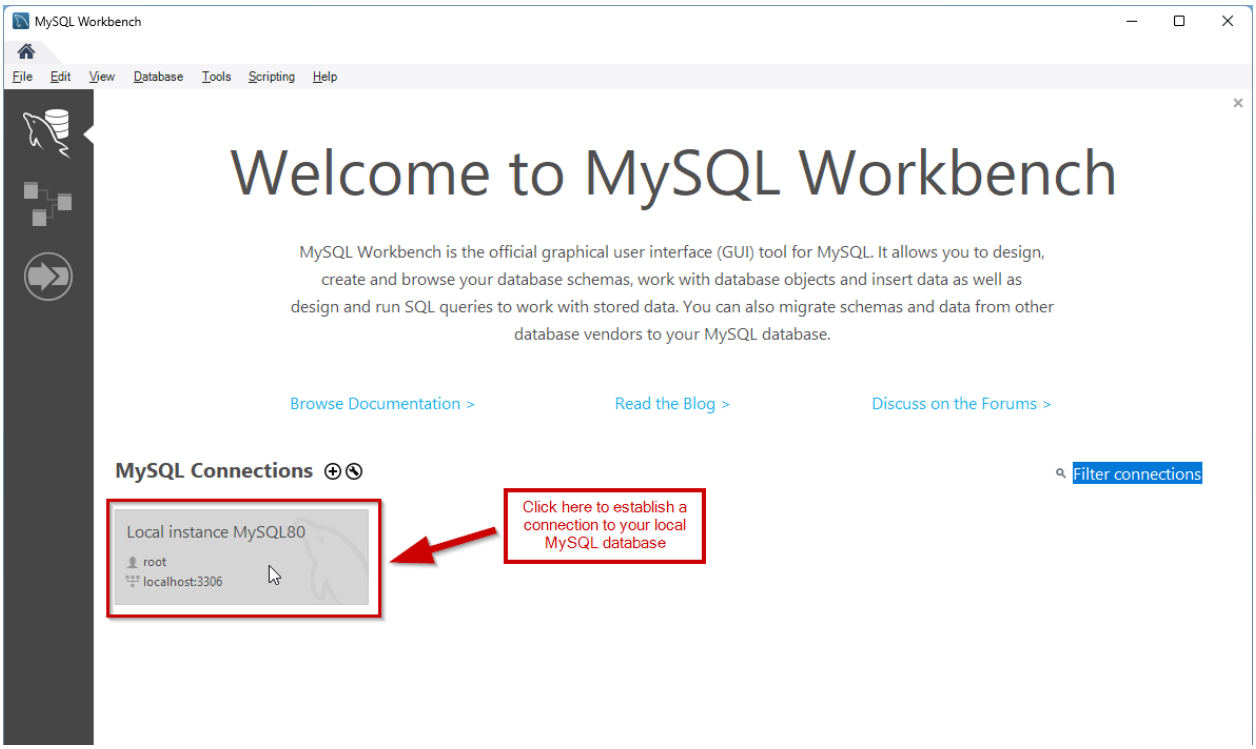


2.21. On the '**Installation Complete**' screen, make sure that the '**Start MySQL Workbench after setup**' and the '**Start MySQL shell after setup**' options are checked/selected, and click the '**Finish**' button:

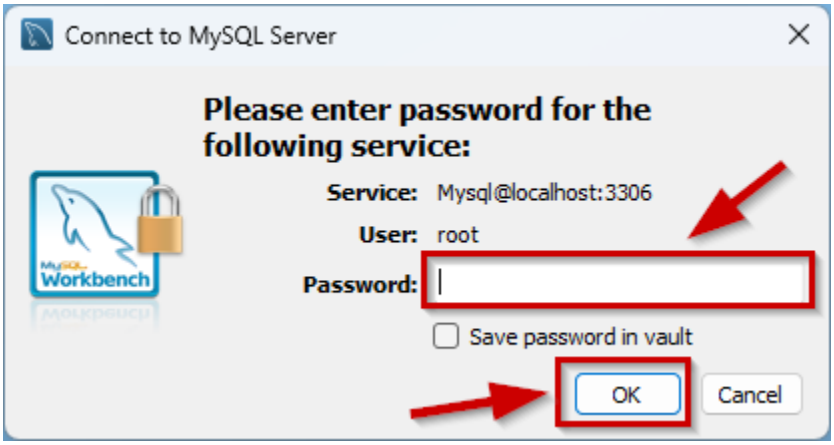


Step 3: Starting MySQL Workbench

3.1. When **MySQL Workbench** opens, click the local instance option as shown in the screenshot below:



3.2. You will get a connection prompt where you need to write your **root password** that you specified during the initial MySQL installation process. After writing your root password, click the '**OK**' button.



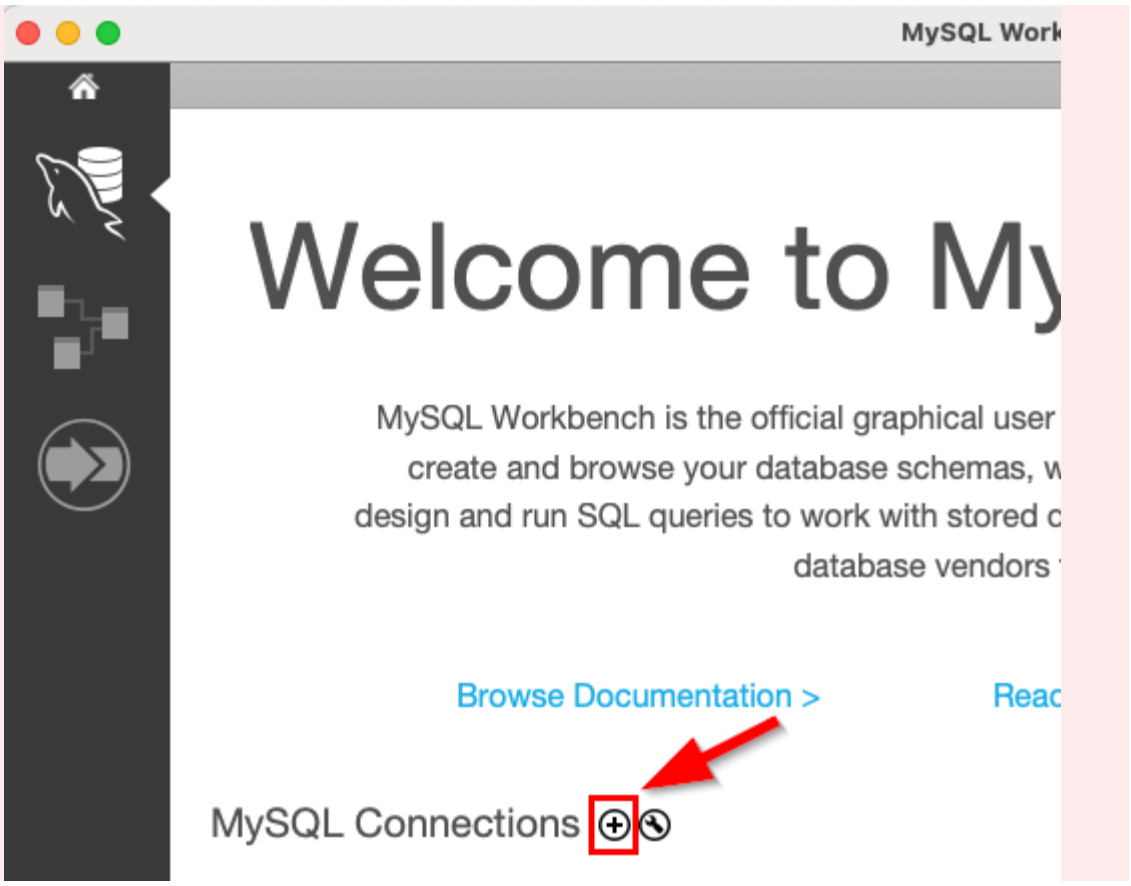
3.3. If the provided root password is correct, MySQL Workbench should then establish a connection to your local MySQL database server instance successfully! From here, you can continue following the course.

> **Note: You can ignore the steps related to installing MySQL from the installation video in the course, because you already installed MySQL by following the instructions here. However, follow the rest of that video since there is some more content and explanations after the installation process.**

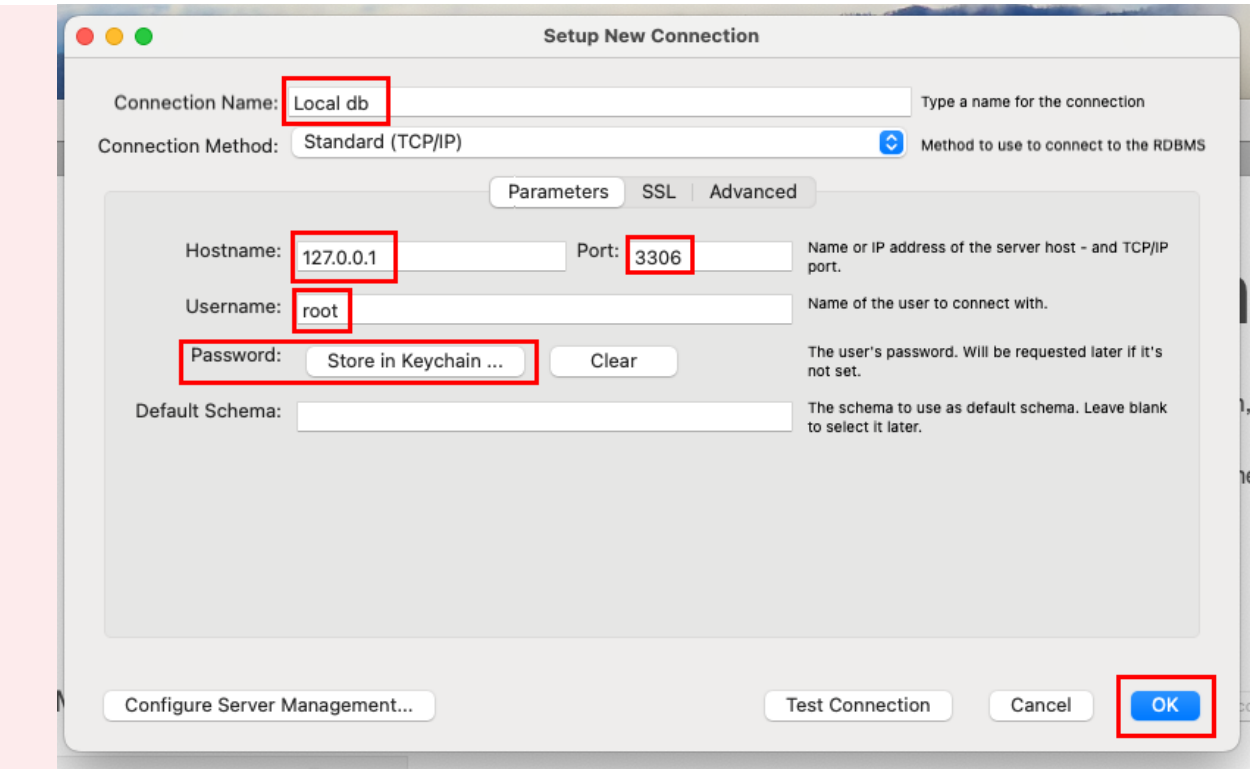
Thank you for following these updated instructions to install MySQL on your Windows operating system! If you get any questions or issues while following these instructions, please create a new question post on the course Q&A boards and we will do our best to help out!

Additional note (SKIP THIS IF EVERYTHING ABOVE WAS SUCCESSFUL): If the 'Local instance' option doesn't appear when you first open MySQL Workbench, follow the instructions below. But if you already successfully followed the steps above and connected via MySQL Workbench, there is no need to follow the instructions below!

- Adding a new connection from MySQL Workbench can be done by clicking the small plus icon from the MySQL Workbench start screen, as shown in the screenshot below:



- On the screen that shows up after, make sure that you fill out the new connection details as shown in the screenshot below:



If this is done correctly, you should see the local db connection start to show up in MySQL Workbench's start screen.