Department of Electrical Engineering, UET Lahore
EE432: Computer Networks

Course Instructor: Dr. Naveed Nawaz	Dated: 06/11/2024
Semester: 7th	Session: Fall 2024

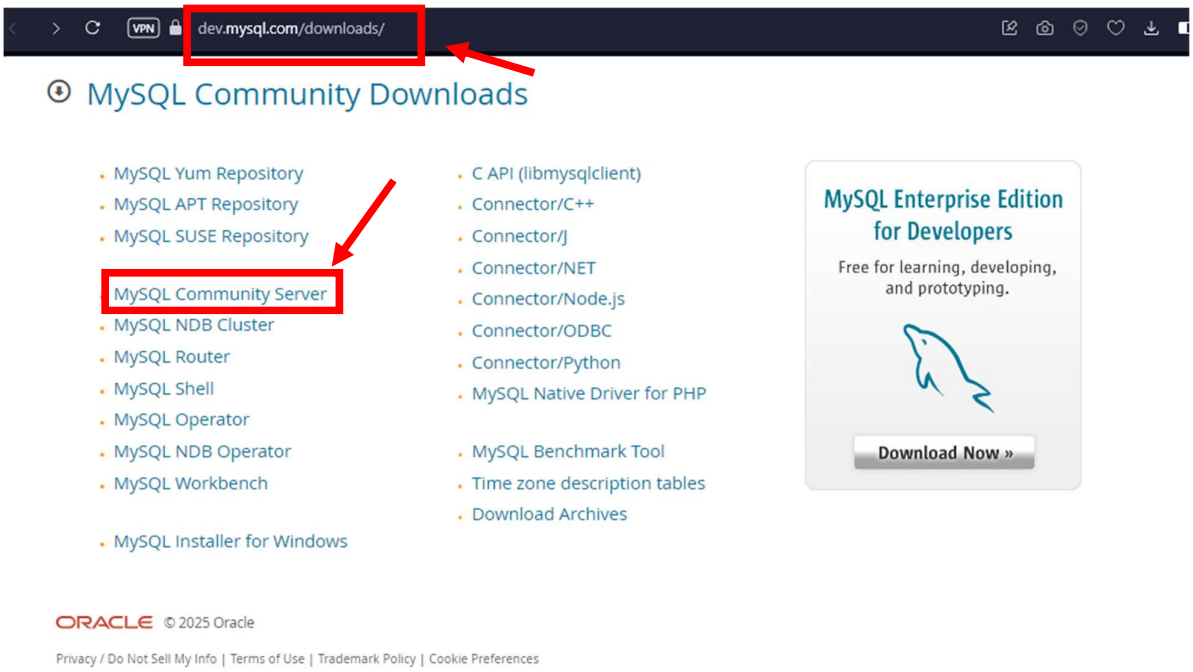
LAB 8 MySQL: Relational Database Management System

Name	Roll. No.	Total Marks	Obtained Marks	Viva Marks

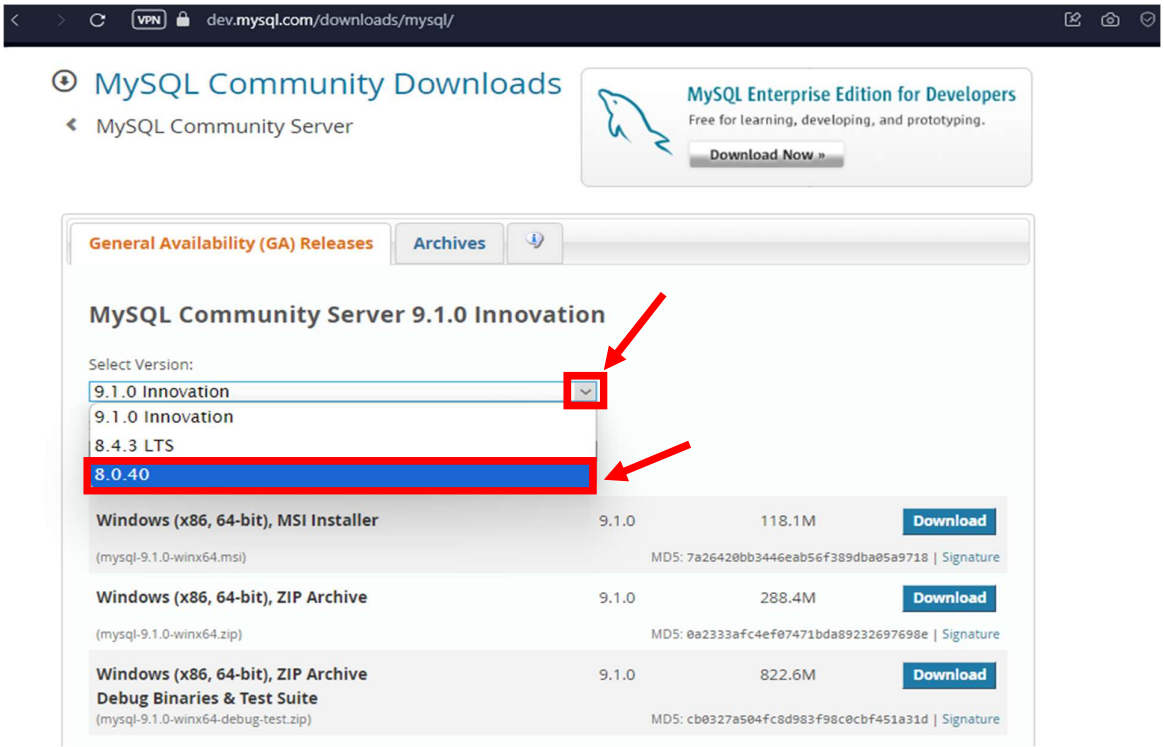
Checked on: _____

Signature: _____

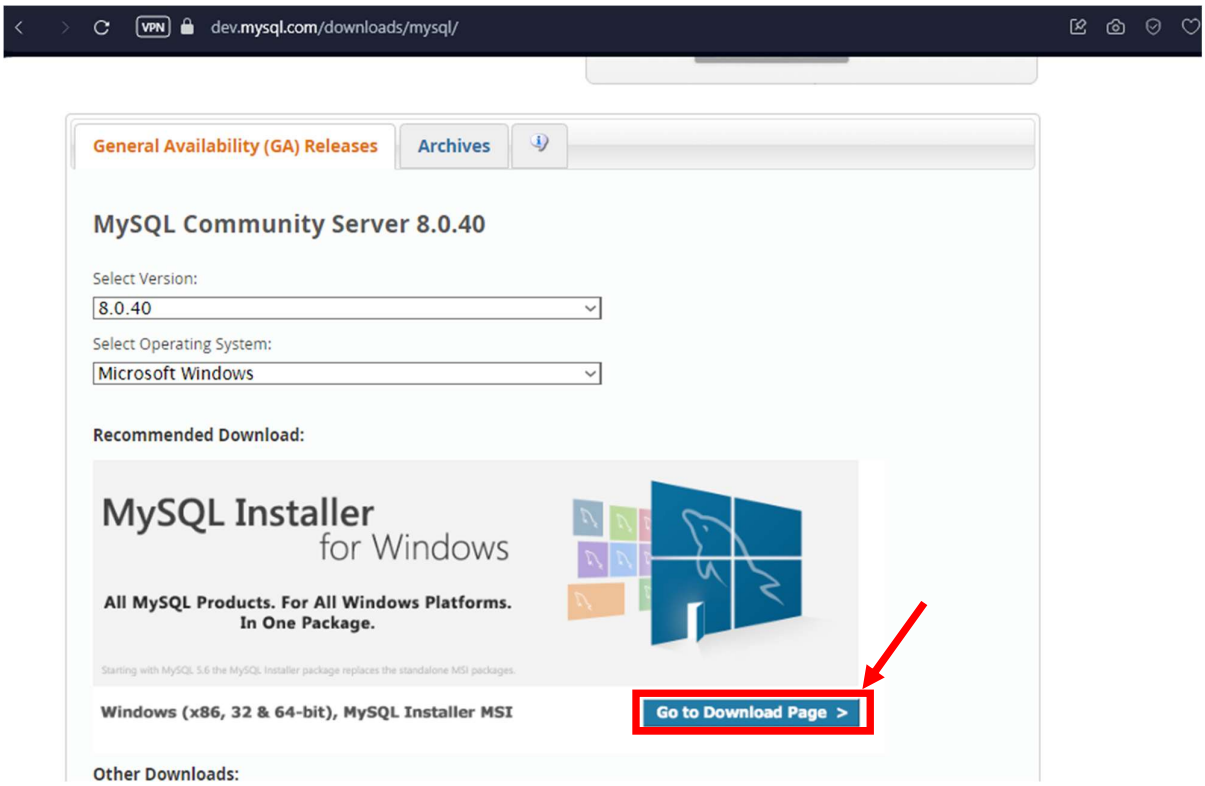
1. In order to download MySQL installer, go to dev.mysql.com/downloads and click on MySQL Community Server.



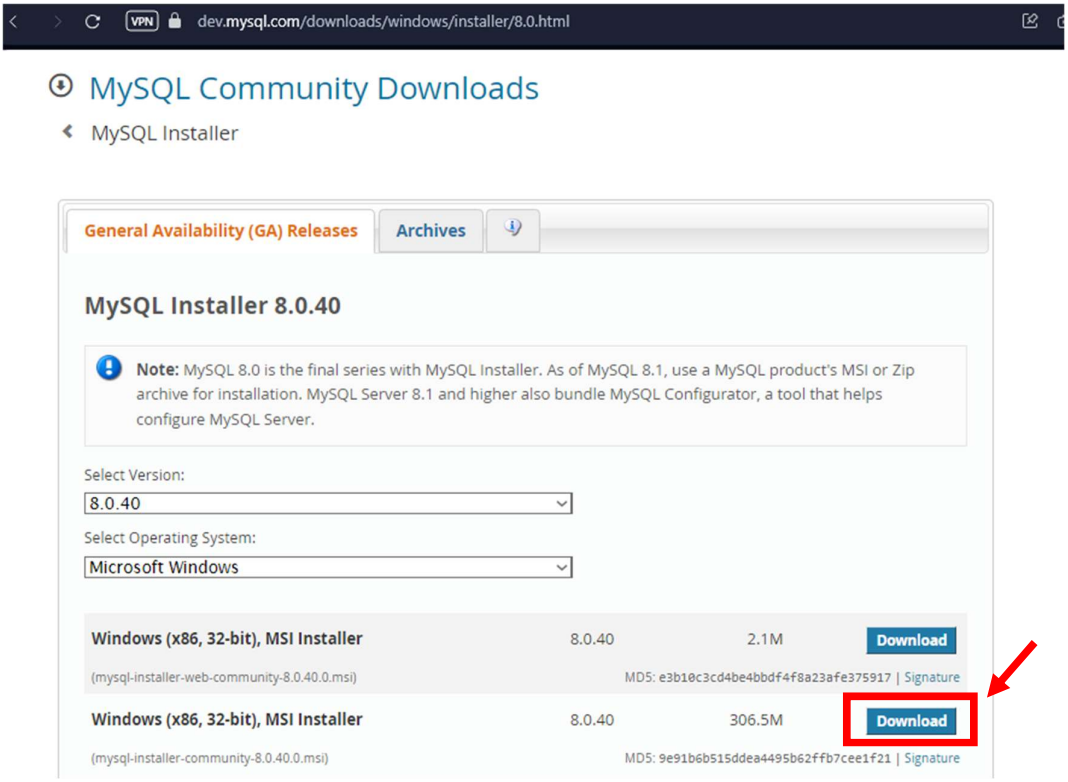
2. Scroll the newly opened page down and in Select Version dropdown menu choose 8.0.40 as shown in the screenshot below:



3. Scroll the newly opened page down and click on **Go to Download Page** written in front of the MSI package as shown in the screenshot below:

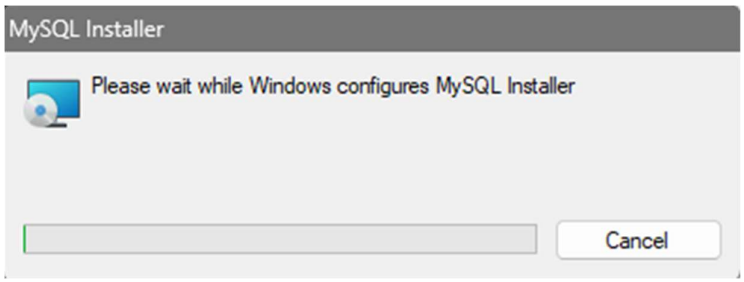


4. You will be directed to a new page on which download the **mysql-installer-community** file.

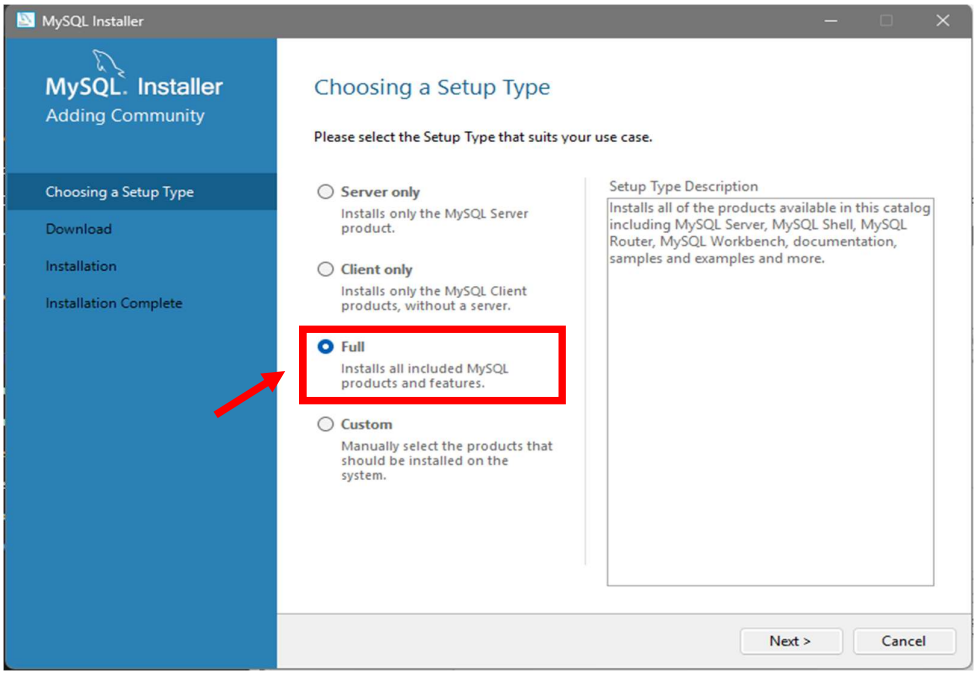


5. Click on **No thanks, just start my download.** to download the MSI file and allow it to execute.

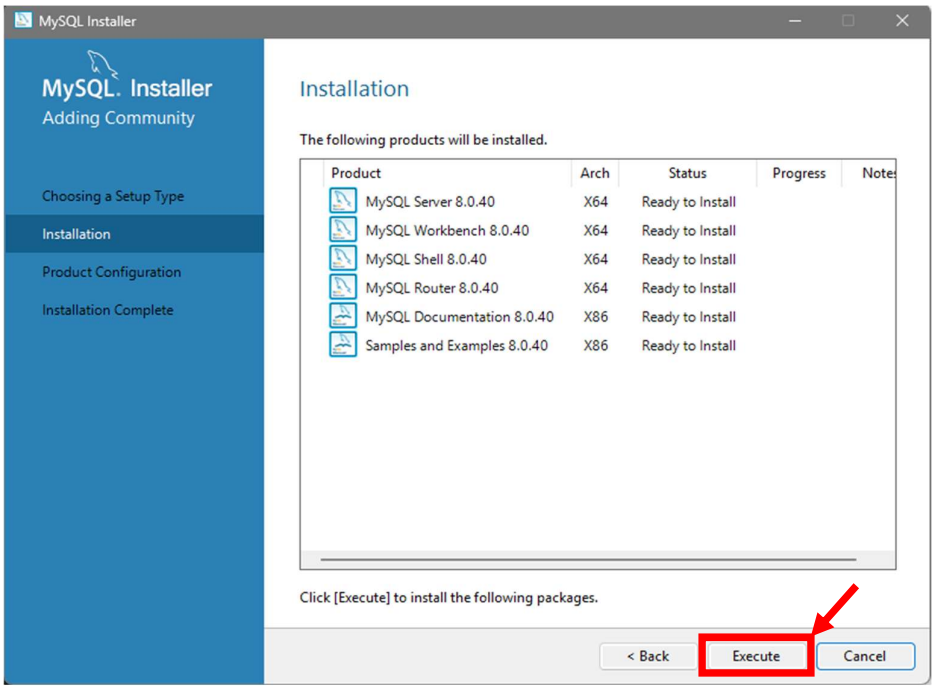
6. Double click on the downloaded MSI file and allow it to execute.



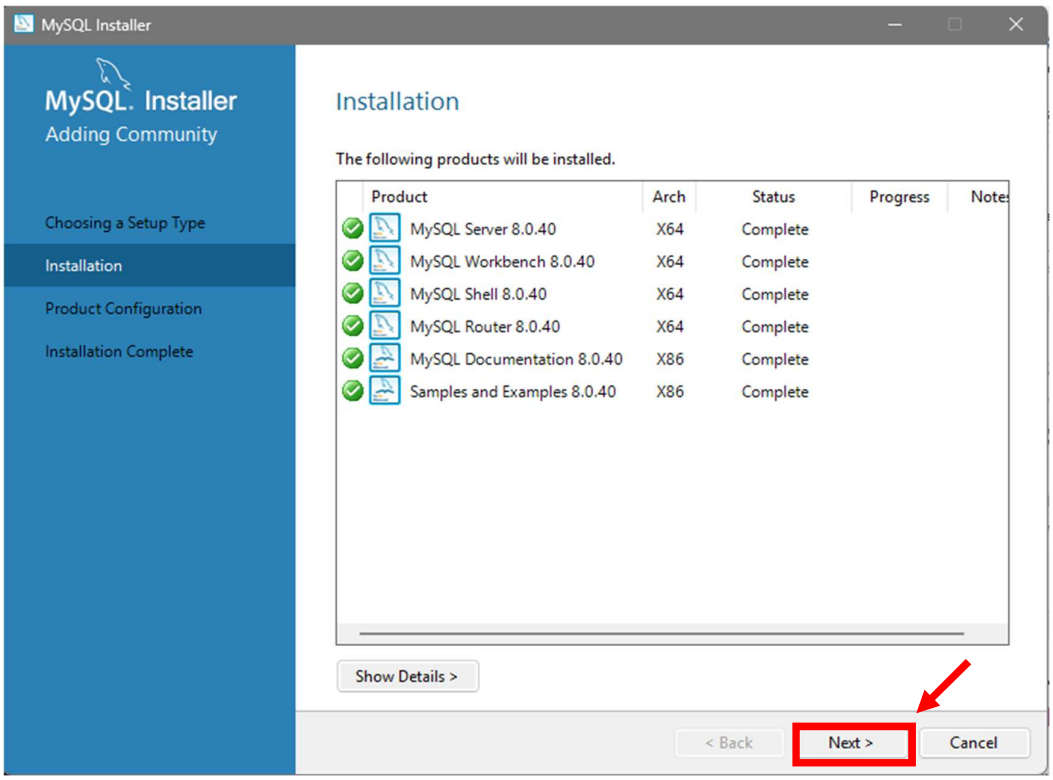
7. After the initial configuration of the installer, you will see the following screen. To install MySQL server and other MySQL tools related to MySQL development, choose Full. Otherwise, choose the Custom setup type to manually select your desired MySQL products i.e., server and workbench. Click next. You can see what it will install in the Setup Type Description. Then click next.



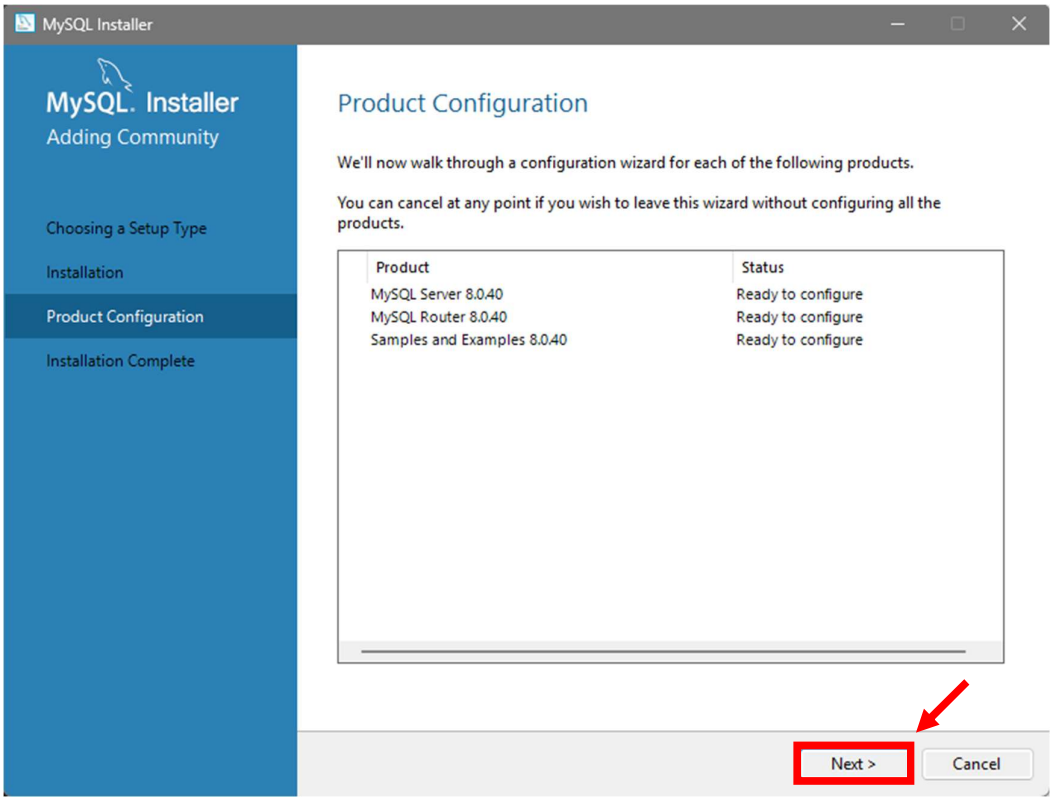
8. The following screen will appear. Press execute and the installer will start downloading all the products that are ready to be downloaded.



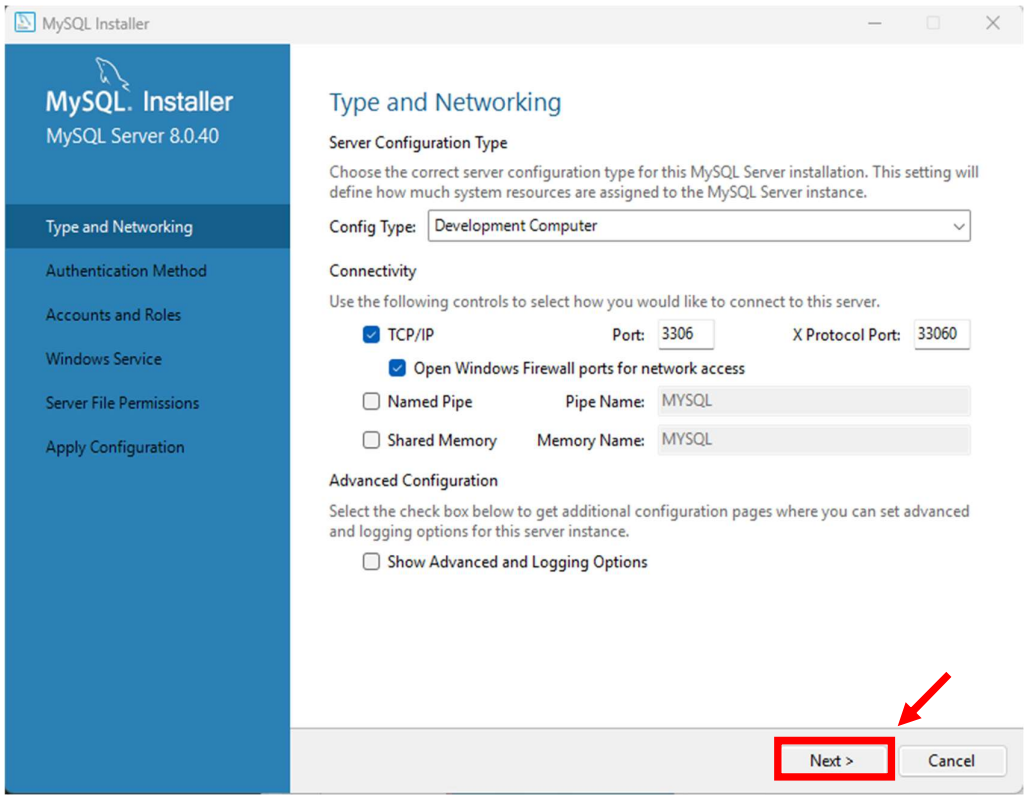
9. After the installation is complete, click **Next**.



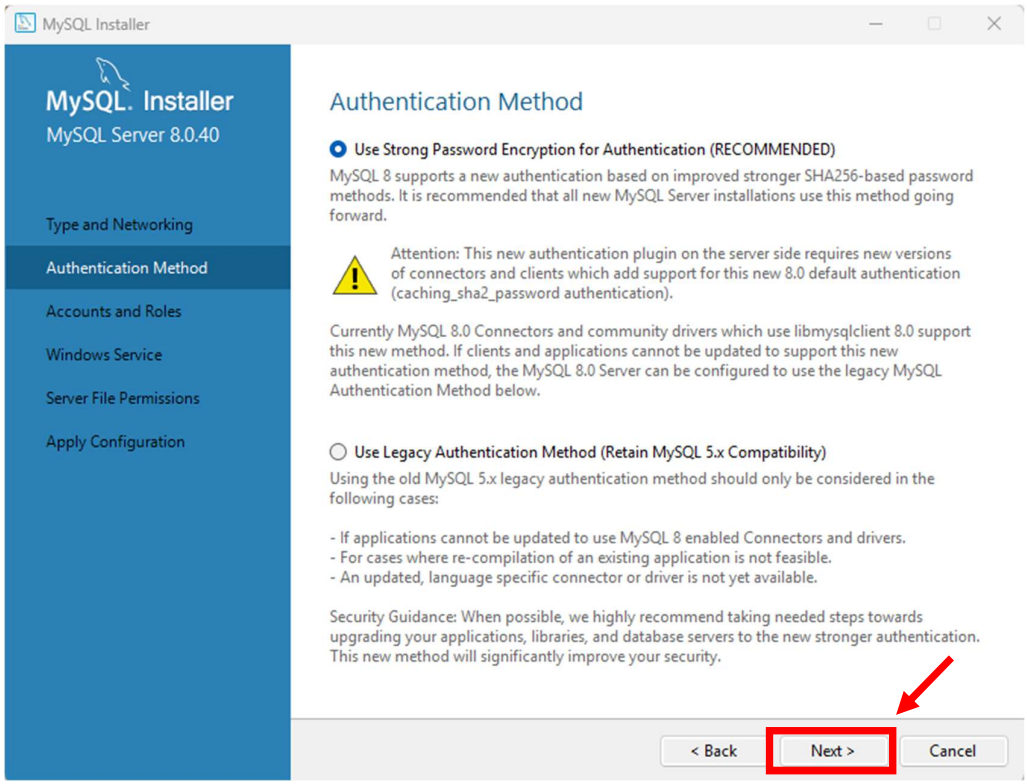
10. Click Next to configure the products installed.



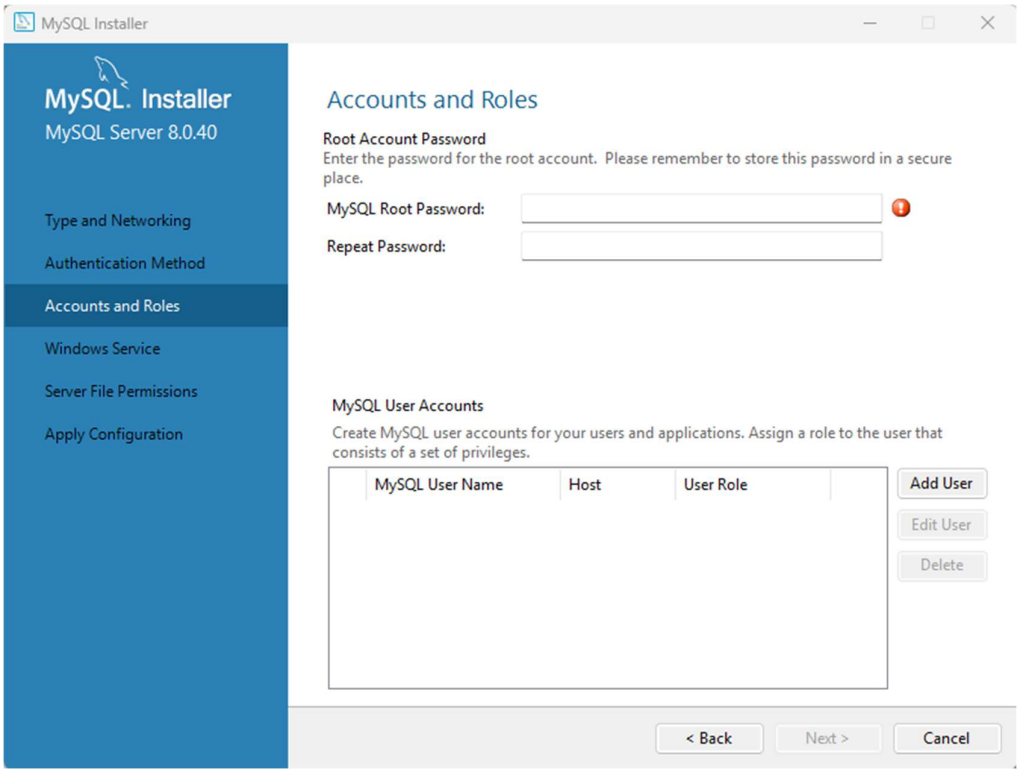
11. Keep the default settings and click **Next**.



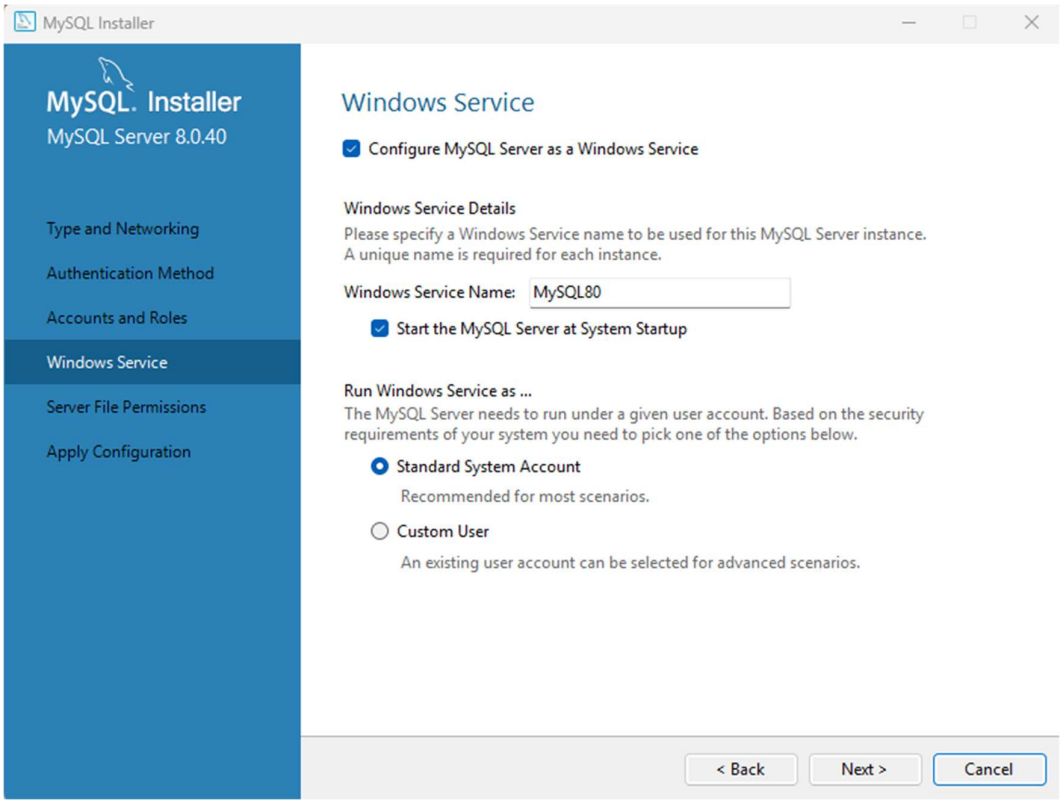
12. Keep the default authentication method and click **Next**.



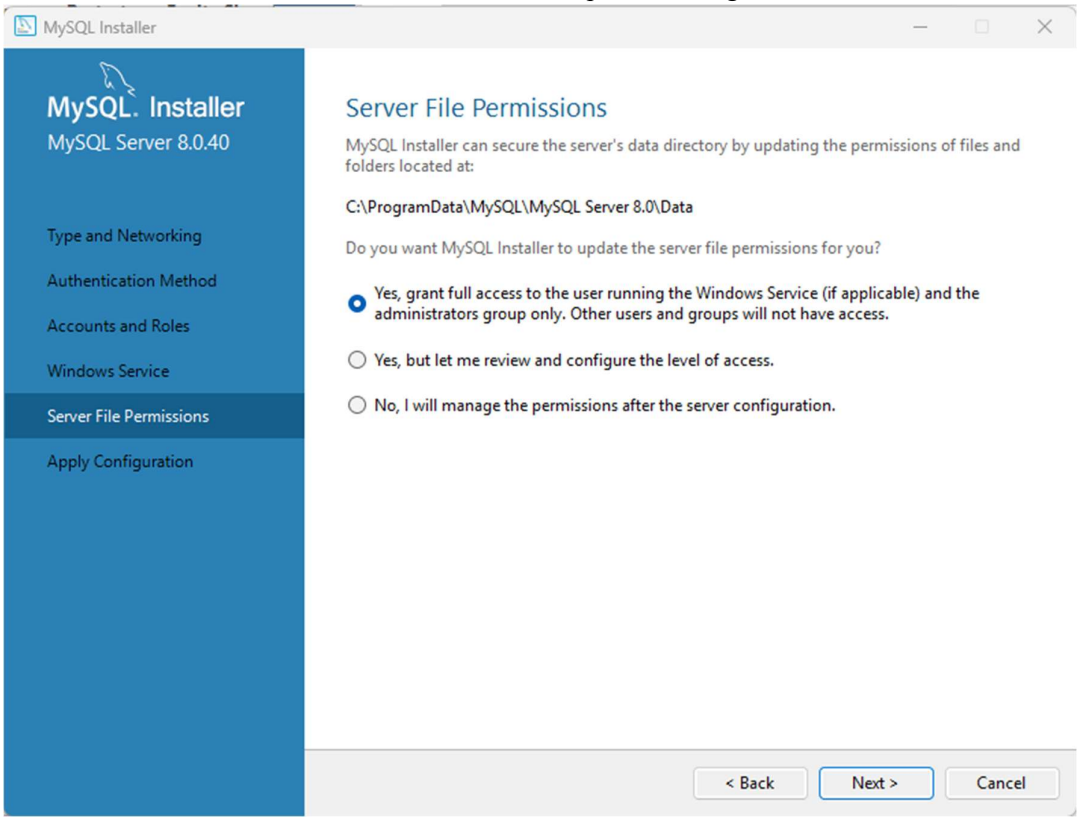
13. Choose a password for the root account that would be required to connect to the server, and click next.



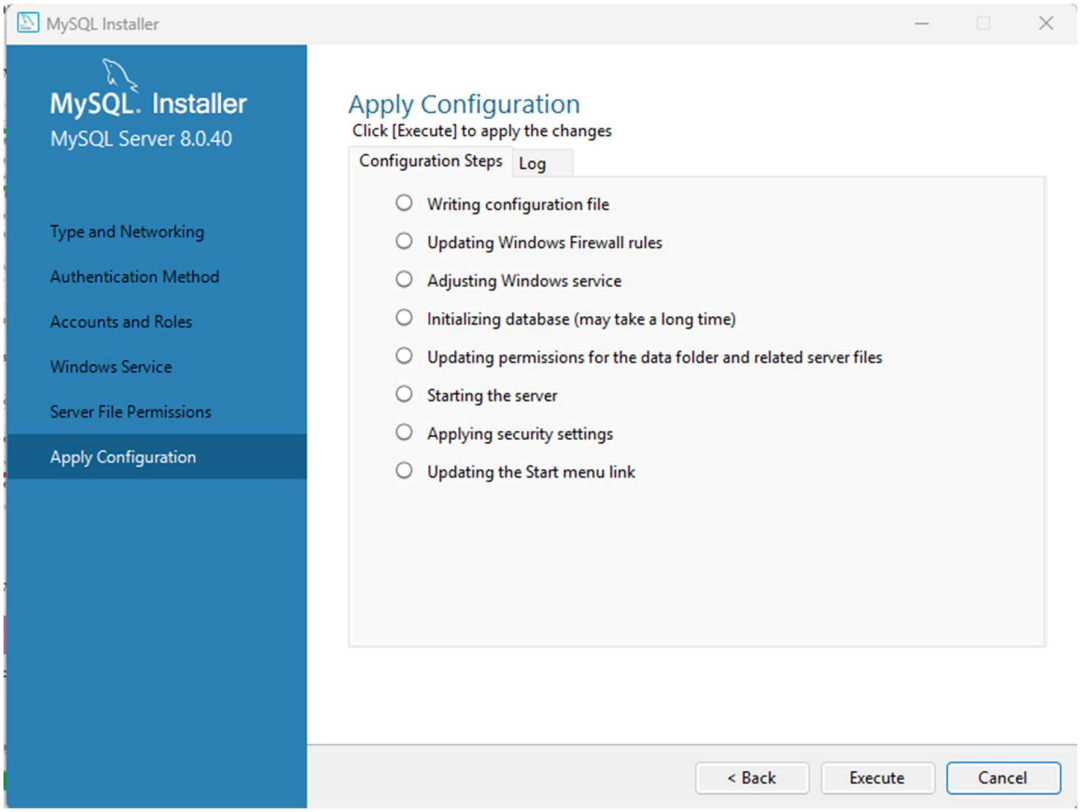
14. Keep the settings as they are and click next.



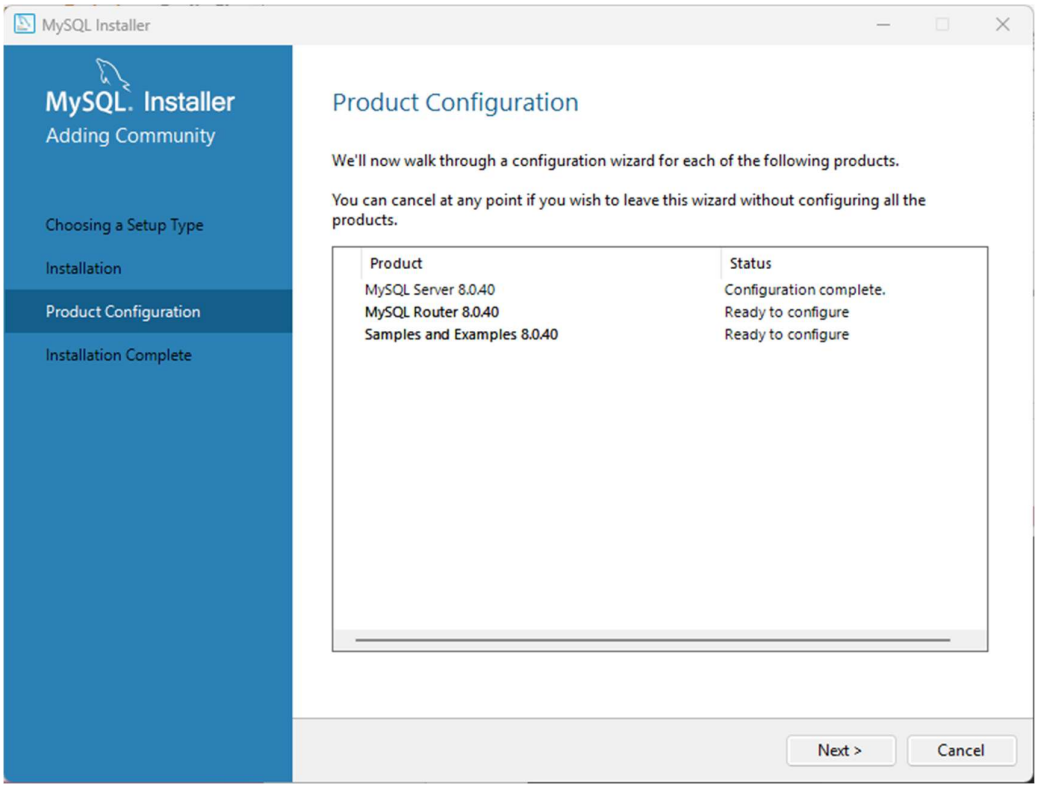
15. Set Server File Permissions as wanted. Or can keep Default to grant full access.



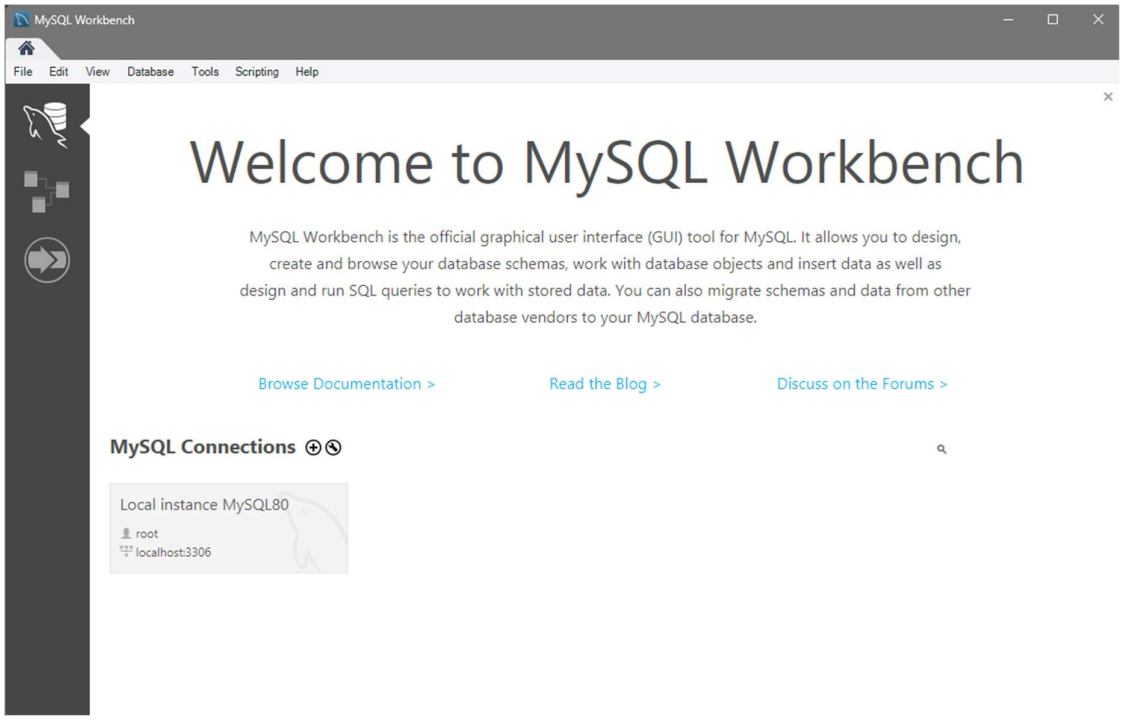
16. Click **Execute**, so that the installer can start the server configuration. When done, press finish.



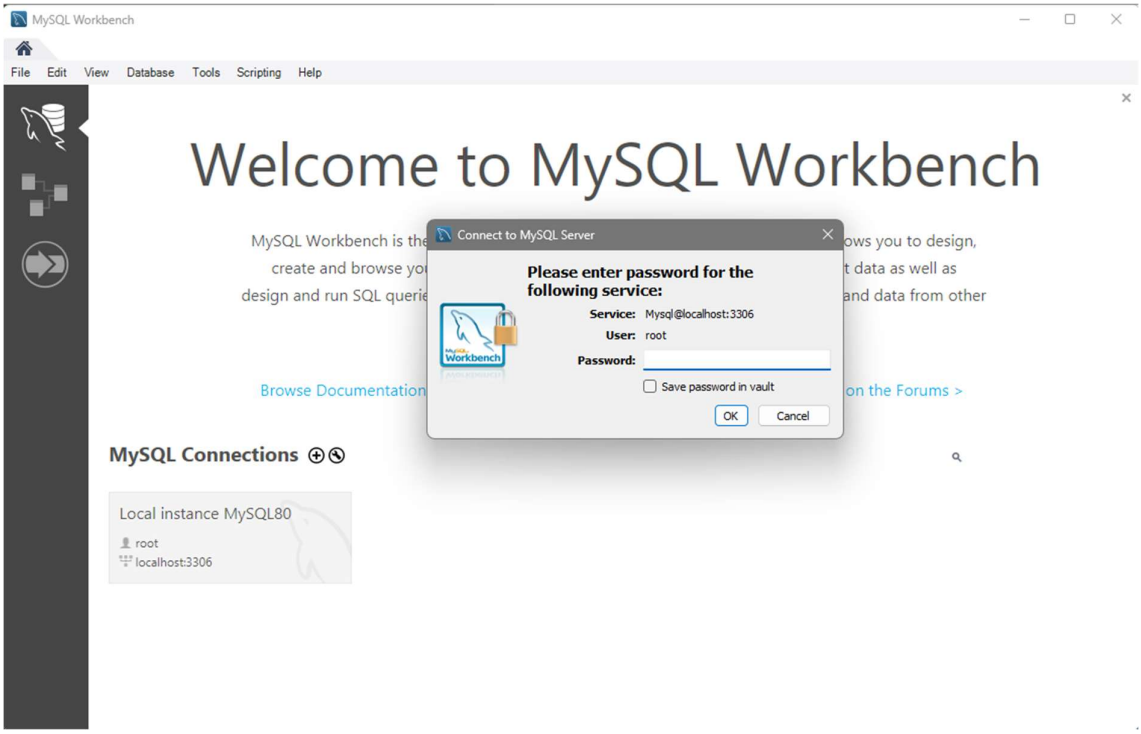
17. Now, the MySQL Server has been configure. You can either configure other products as well by clicking Next. Or click **Cancel**, as we do not require the other Products right now.



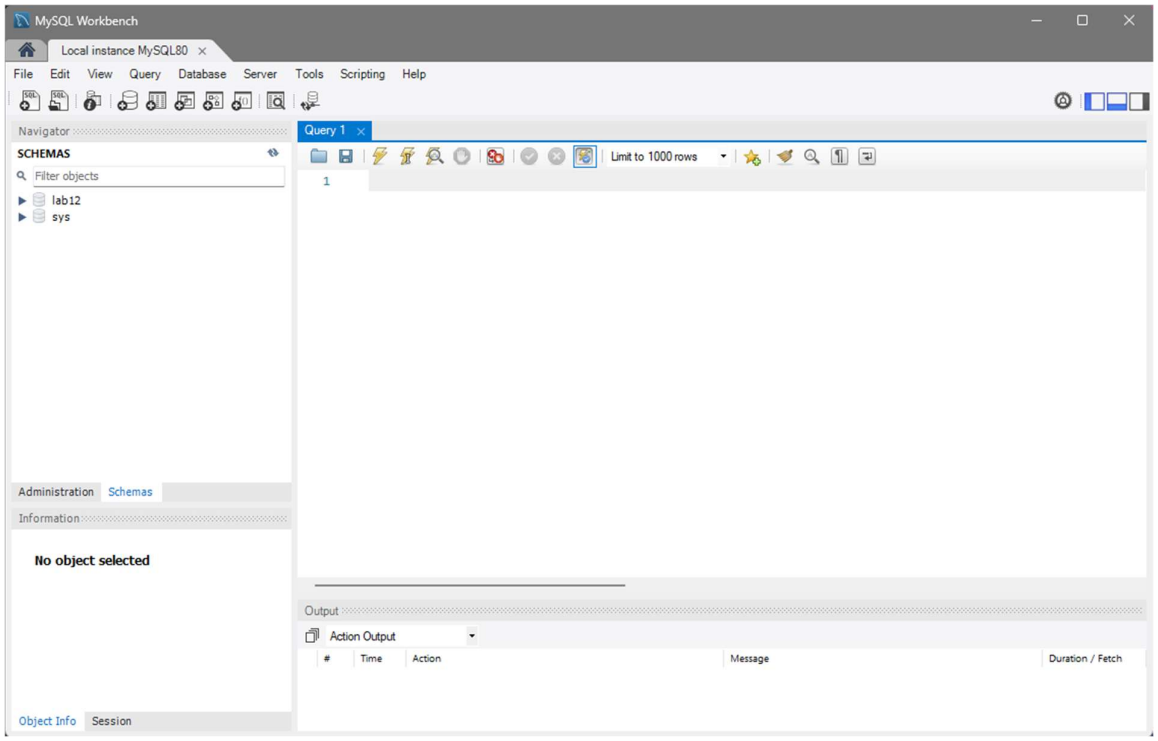
18. Once installation and configuration processes are done, click finish and launch the **MySQL workbench.** The following screen will appear. Double click on the local instance.



19. Connect to the local instance and enter the root password that you set during the installation process.



20. Finally, you are connected to the server. Now, you can draw ER diagrams, create tables, and write and execute queries using the workbench.



Assessment Rubrics for

EE432: Computer Networks Lab 8

Student Name: _____ Roll Number: _____

Method:

Lab report evaluation and instructor observation during lab sessions.

Outcomes Assessed:

a. Ability to condut experiments as well as to analyze and interpret data
b. Ability to adhere to safety and disciplinary rules
c. Ability to use the techniques, skills and modern engineering tools necessary for engineering practice

Performance	Exceeds expectation (5-4)	Meets expectation (3-2)	Does not meet expectation (1)	Marks
Realization of experiment (a)	Downloads and installs required software and sets up the system according to the experiment requirements	Needs guidance to set up the system according to the experiment requirements	Incapable of selecting relevant software to the experiment and unable to setup the system with required software tools	
Conducting experiment (a, c)	Carries out each procedural step in a satisfactory manner and studies outputs of the software application rigorously	Needs assistance or guidance to proceed through experiment steps, studies outputs with minor errors in interpretation	Unable to carry out procedural steps and make any useful observations of outputs	
Laboratory safety and disciplinary rules (b)	Observes lab safety rules; adheres to the lab disciplinary guidelines aptly	Observes safety rules and disciplinary guidelines with minor deviations	Disregards lab safety and disciplinary rules	
Data collection (c)	Completes data collection from the experiment setup by following procedural steps, ensures that the data is entered in the lab manual according to the specified instructions	Completes data collection with minor error and enters data in lab manual with slight deviation from guidelines	Fails at collecting data by giving proper inputs and observing output states of experiment setup, unable to fill the lab manual properly	
Data analysis (a, c)	Analyzes the data obtained from experiment thoroughly and accurately verifies it with theoretical understanding, accounts for any discrepancy in data from theory with sound explanation	Analyzes data with minor error and correlates it with theoretical values reasonably. Attempts to account for any discrepancy in data from theory	Unable to establish the relationship between practical and theoretical values and lacks the theoretical understanding to explain any discrepancy in data	