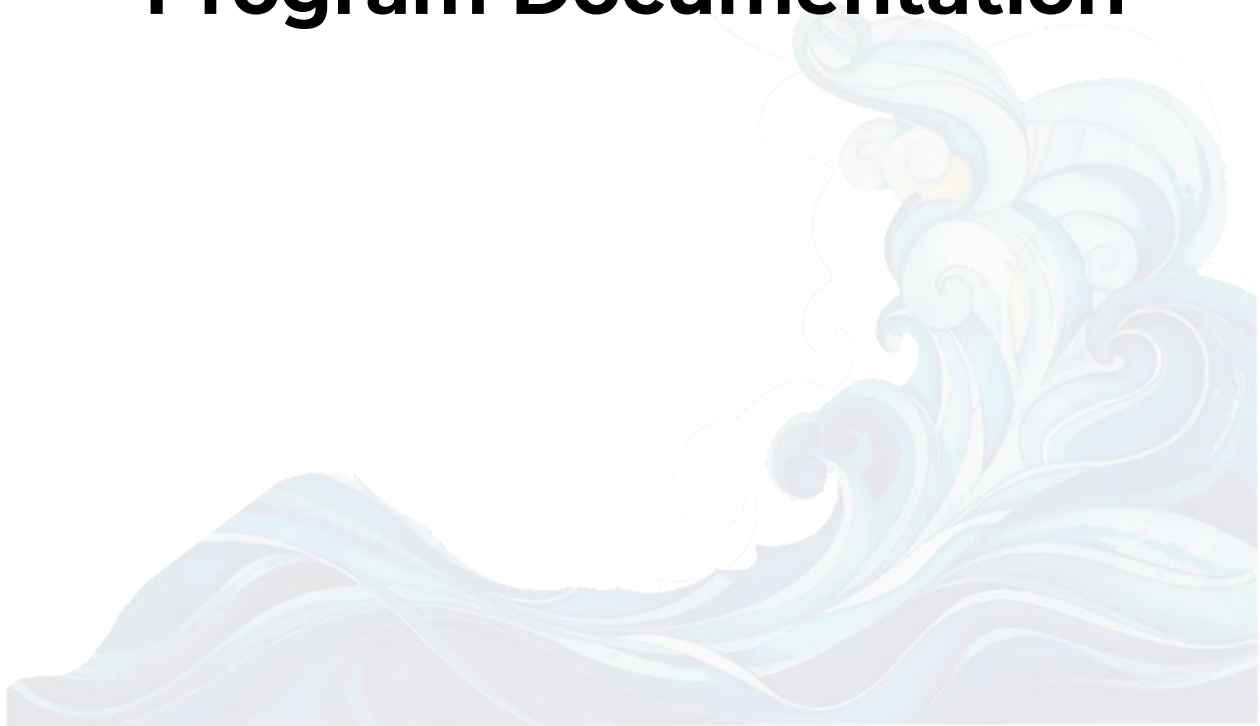




Villa Rivera Booking and Database Program Documentation



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3 Java Update/Installation	18

Introduction

This manual serves as a guide for executing the program. There are prerequisite steps and installations that will help in attaining and meeting the system requirements. This manual includes guides for installation of:

- (1) MySQL
- (2) Java
- (3) Villa Rivera Booking and Database System

System Requirements

The following are the minimum system requirements:

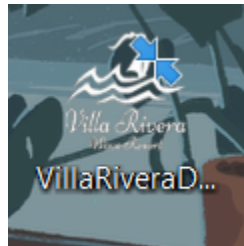
- Windows 10
- Java 1.4
- MySQL 8
- MySQL Workbench 8.0.29

The program is lightweight and so no hardware constraint has been set for the program.

1 Booking and Database Execution

Executing or running the program is a single step process. However, there are programs that first need to be installed before running it. *(Please see Section 2 to 3).*

- 1 Install **MySQL** and **Create a Schema** (Database). See full guide on Section 2.
- 2 (Optional) Check your system's Java version. An update might be needed. If so, see full guide on Section 3.
- 3 Click on the **Executable file** named "**VillaRiveraDB.exe**"



2 MySQL Installation Guide

- 1 Go to <https://www.mysql.com/downloads/>
- 2 Press the **MySQL Community (GPL) Downloads** at the bottom of the page

The screenshot shows the MySQL website. At the top, there is a navigation bar with the MySQL logo, the tagline "The world's most popular open source database", a search icon, and links for "Contact MySQL", "Login", and "Register". Below the navigation bar, there are links for "MYSQL.COM", "DOWNLOADS", "DOCUMENTATION", and "DEVELOPER ZONE". The "DOWNLOADS" link is highlighted with an orange underline. To the right of these links are social media icons for Facebook, Twitter, LinkedIn, and YouTube.

The main banner features the text "MySQL HeatWave" and two columns of performance and cost benefits:

- Faster Performance**
 - 5400x Faster than Amazon RDS
 - 1400x Faster than Amazon Aurora
 - 6.5x Faster than Amazon Redshift AQUA
 - 7x Faster than Snowflake
- Lower Total Cost of Ownership**
 - 2/3 the cost of Amazon RDS
 - 1/2 the cost of Amazon Aurora
 - 1/2 the cost of Amazon Redshift AQUA
 - 1/5 the cost of Snowflake

Below the banner, there are two buttons: "Try Now" and "Technical Guides".

On the left side, there is a sidebar with a "MySQL SUMMIT at Oracle CloudWorld" event announcement for October 17-20, 2022 in Las Vegas, with a "Register Now" button. Below this is a "Free Webinars" section listing several webinars with dates and topics, and a "Contact Sales" section with phone numbers for USA, Canada, and Germany.

On the right side, there are sections for "MySQL Enterprise Edition" and "MySQL Cluster CGE". At the bottom of the right side, there is a red box highlighting the link "MySQL Community (GPL) Downloads".

(Continuation on next page)

3 Press the **MySQL Installer for Windows**

MySQL Community Downloads

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository
- MySQL Community Server
- MySQL Cluster
- MySQL Router
- MySQL Shell
- MySQL Operator
- 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

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4 Press **Download** on the first option then press **No thanks, just start my download.**

MySQL Community Downloads

MySQL Installer

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

MySQL Installer 8.0.29

Select Operating System:

[Looking for previous GA versions?](#)

Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-web-community-8.0.29.0.msi)</small>	8.0.29	2.3M	Download
Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-community-8.0.29.0.msi)</small>	8.0.29	439.6M	Download

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

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MySQL Community Downloads

Login Now or Sign Up for a free account.

An Oracle Web Account provides you with the following advantages:

- Fast access to MySQL software downloads
- Download technical White Papers and Presentations
- Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system



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.

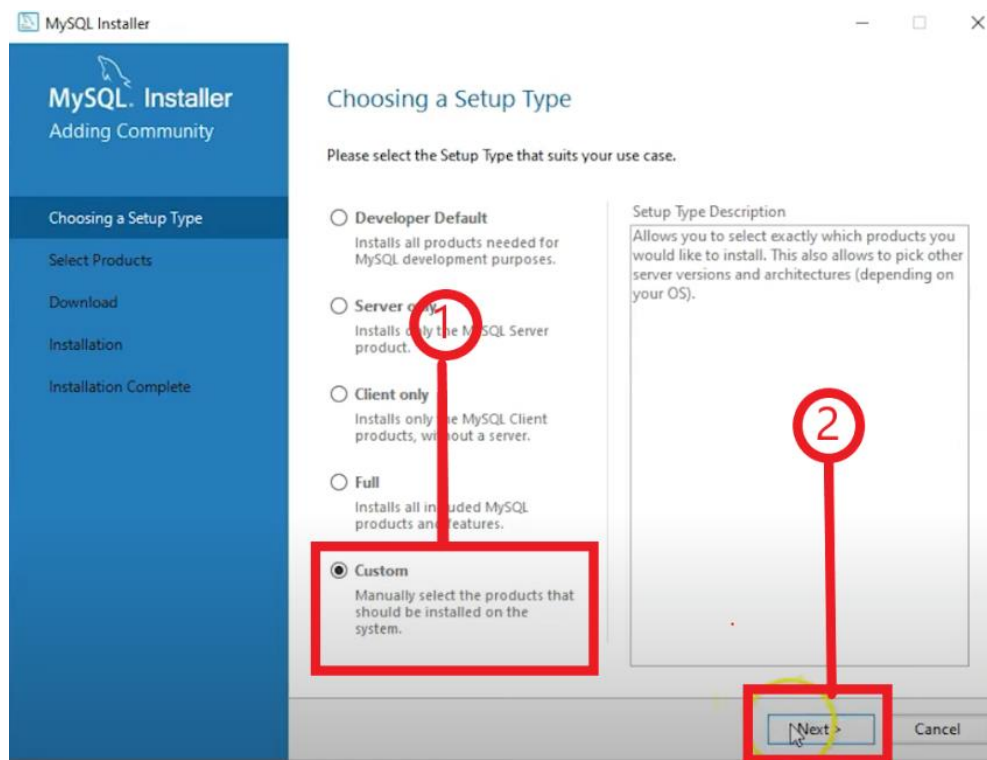
No thanks, just start my download.

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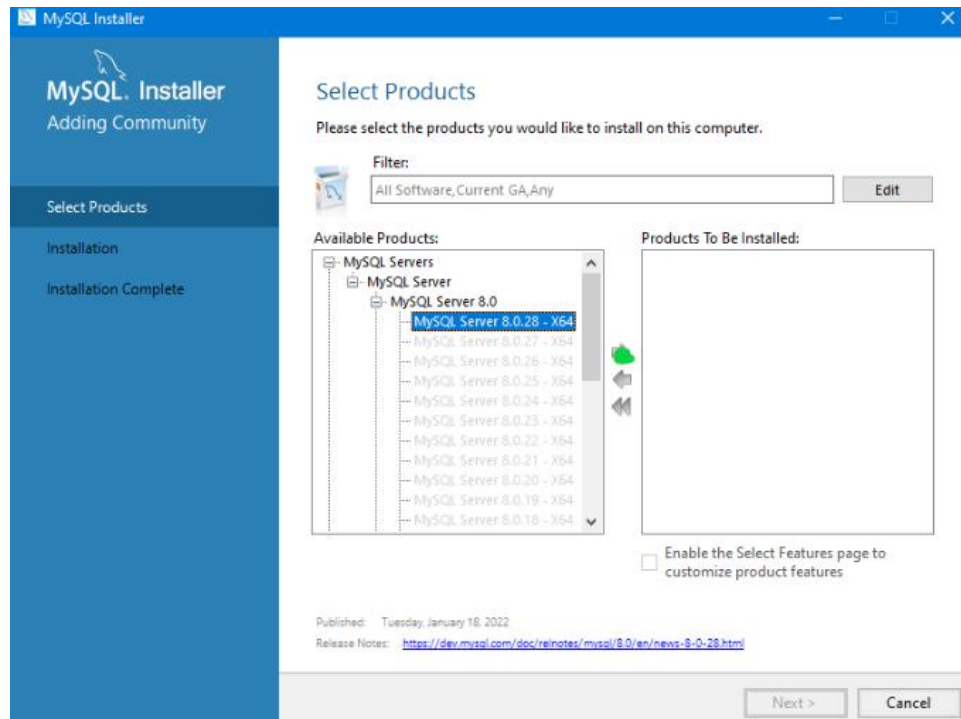
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5 Once the installer is finished downloading, run the installer.

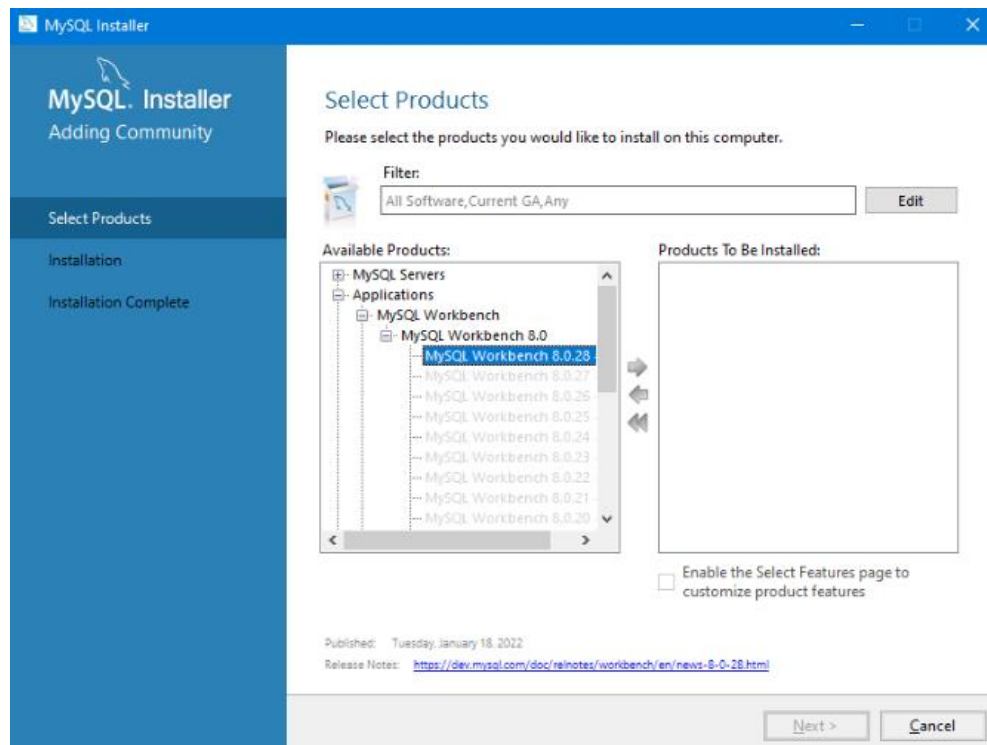
6 In the installer select custom then press next.



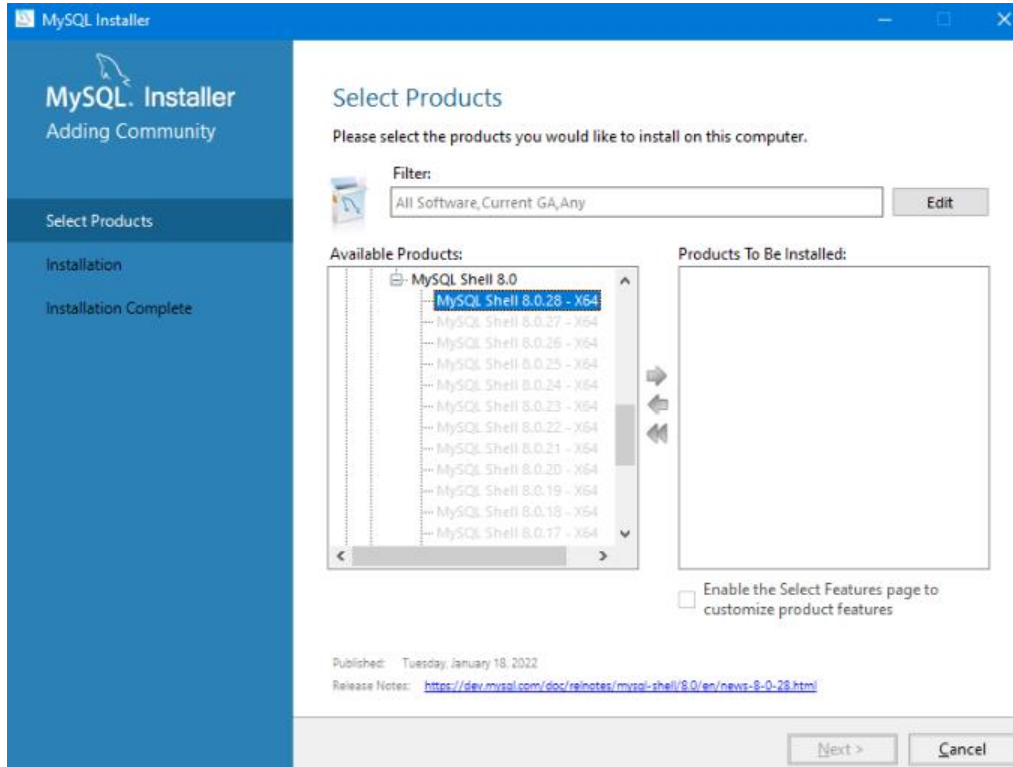
- 7 Press the + beside MySQL Server then select the latest version the press the green



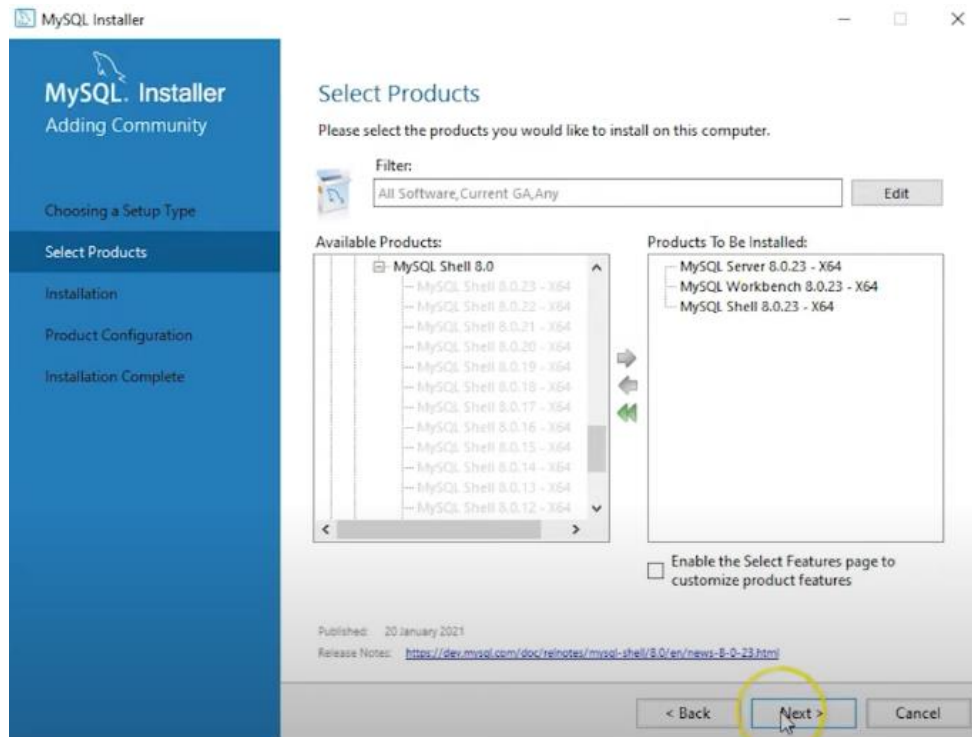
- 8 Do the same for the workbench under Applications then MySQL Workbench.



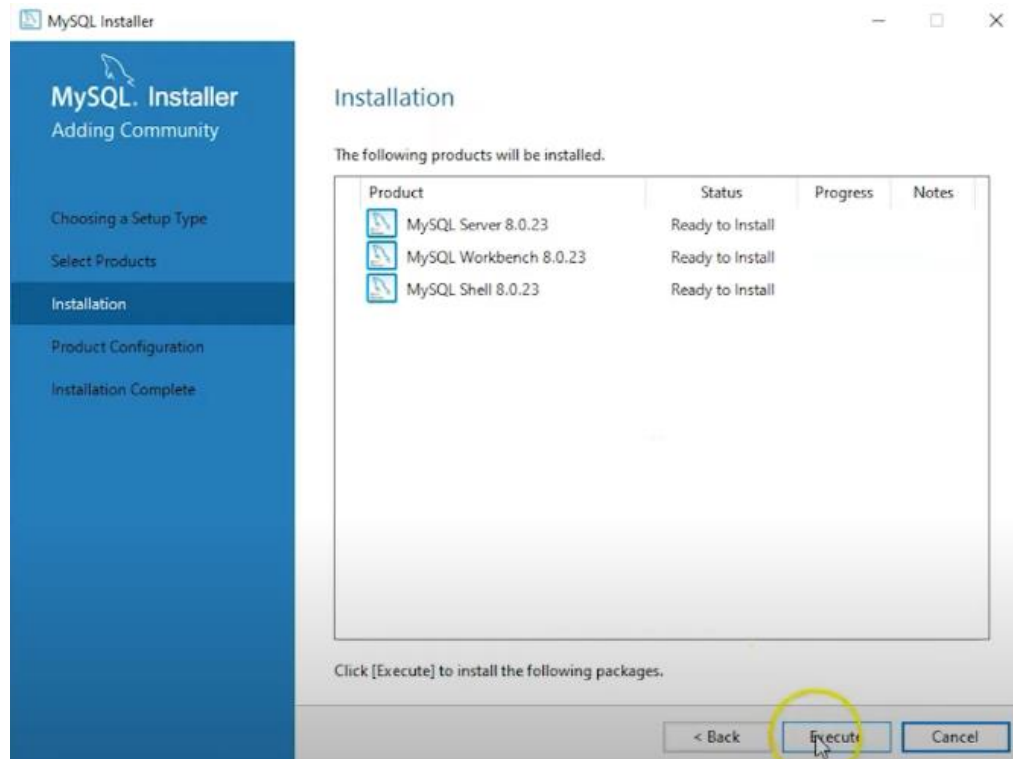
9 Once again, add MySQL Shell Latest version under the Applications.



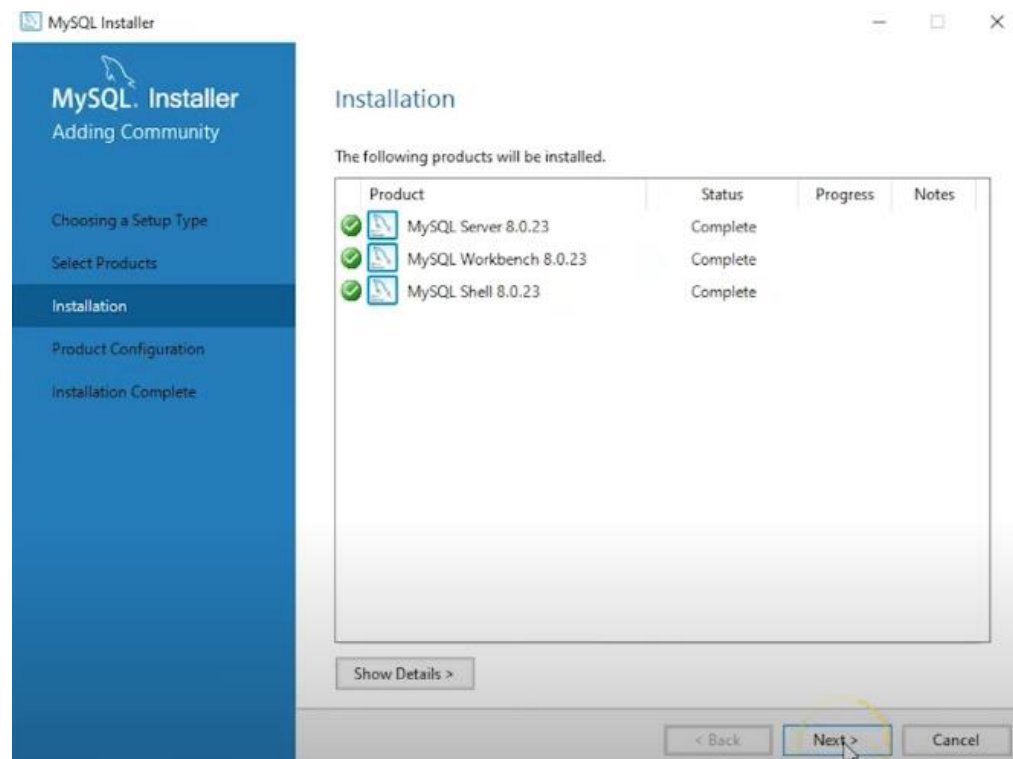
10 Once all the components are added, press next.



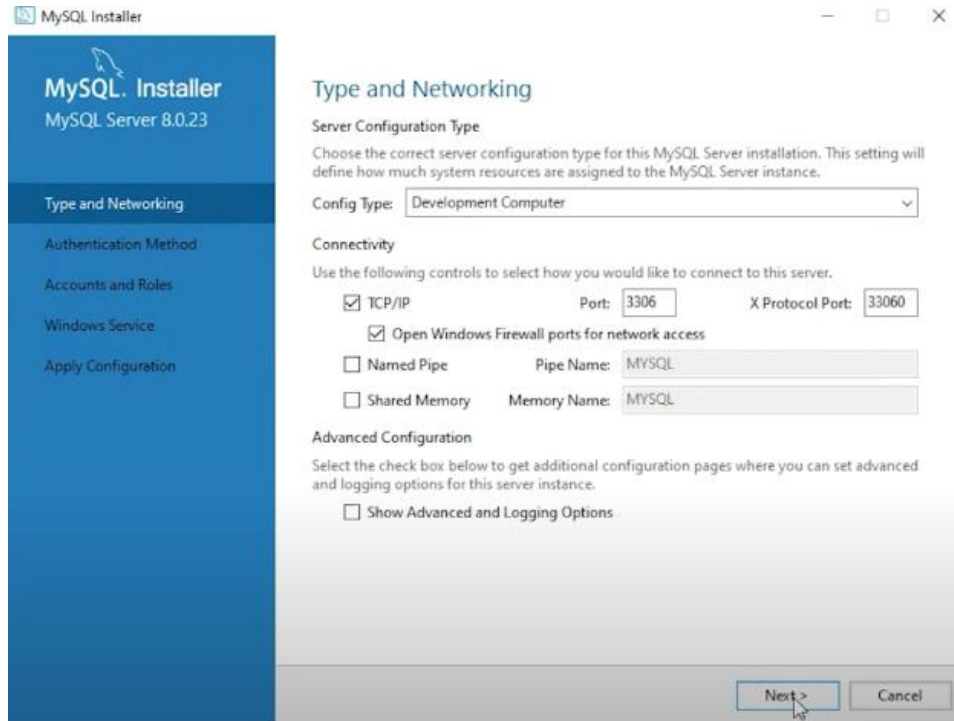
11 Press Execute then wait for the installer to install the components.



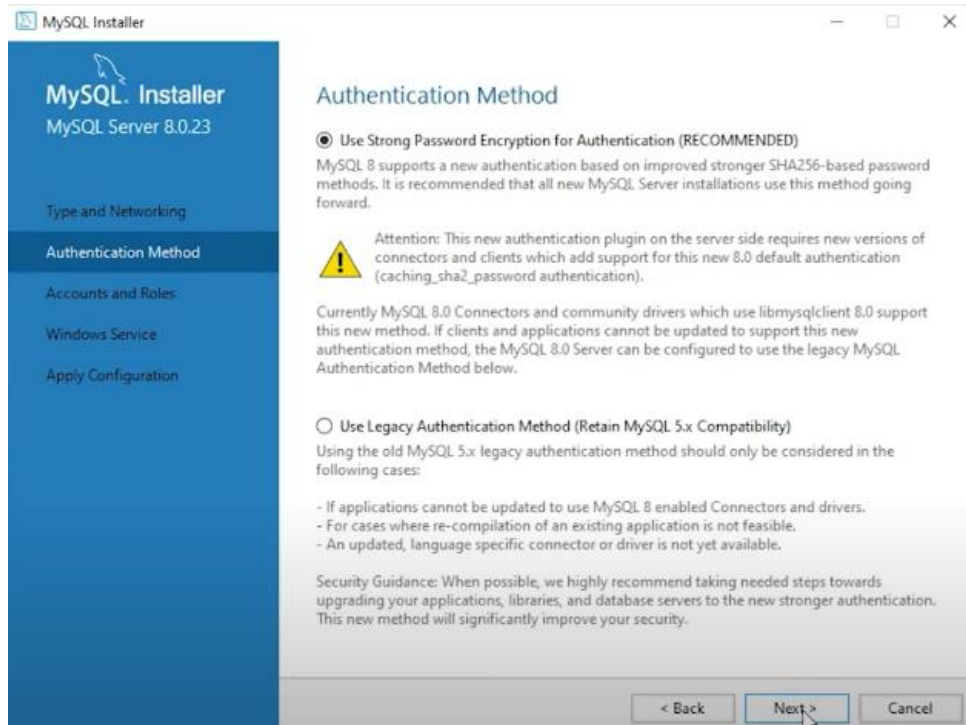
12 Once finished, press next.



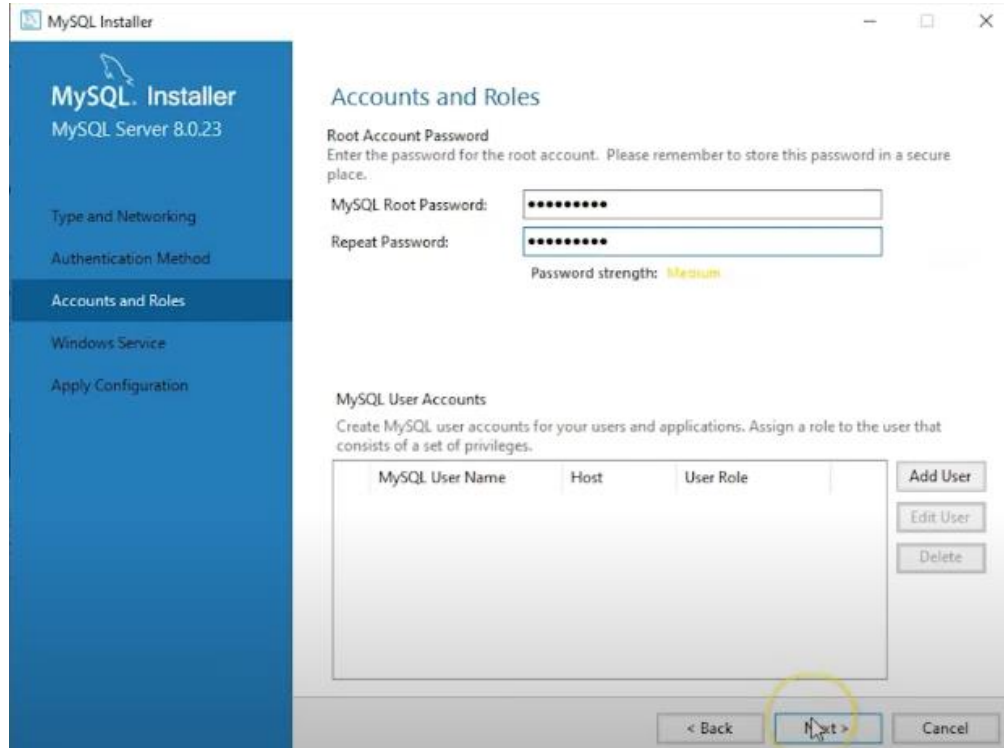
- 13** Press Next once again until you reach the Type and Networking window and leave the inputs as default.



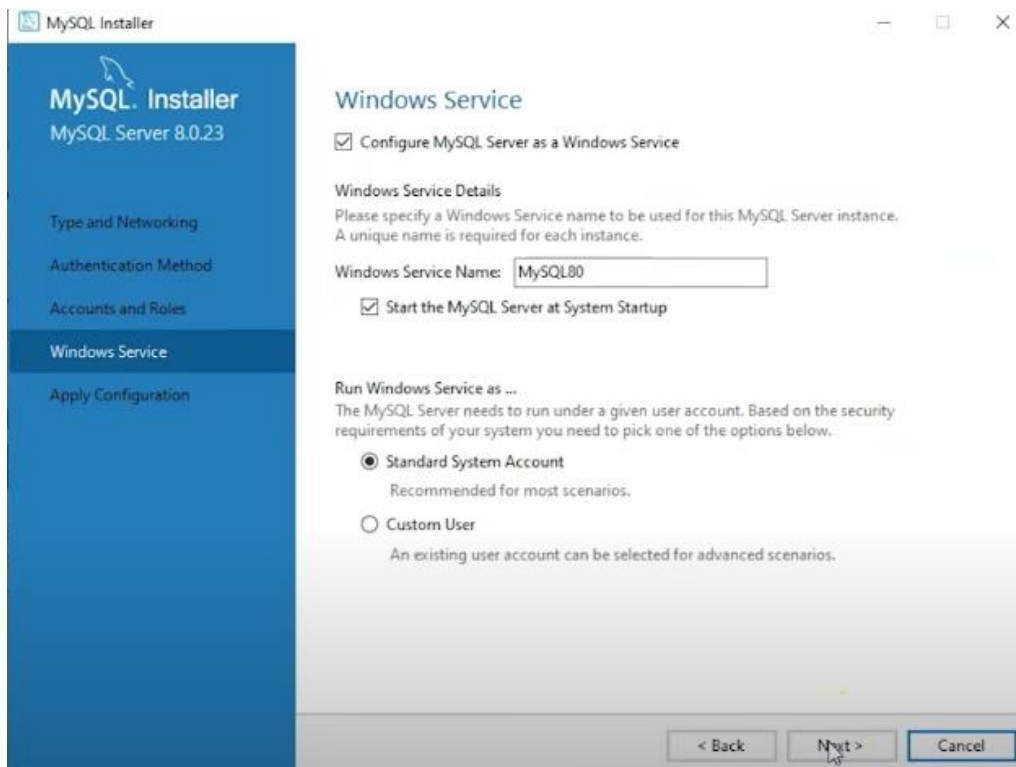
- 14** For Authentication Method, select Use Strong Password Encryption for Authentication, then press Next.



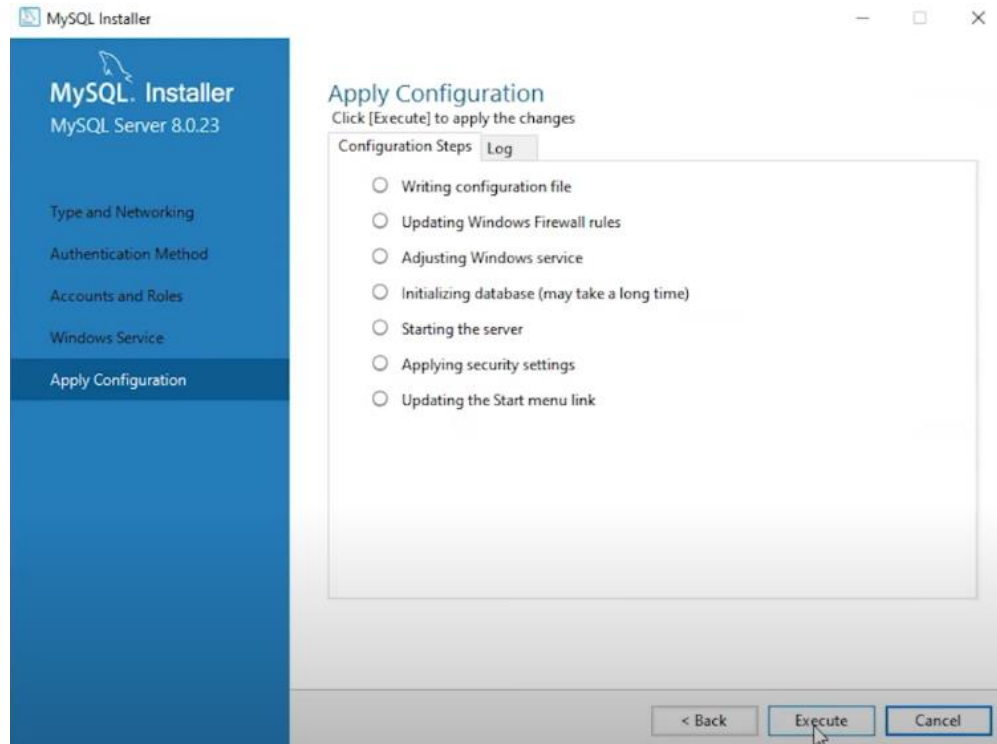
15 Set the Root password to:"**VillaRiveraDB**" then press Next.



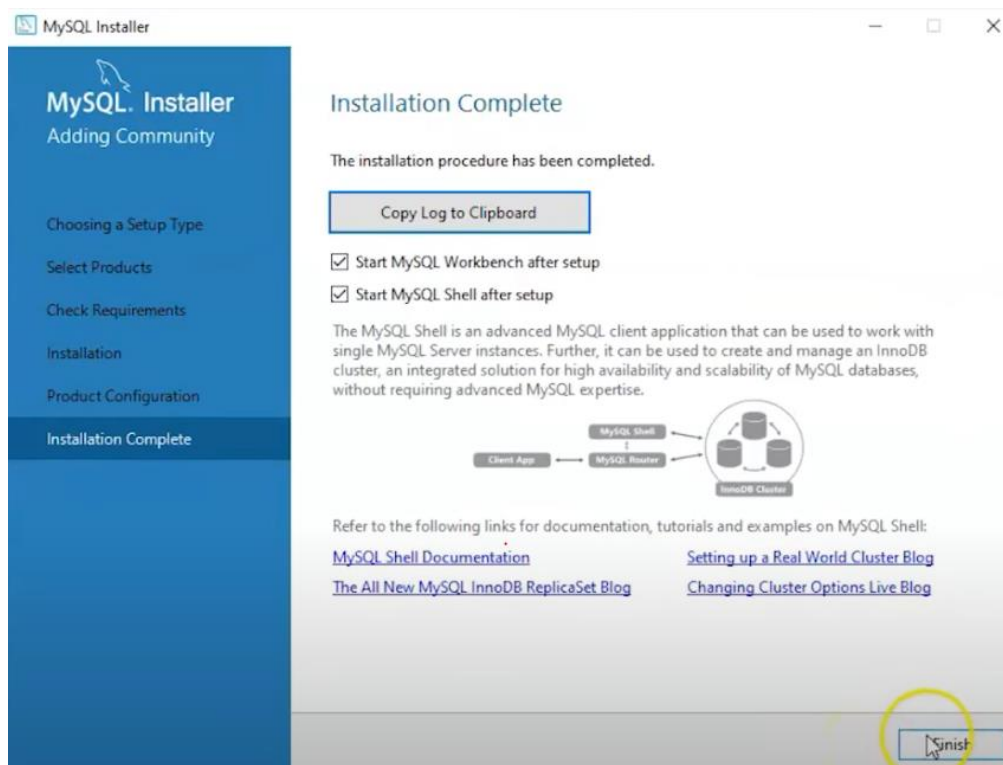
16 Leave the information as default then press Next.



17 Press Execute then Finish.



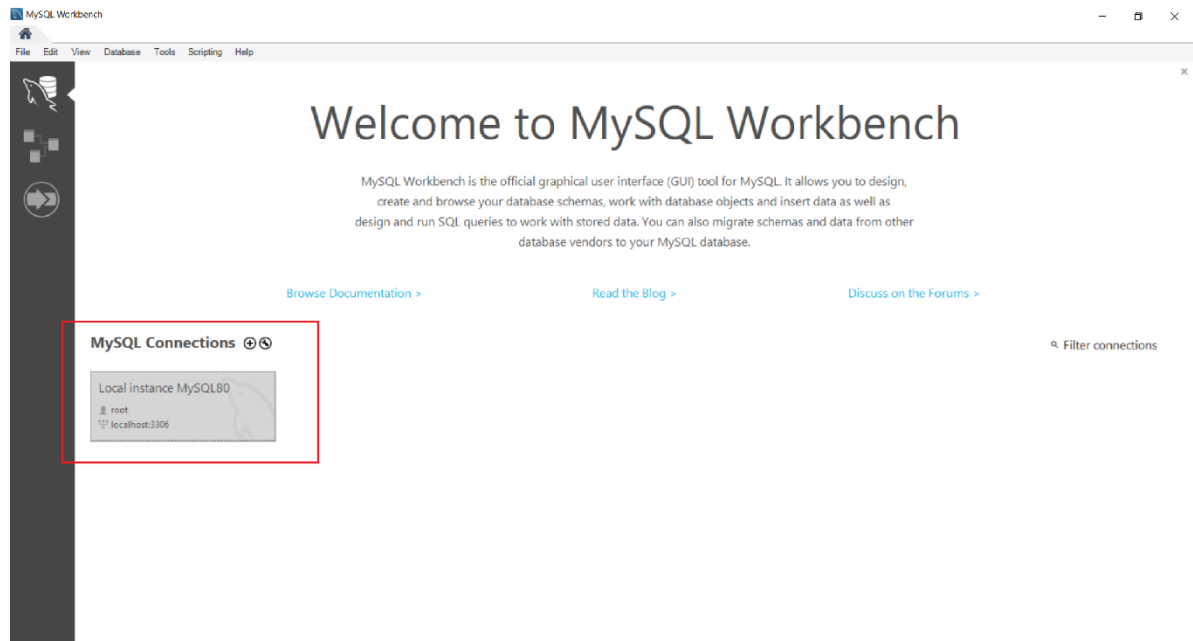
18 Then Next and Finish.



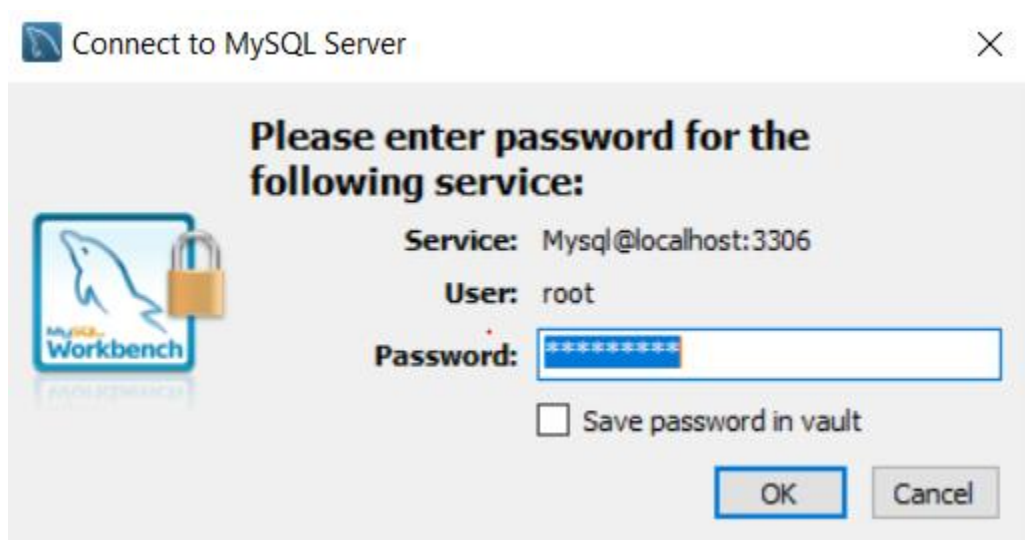
2.2 Database Creation

This step is directly after the MySQL installation. This is to establish your database which the developer's program will have to access.

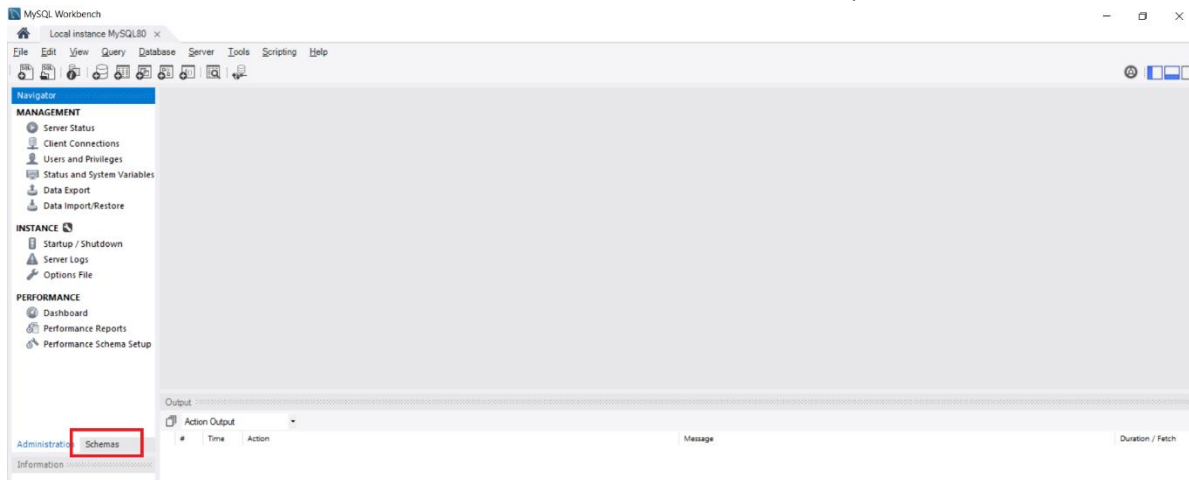
- 1 Open your MySQL Workbench and click on the highlighted box



- 2 Enter your password, **"VillaRiveraDB"** once prompted.



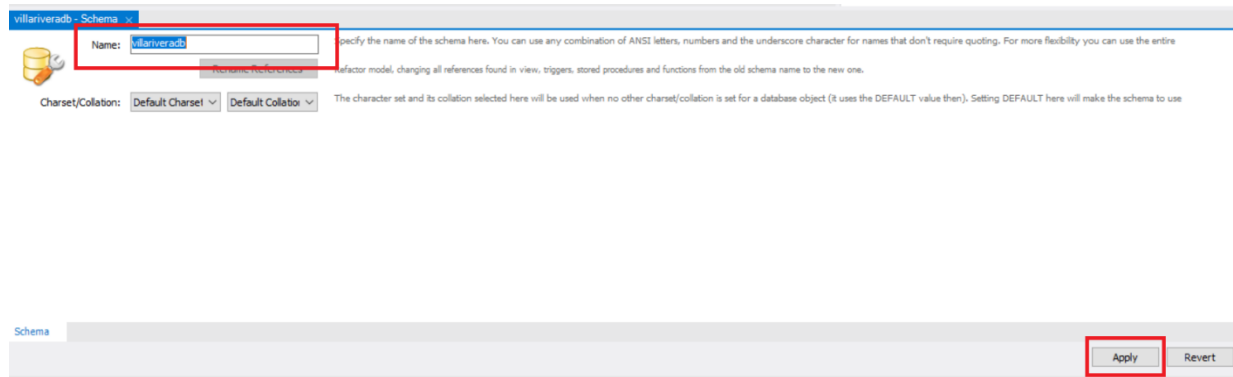
3 Click on the **Schemas** tab at the bottom of the left panel



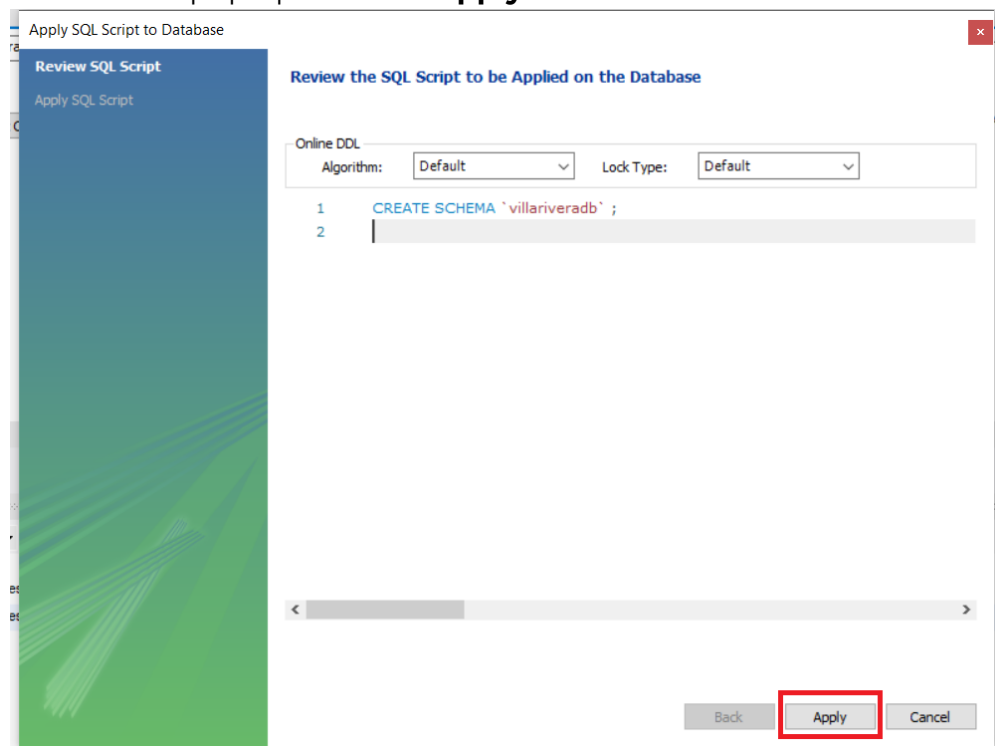
4 Once on the Schemas tab, right click on the left panel and choose **“Create Schema...”**.



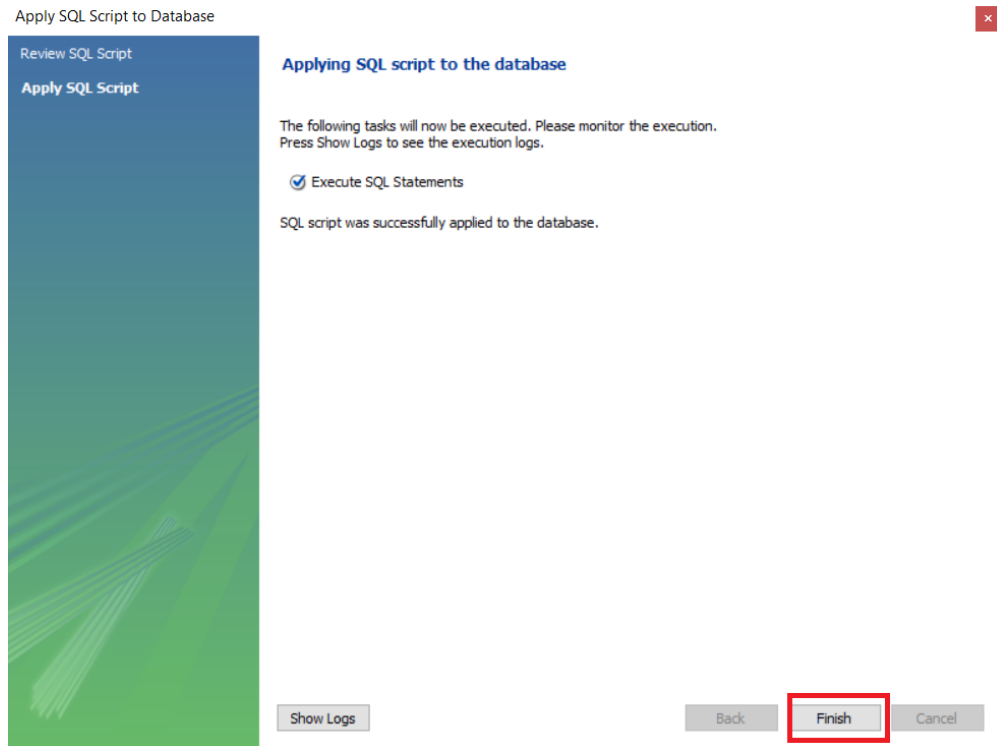
5 Name it **“villariveradb”** and then click on **Apply**



6 A window will pop up. Click on **Apply**.



7 Finally, click on **Finish**.



8 You are set!

(Continuation on Next Page)

3 Java Update/Installation

- 1 Go to <https://www.oracle.com/java/technologies/downloads/>
- 2 Scroll down to “Java SE Development Kit Downloads” and click on “**Windows**”

The screenshot shows the Oracle Java SE Development Kit Downloads page. The 'Windows' tab is selected. The page title is 'Java SE Development Kit 18.0.1.1 downloads'. Below the title, there is a table with three columns: 'Product/file description', 'File size', and 'Download'. The table lists three items: 'x64 Compressed Archive' (172.8 MB), 'x64 Installer' (153.38 MB), and 'x64 MSI Installer' (152.26 MB). The 'x64 MSI Installer' row is highlighted with a red border.

Product/file description	File size	Download
x64 Compressed Archive	172.8 MB	https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.zip (sha256 🔗)
x64 Installer	153.38 MB	https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.exe (sha256 🔗)
x64 MSI Installer	152.26 MB	https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.msi (sha256 🔗)

- 3 Click on the download button for “x64 MSI Installer”

The screenshot shows the Oracle Java SE Development Kit Downloads page for Windows. The 'Windows' tab is selected. The table lists three items: 'x64 Compressed Archive', 'x64 Installer', and 'x64 MSI Installer'. The 'x64 MSI Installer' row is highlighted with a red border.

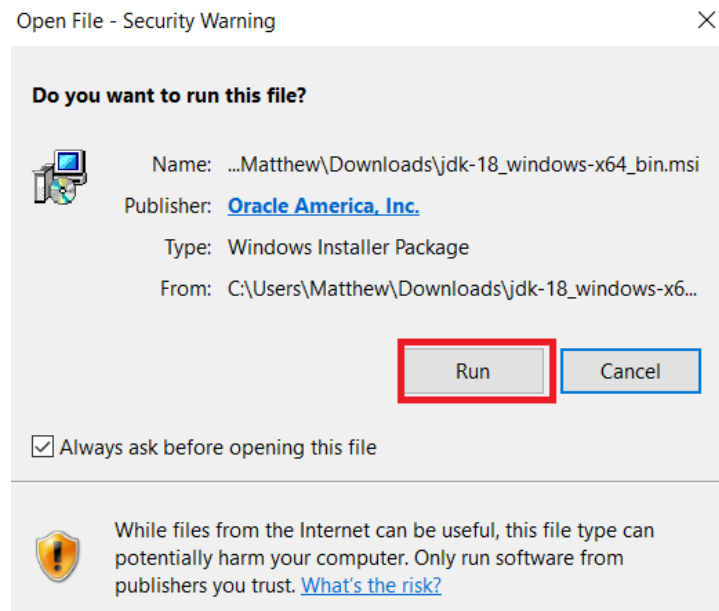
Product/file description	File size	Download
x64 Compressed Archive	172.8 MB	https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.zip (sha256 🔗)
x64 Installer	153.38 MB	https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.exe (sha256 🔗)
x64 MSI Installer	152.26 MB	https://download.oracle.com/java/18/latest/jdk-18_windows-x64_bin.msi (sha256 🔗)

- 4 Run the **downloaded file**, typically placed on your downloads folder
- 5

The screenshot shows a Windows File Explorer window. The file 'jdk-18_windows-x64_bin.msi' is selected. The file size is 155,916 KB. The date and time are 04/07/2022 6:02 pm. The file type is 'Windows Installer ...'.

File name	File size	Date and time	File type
jdk-18_windows-x64_bin.msi	155,916 KB	04/07/2022 6:02 pm	Windows Installer ...

6 Click on **Run** upon a window pop up

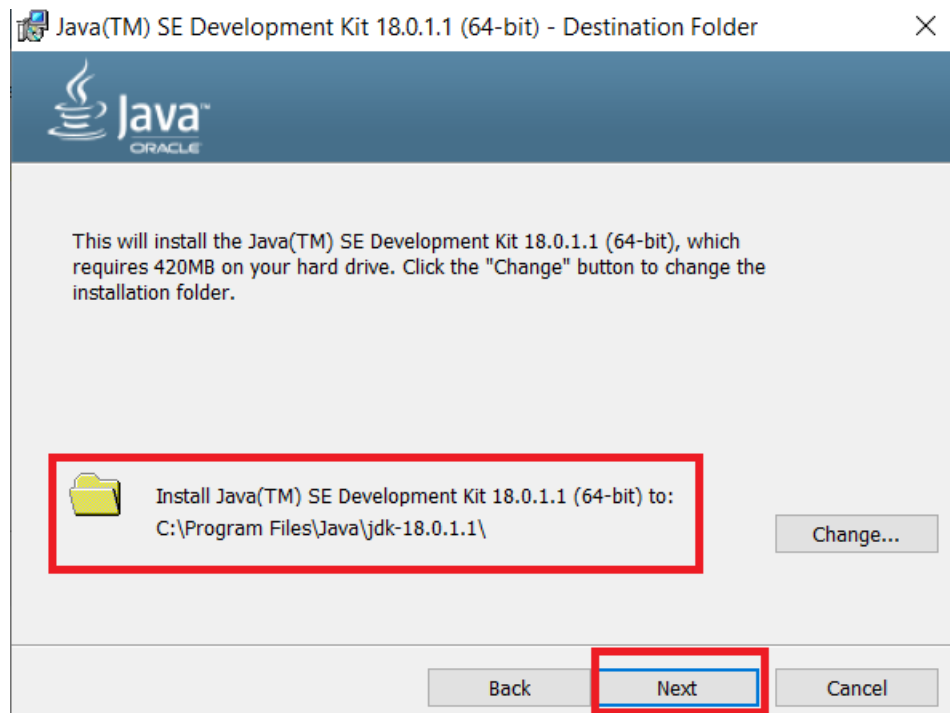


!! If you are prompted for a reinstallation, you may close it and there is no need to continue further. Java has already been installed on your system. !!

7 Click on **Next**



- 8 For future references, take note on where it will be installed. Click on **Next**.



- 9 Wait for the installation to finish.



10 Finally, click **Close**.



--End Of Program Manual--