

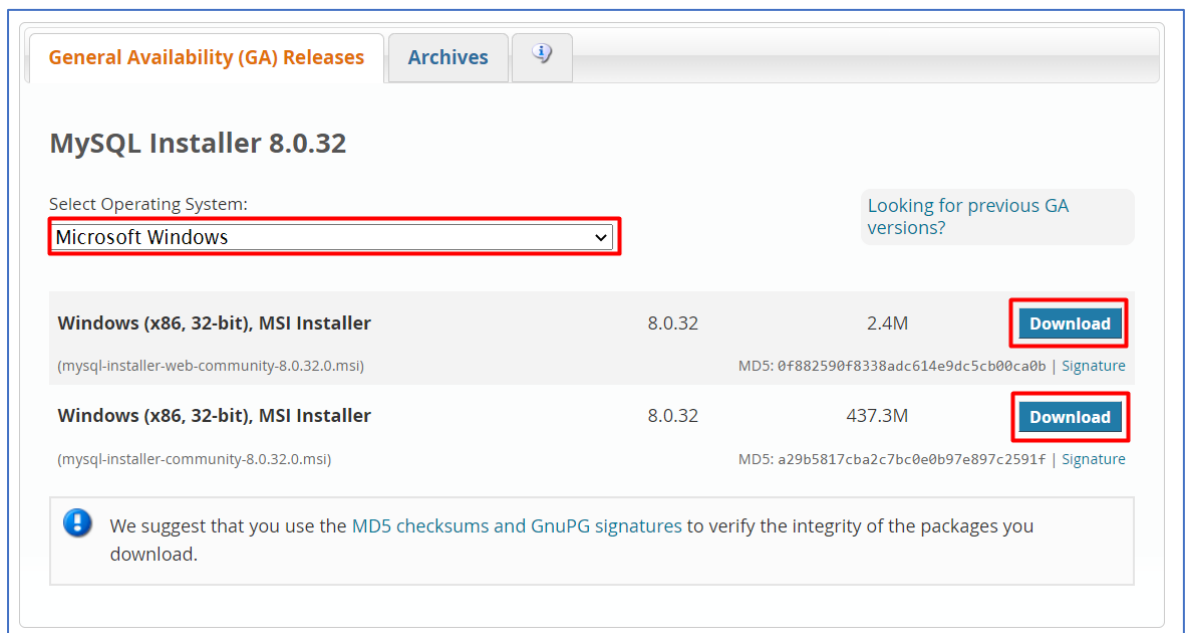
1. MySQL and Workbench Installation

1. MySQL Workbench:

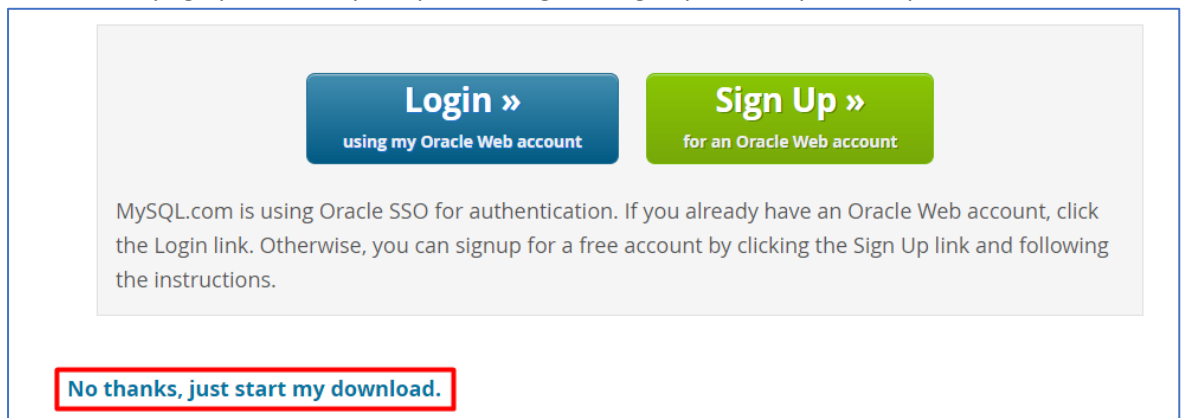
- A **visual tool for database design, management, and administration**, while **MySQL Server is the actual database management system** that **stores, manages, and retrieves data**. QA engineers need these tools to create, manipulate, and verify databases during testing, ensuring that the application's data-related functionalities work correctly and meet requirements.

2. Download MySQL Installer:

- Navigate to the official MySQL download site at <https://dev.mysql.com/downloads/installer/>
- Choose your operating system and click one of the two download buttons. It doesn't if you choose mysql-installer-web-community or mysql-installer-community. They are quite the same. The first one downloads the files needed while installing them, the other pre downloads the files needed and then installs them.

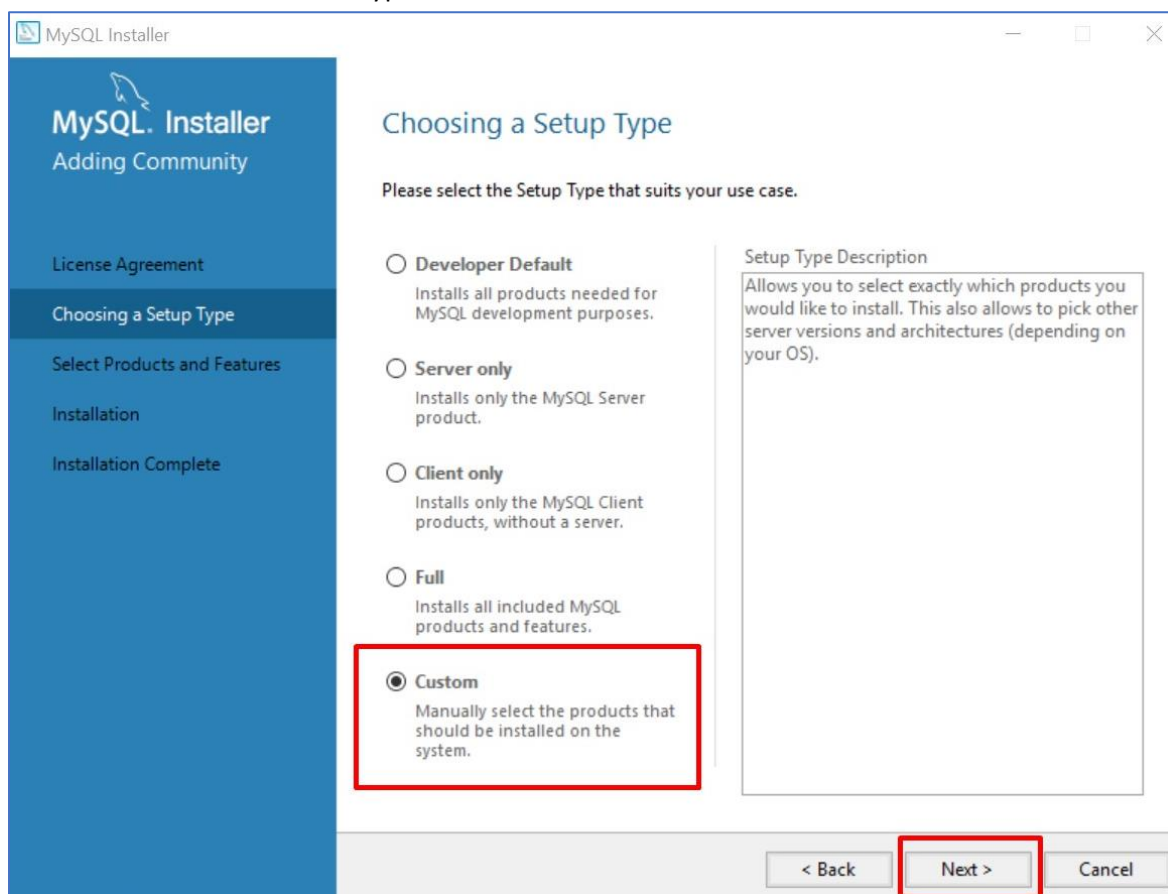


- On the next page you will be prompted to Login or Sign up. Just skip this step.

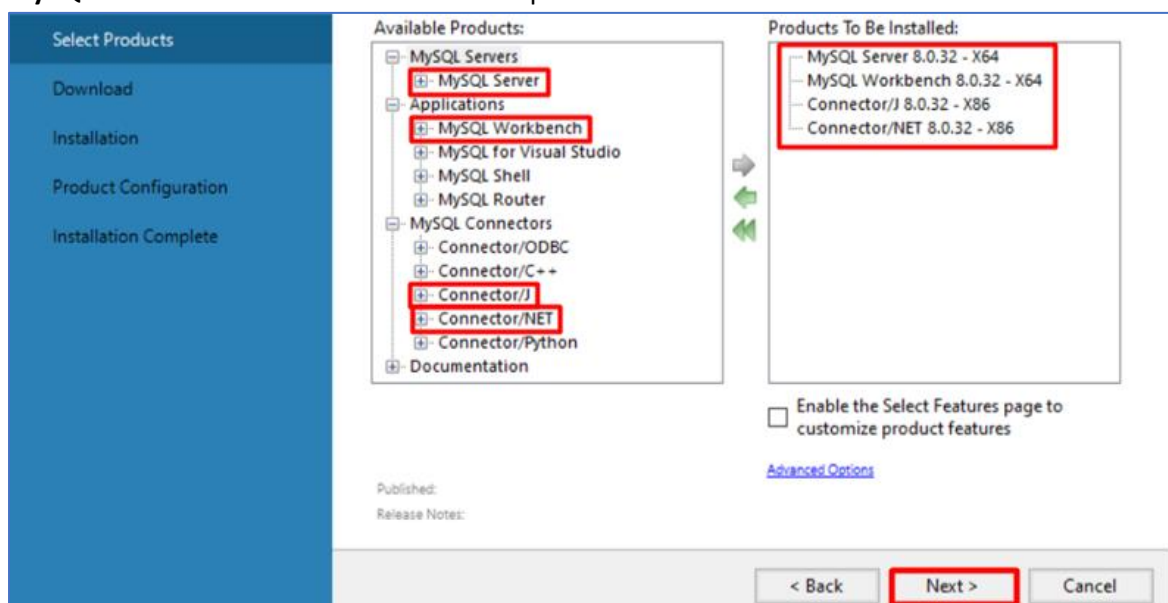


3. Run MySQL Installer:

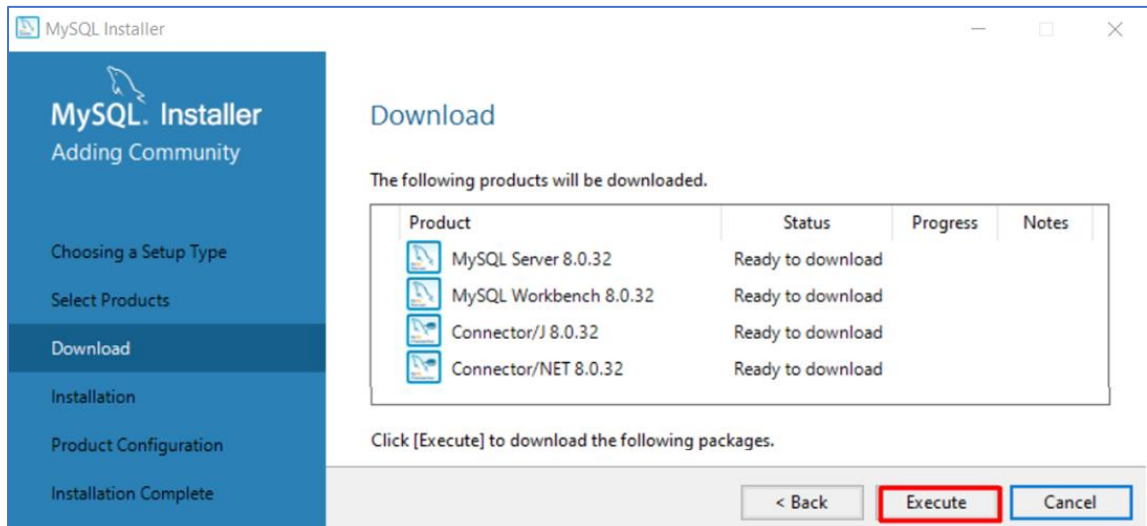
- Once the installer is downloaded, run the executable file.
- Choose "Custom" installation type. Then click next.



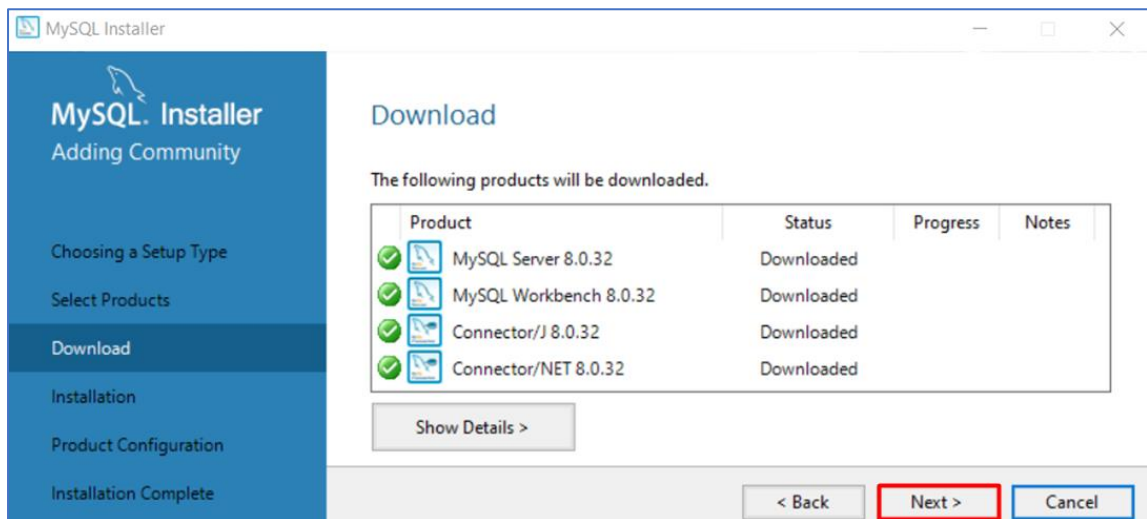
- All the features we need are **MySQL Server**, **MySQL Workbench**, **Connector/J**, **Connector/NET** and **MySQL Workbench**. All other features are optional and won't be needed for now.



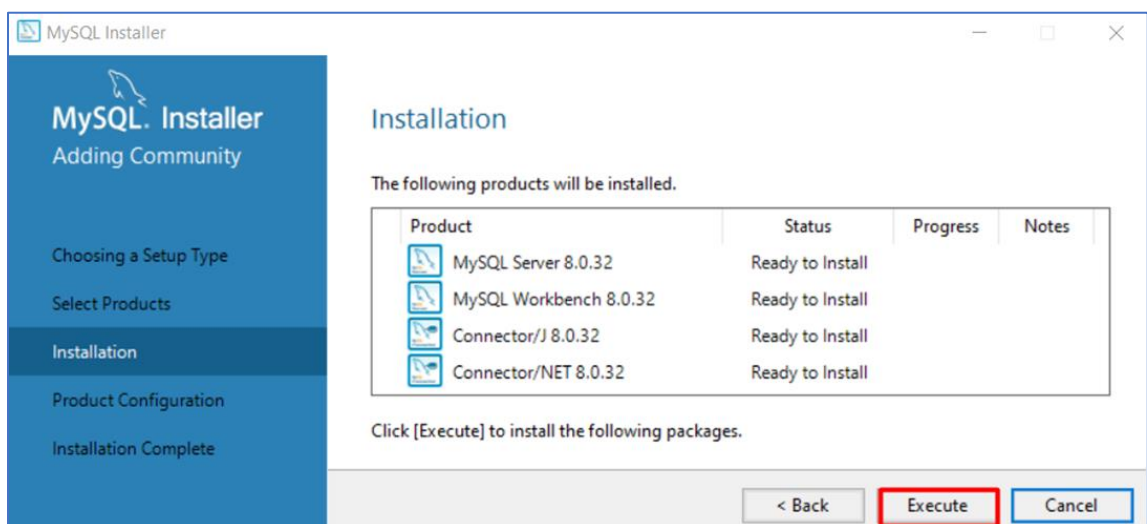
- Click **Execute** and the setup will download the selected features.



- Wait for the files to download and click **Next**:

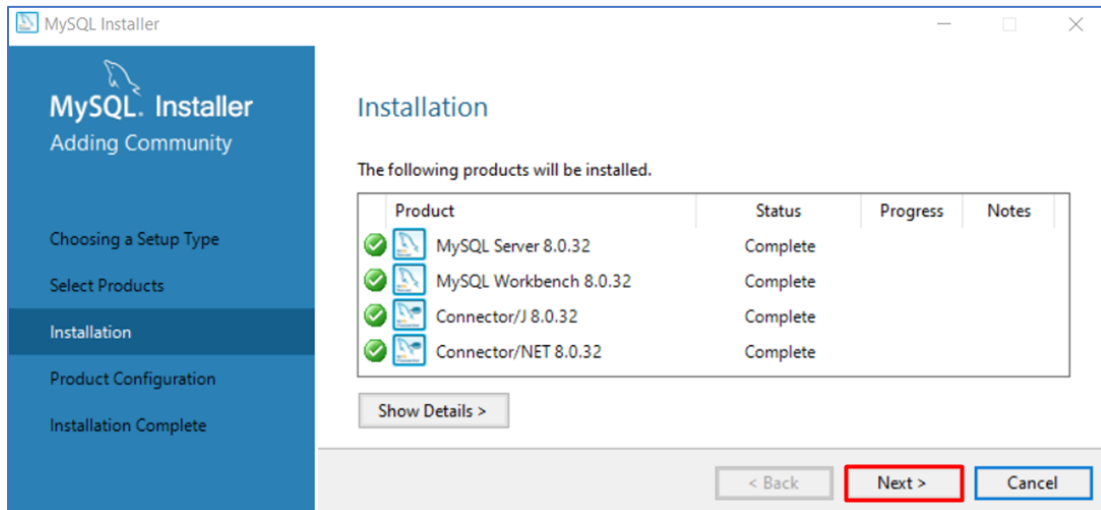


- Click **Execute** to install the files:



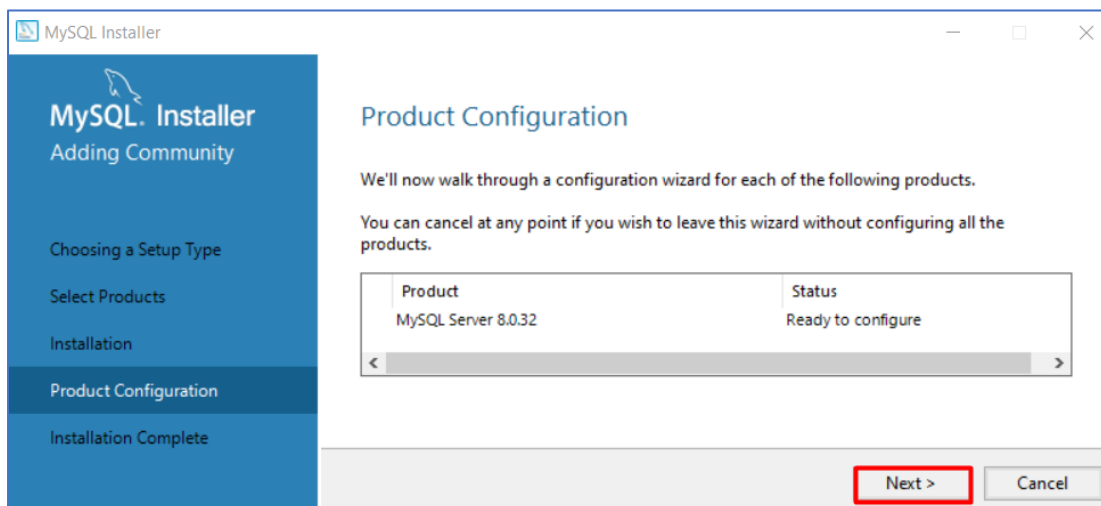
Connector/J and Connector/NET (client libraries for Java and .NET) are optional. We shall not need them.

- Wait for the installation to complete and click **Next** to start configuration wizard:

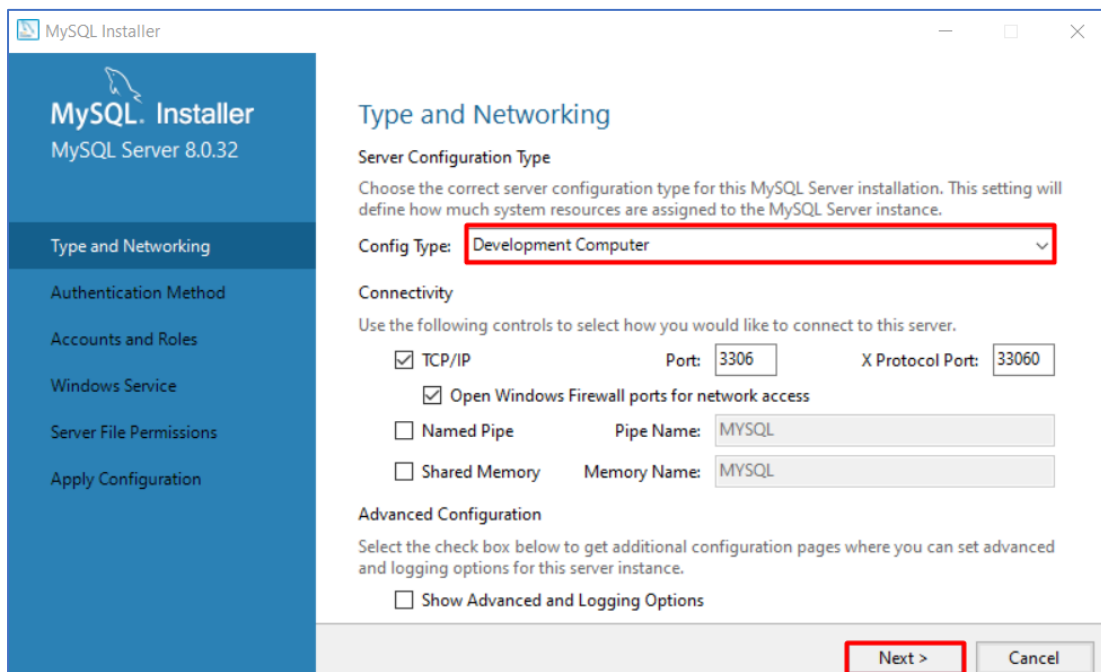


4. Now, you have to configure your product.

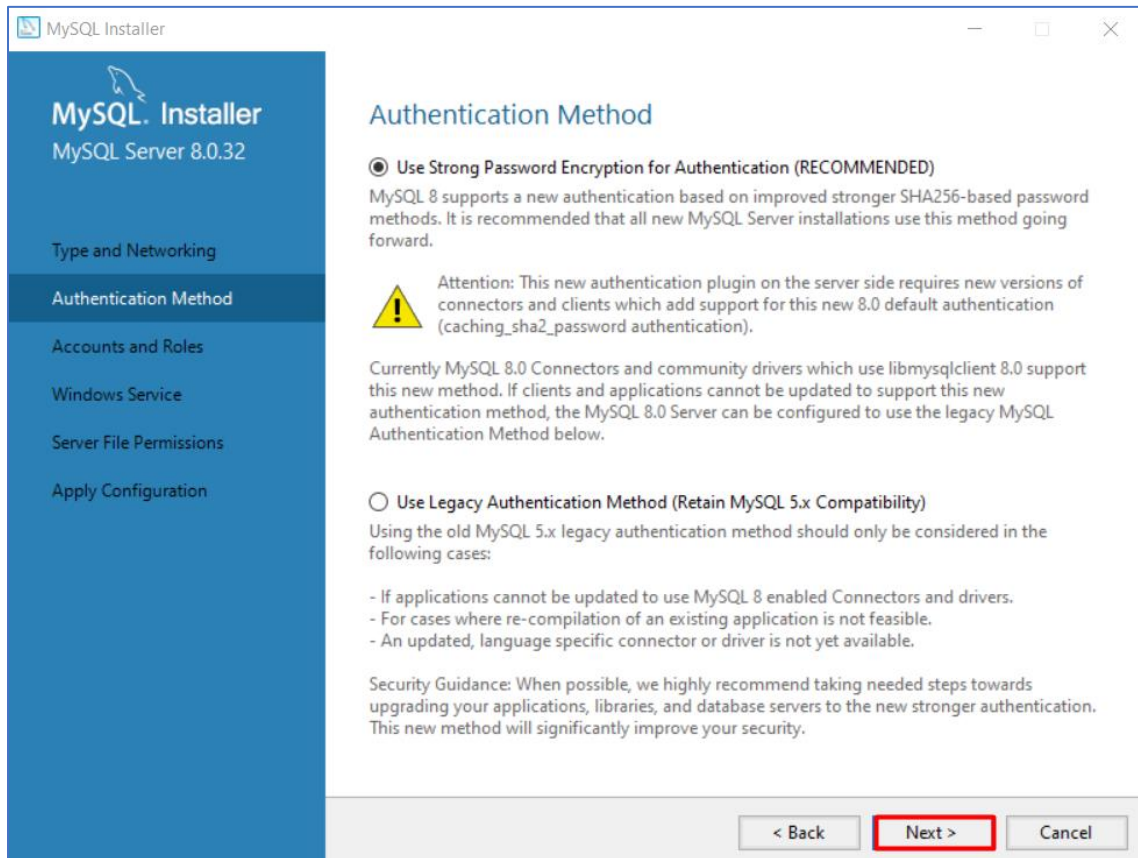
- Click Next:



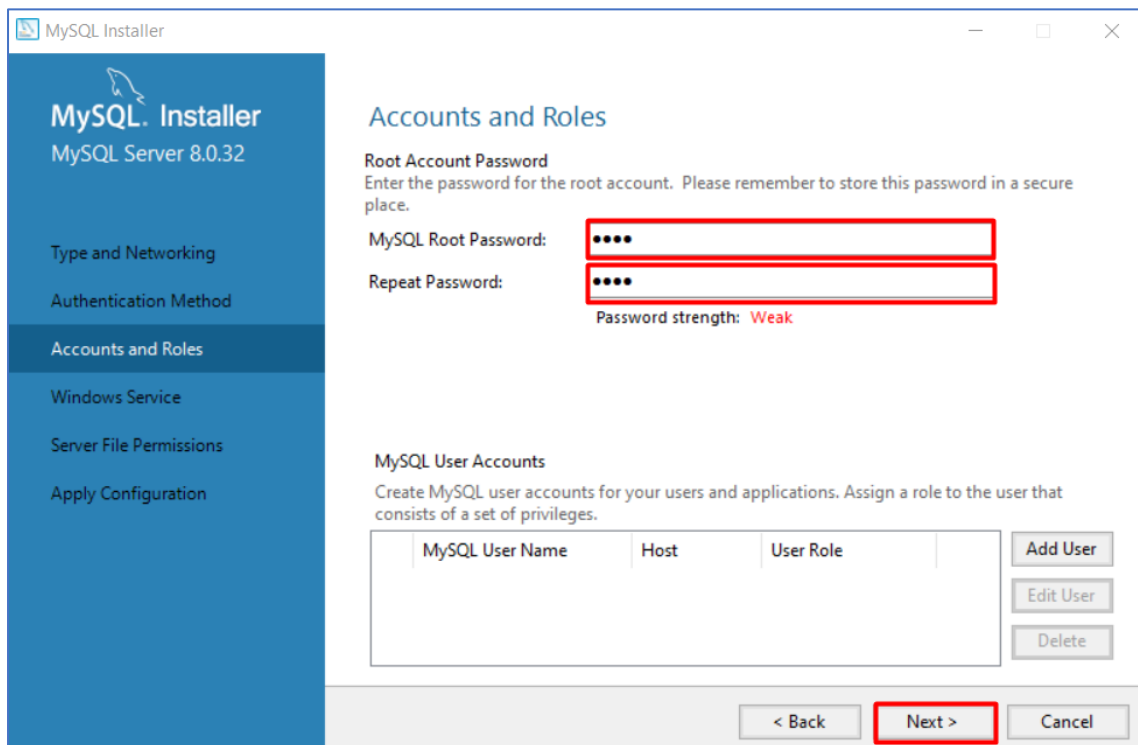
- Choose the configuration type to be a **Development Computer** and click on Next:



- **Choose Authentication method** and click **Next**:



- **Set password to the Root account** and click **Next**:

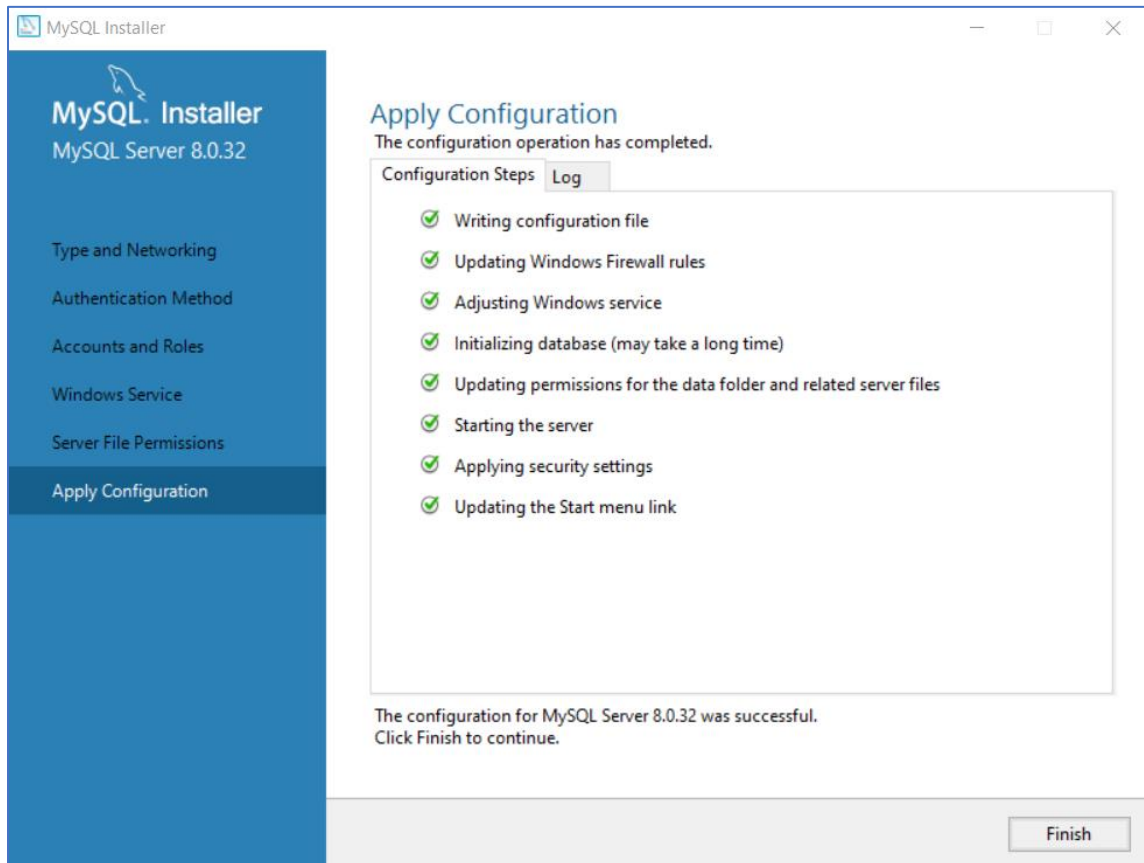


- Here you can set the **MySQL Server** to run as **Windows Service** and to start automatically at **Windows start up**. Otherwise, **you must start up MySQL every time before working with a database**. Decide whichever suits you best.

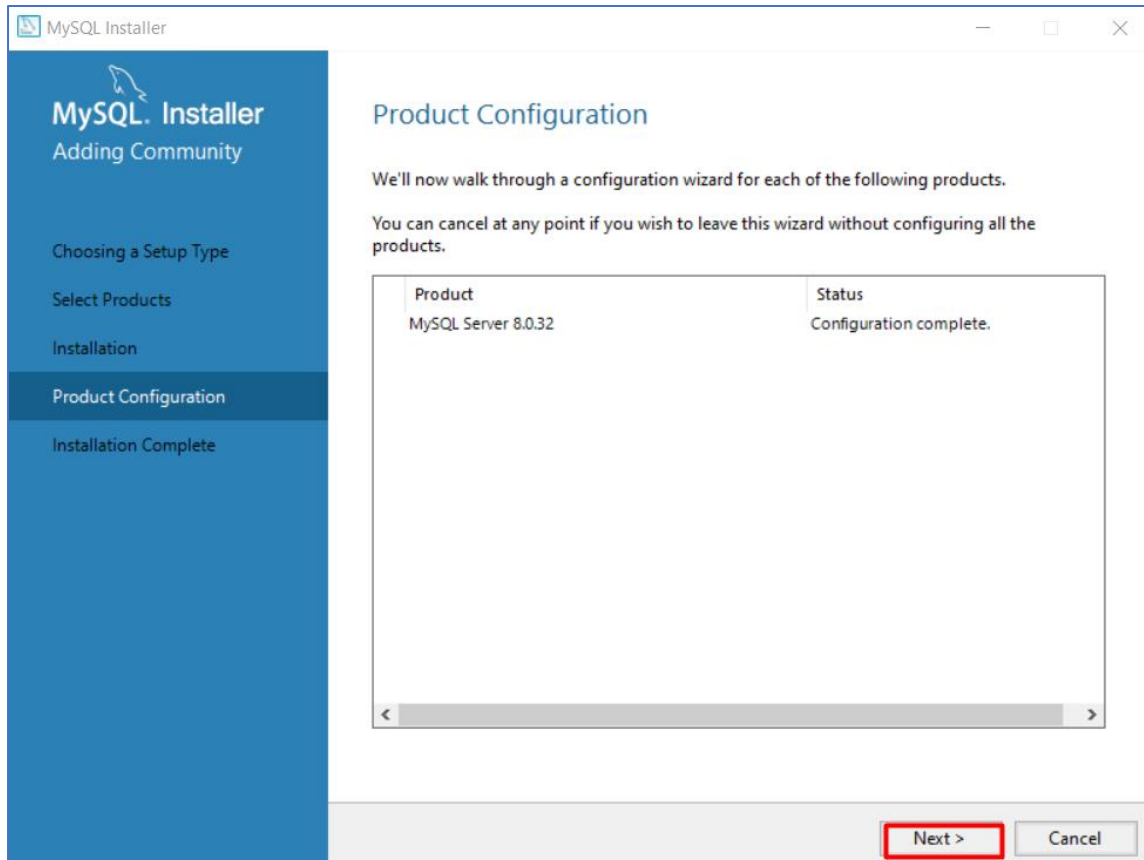
- Server File Permission** – Leave the chosen option as it as it is. Next:

- Hit Execute** and wait for the **Configuration to be applied**:

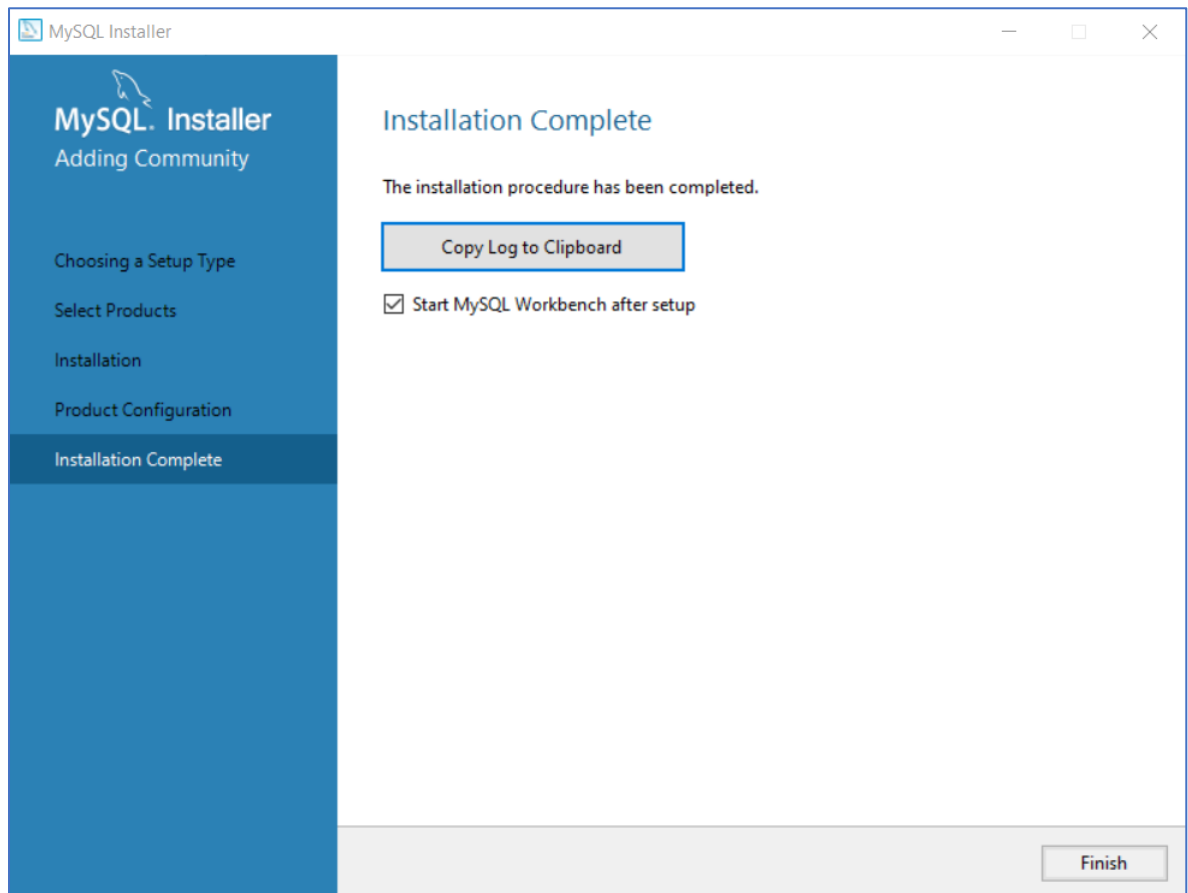
- Click **Finish**:



- Another **Next**: 😊

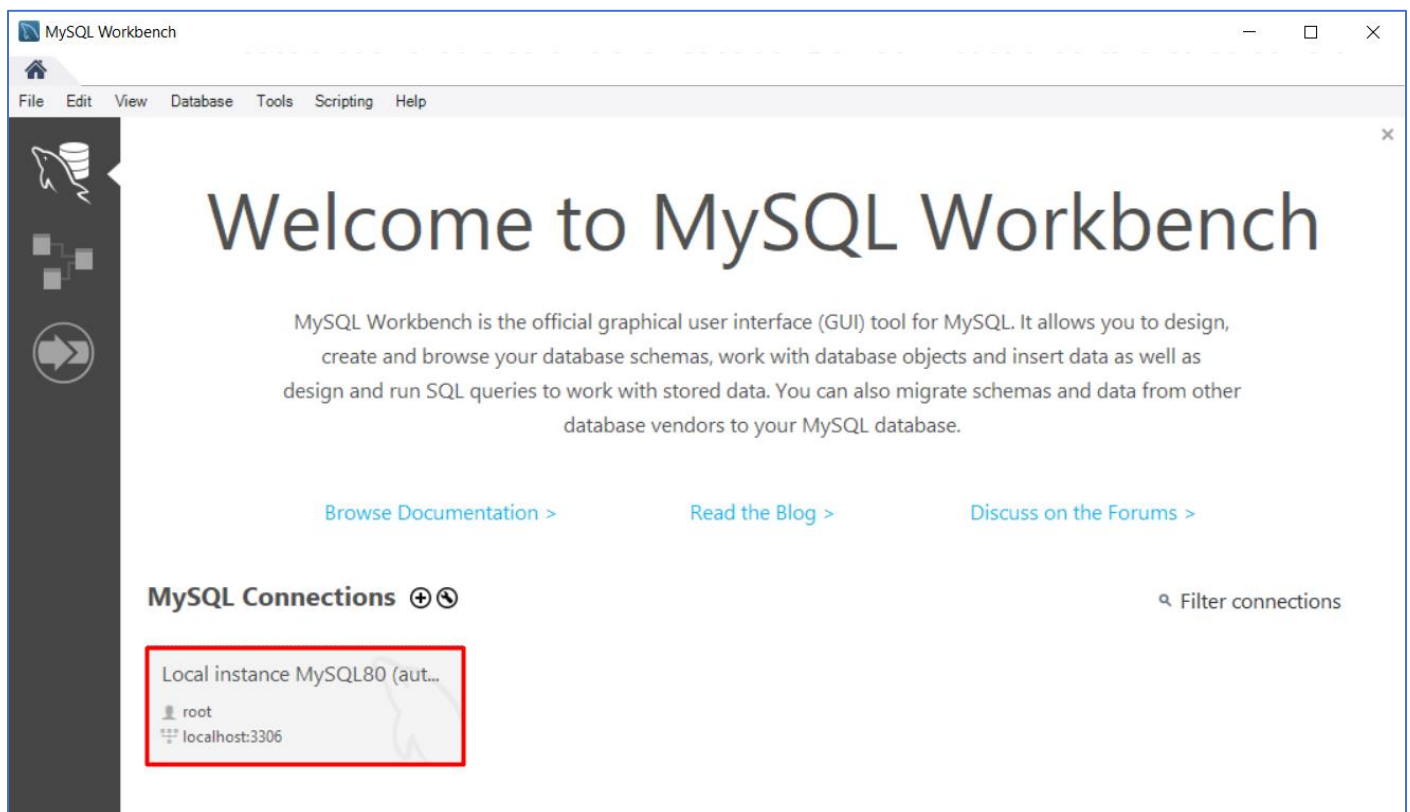


1. And one final **Finish**:

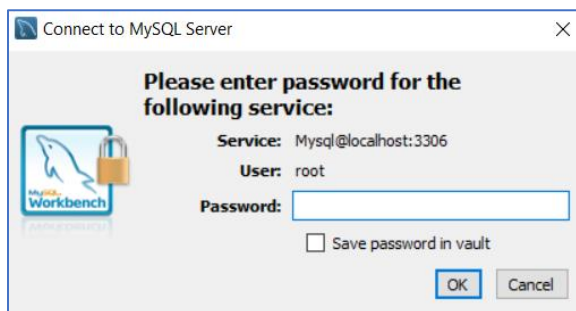


2. Getting Started with Workbench

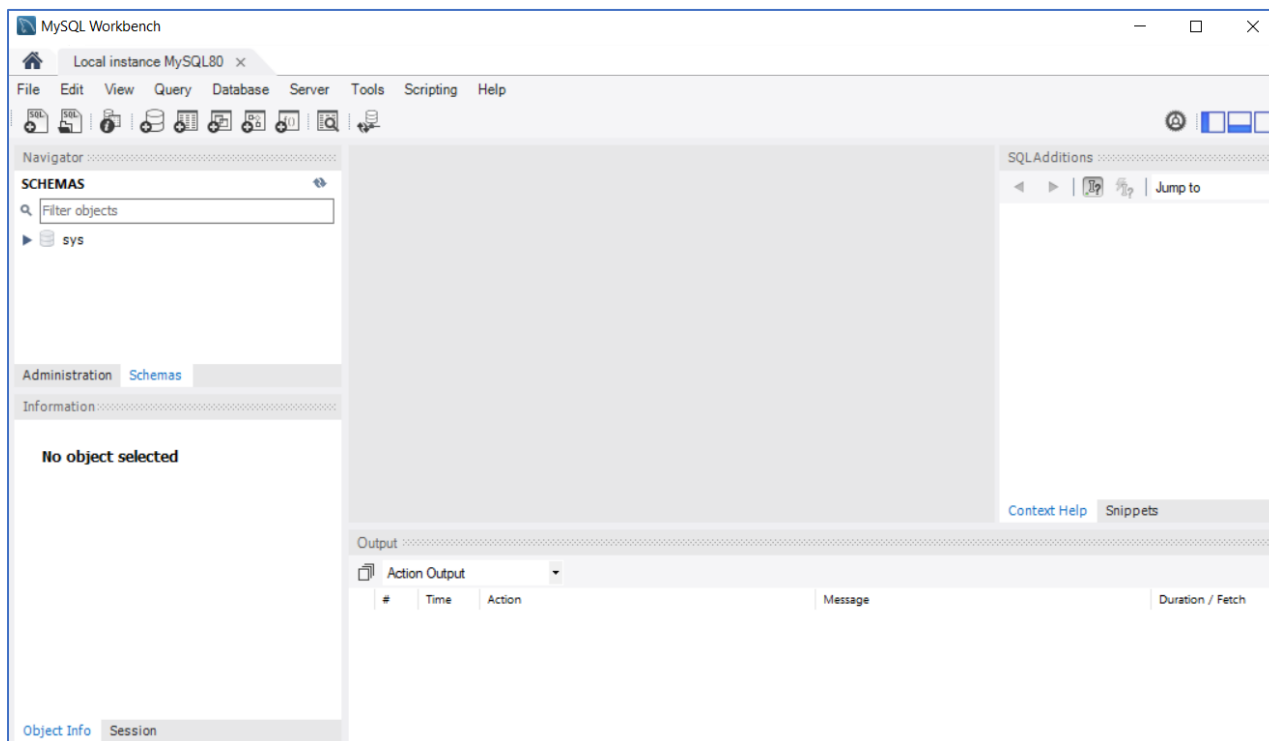
1. Open Workbench and connect to the local server.



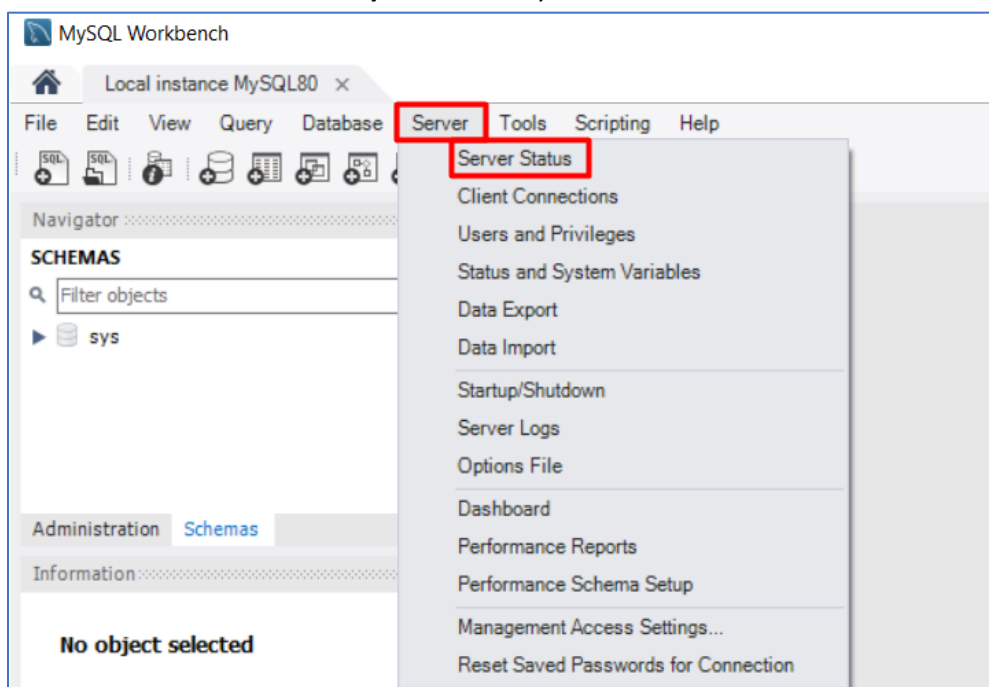
2. Enter the **password** you previously created.



3. This is how **Workbench** looks like.



4. You can check the **status of your server** if you'd like.



MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigation

SCHEMAS

Filter objects

sys

Administration

Schemas

Information

No object selected

Administration - Server Status

2GB RAM

Connection Name

Local instance MySQL80

Host: DESKTOP-QQL0PF9

Socket: MySQL

Port: 3306

Version: 8.0.32 (MySQL Community Server - GPL)

Compiled For: Win64 (x86_64)

Configuration File: C:\ProgramData\MySQL\MySQL Server 8.0\my.ini

Running Since: Fri Apr 21 09:43:32 2023 (0:52)

Refresh

Available Server Features

Performance Schema: <input checked="" type="radio"/> On	Windows Authentication: <input type="radio"/> Off
Thread Pool: <input type="radio"/> n/a	Password Validation: <input type="radio"/> n/a
Memcached Plugin: <input type="radio"/> n/a	Audit Log: <input type="radio"/> n/a
Semisync Replication Plugin: <input type="radio"/> n/a	Firewall: <input type="radio"/> n/a
SSL Availability: <input checked="" type="radio"/> On	Firewall Trace: <input type="radio"/> n/a

Server Directories

Base Directory: C:\Program Files\MySQL\MySQL Server 8.0\

Data Directory: C:\ProgramData\MySQL\MySQL Server 8.0\Data\

Disk Space in Data Dir: 15.31 GB of 118.69 GB available

Plugins Directory: C:\Program Files\MySQL\MySQL Server 8.0\lib\plugin\

Server Status

Running

CPU Load

11%

Connections

4

Traffic

5.26 KB/s

Key Efficiency

0.0%

Selects per Second

0

InnoDB Buffer Usage

13.3%

InnoDB Reads per Second

0

InnoDB Writes per Second

0

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