

## Installation and Setup



# Learning Objectives

By the end of this lesson, you will be able to:

- 🕒 Download MySQL Community
- 🕒 Install MySQL Workbench and Server
- 🕒 Download a sample MySQL database
- 🕒 Load data into MySQL Workbench





## Downloading MySQL Community

# MySQL Community Download

MySQL is an open-source database management system available at MySQL's official website.



# MySQL Community Download

On the *installer* page, find an option to download either an online or offline setup file.

General Availability (GA) ReleasesArchives


## MySQL Installer 8.0.25

Select Operating System:

Microsoft Windows

Looking for previous GA versions?

<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-web-community-8.0.25.0.msi)	8.0.25	2.4M	<a href="#">Download</a>
	MD5: 7f64b7ca2c526c359919d9db1bc8d669   <a href="#">Signature</a>		
<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-community-8.0.25.0.msi)	8.0.25	435.7M	<a href="#">Download</a>
	MD5: 0c64075a9cc4ec00cce35806761aafc9   <a href="#">Signature</a>		

 We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

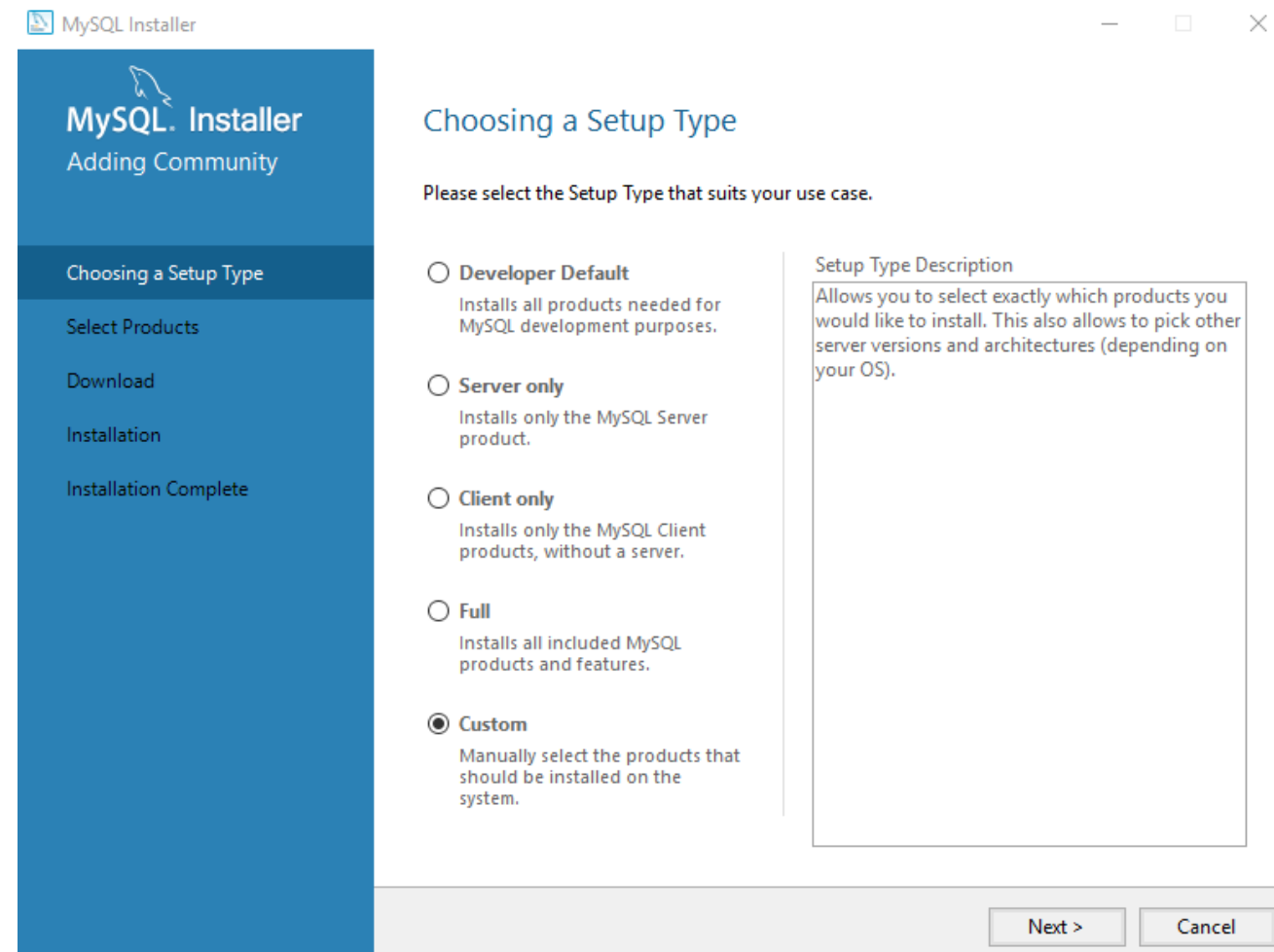
Visit the provided link to navigate to the mentioned page and download version 8.0.25 from - <https://dev.mysql.com/downloads/installer/>



# **Installing MySQL Workbench and Server**

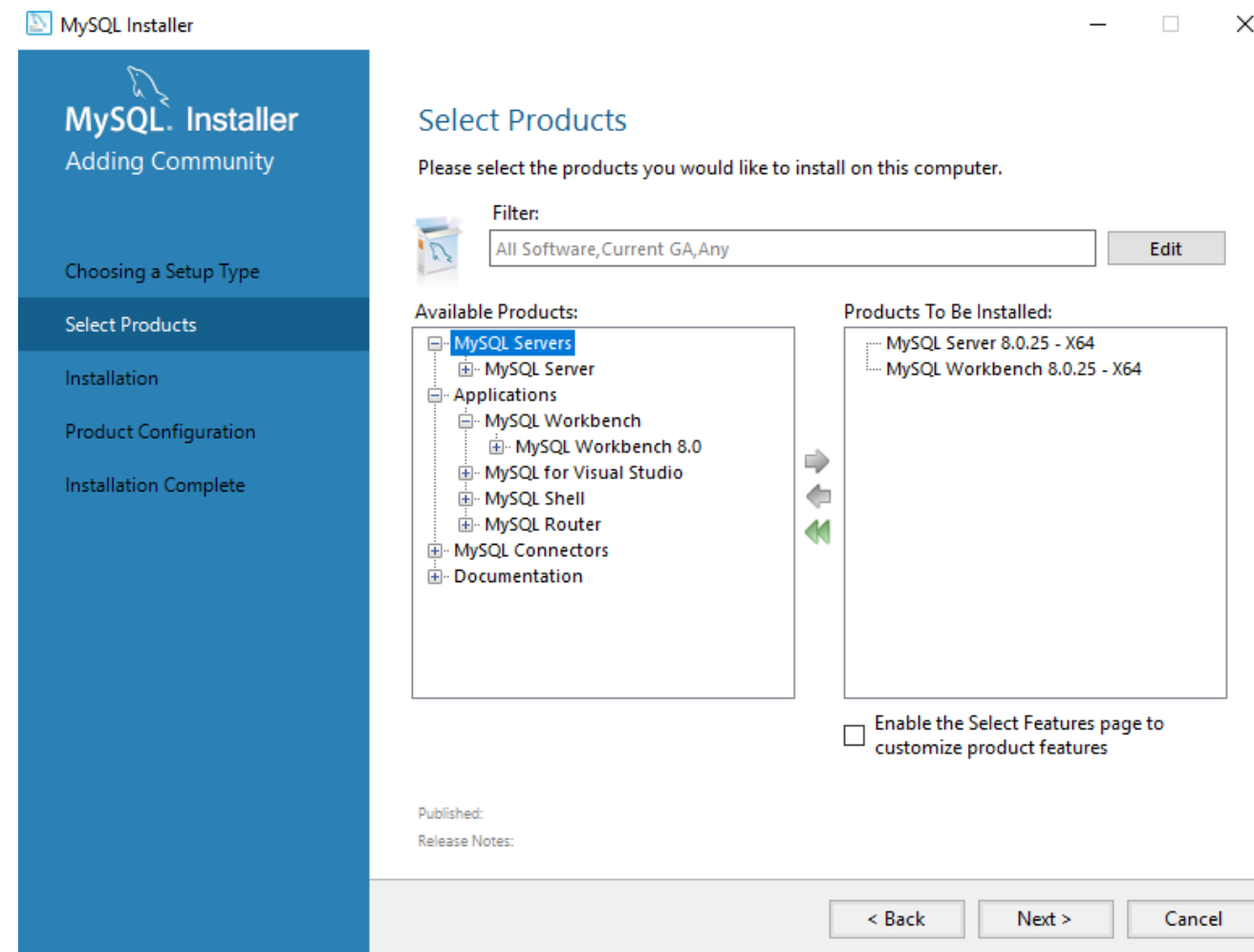
# MySQL Workbench and Server

In the **Choosing a Setup Type** screen, select **Custom** option to choose the features to be installed.



# MySQL Workbench and Server

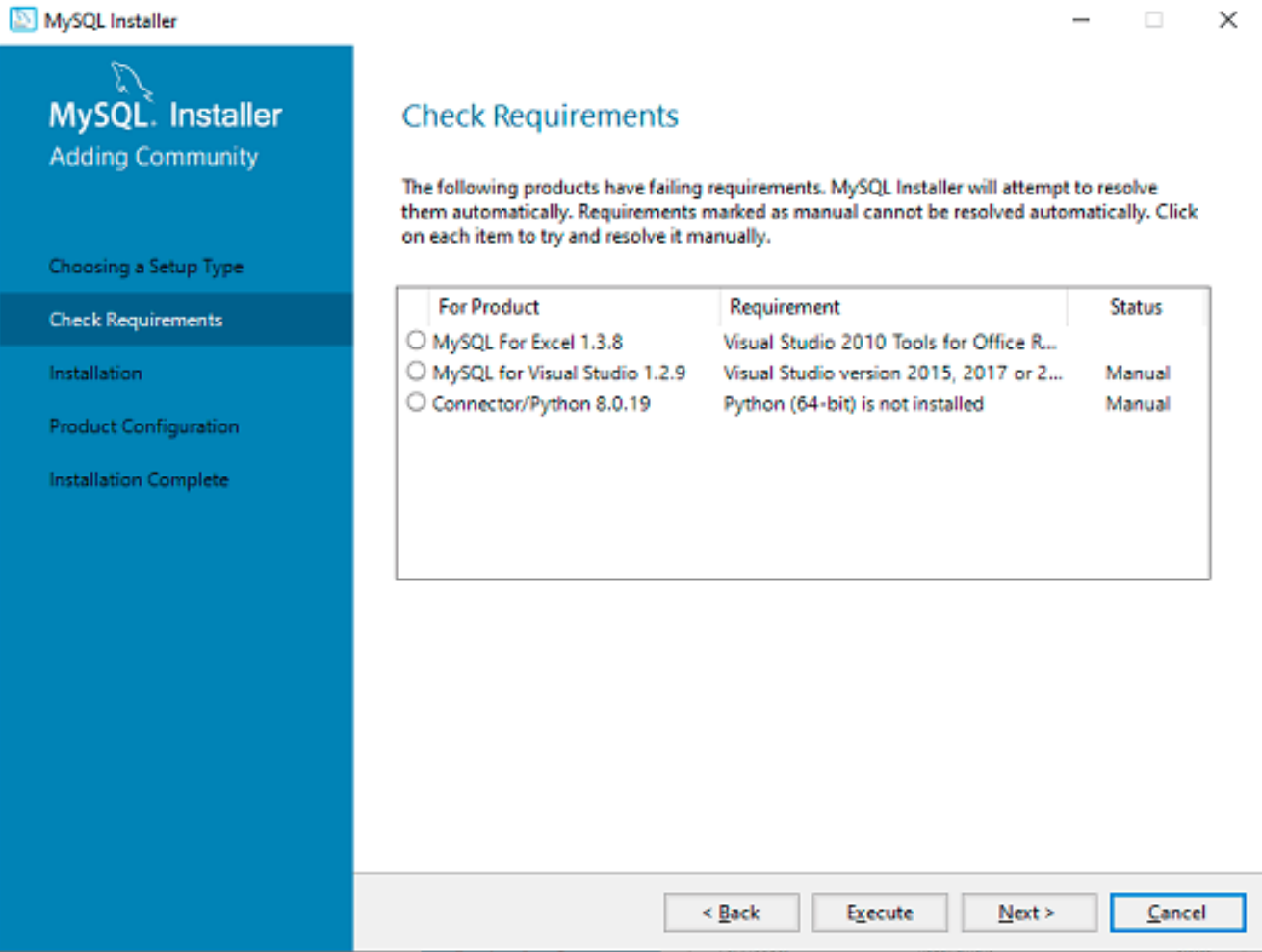
In the **Select Products and Features** screen, select the latest version of MySQL **Server** by expanding **MySQL Servers** and the latest version of **Workbench** by expanding **Applications**.





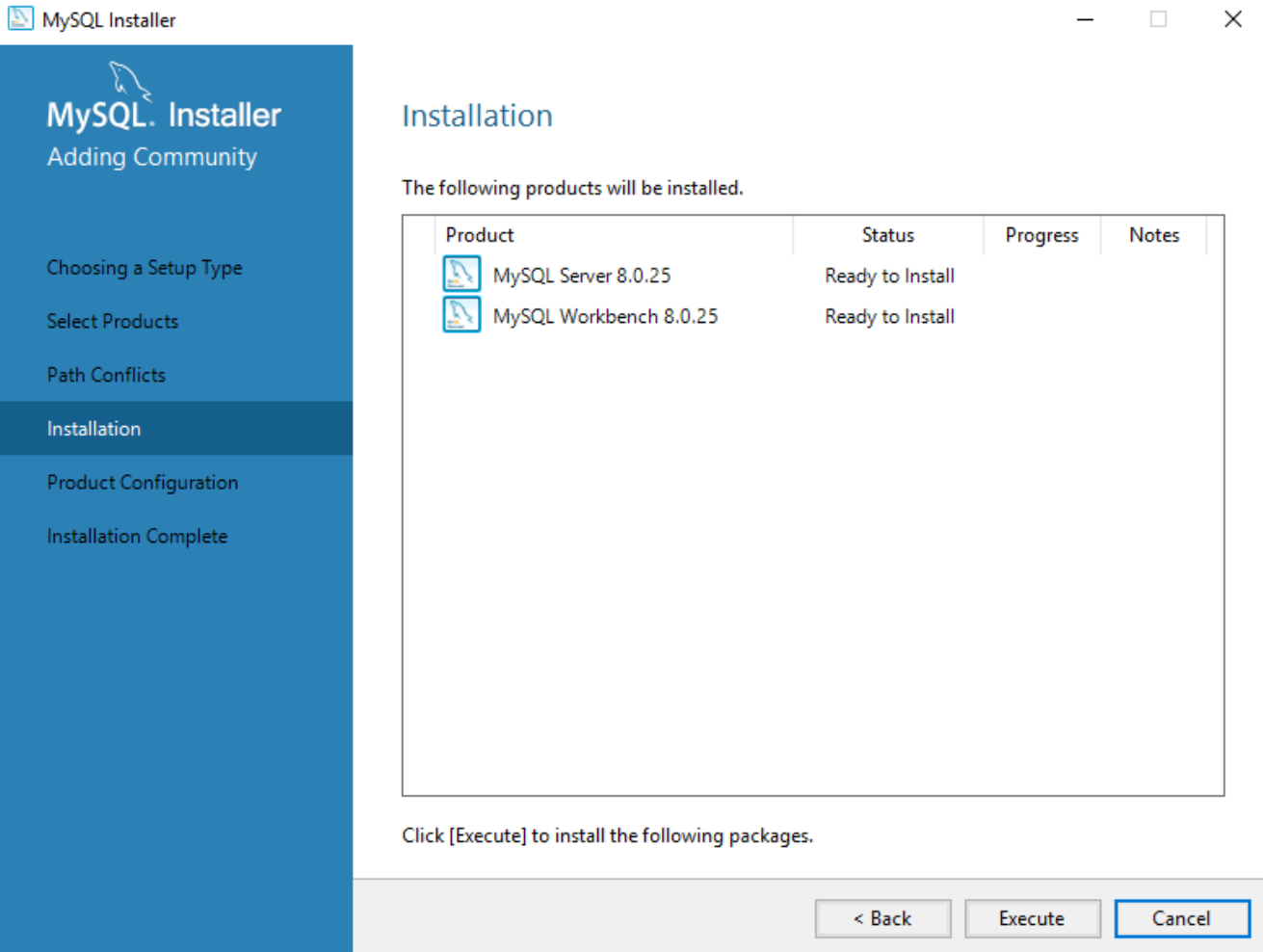
# MySQL Workbench and Server

In the **Check Requirements** screen, agree to install the requirements for the installation of the selected products.



# MySQL Workbench and Server

Now, click on **Execute** to begin the installation process of the **Workbench** and **Server**.



# MySQL Workbench and Server

Next, in the **Server Installation** window, continue with the default settings.

MySQL Installer

MySQL Server 8.0.25

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Apply 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 Computer

Connectivity

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

☒ TCP/IP

Port: 3306

X Protocol Port: 33060

☒ Open Windows Firewall ports for network access

☐ Named Pipe

Pipe Name: MYSQL

☐ Shared Memory

Memory Name: MYSQL

Advanced Configuration

Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.

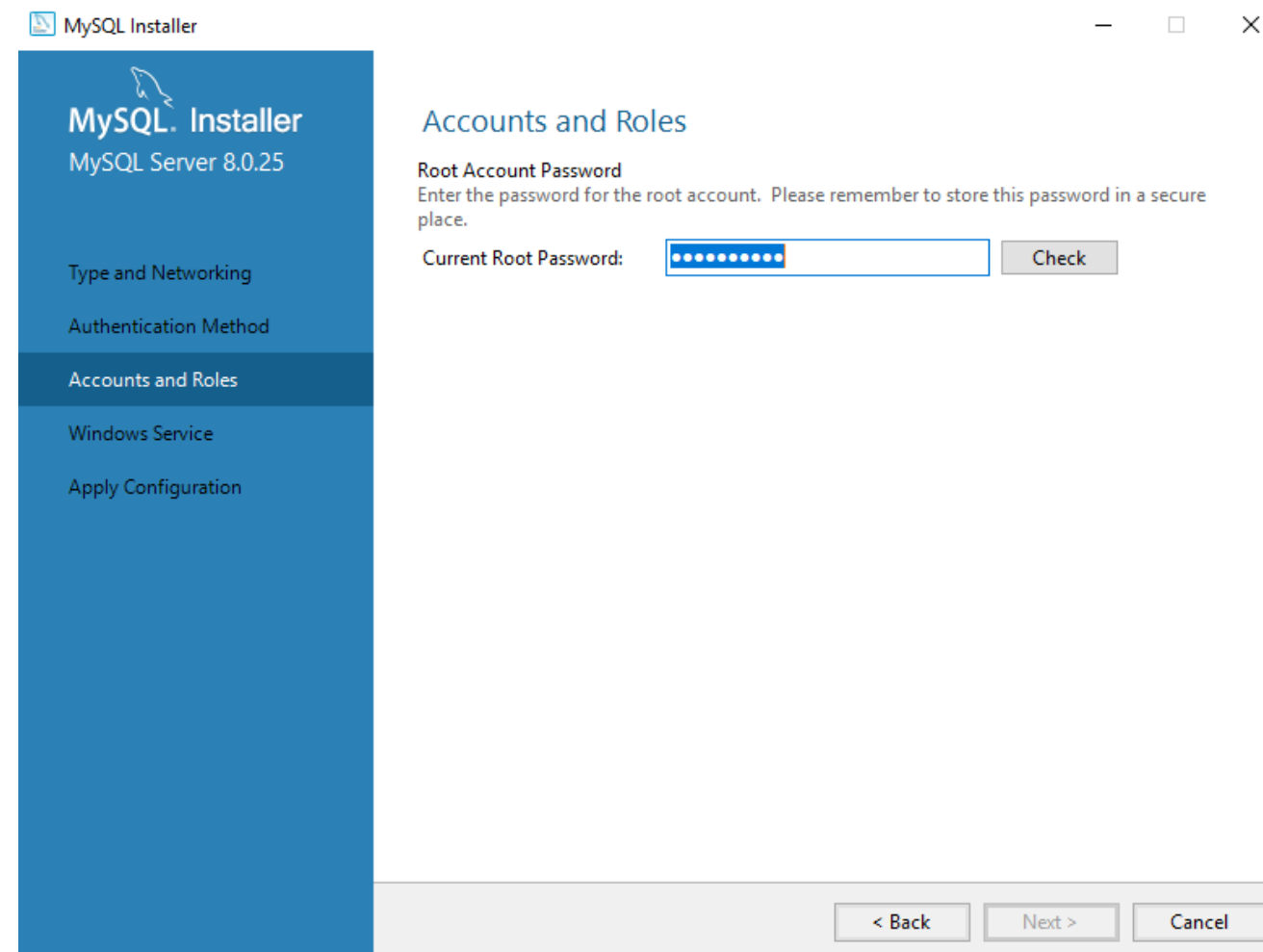
☐ Show Advanced and Logging Options

Next >

Cancel

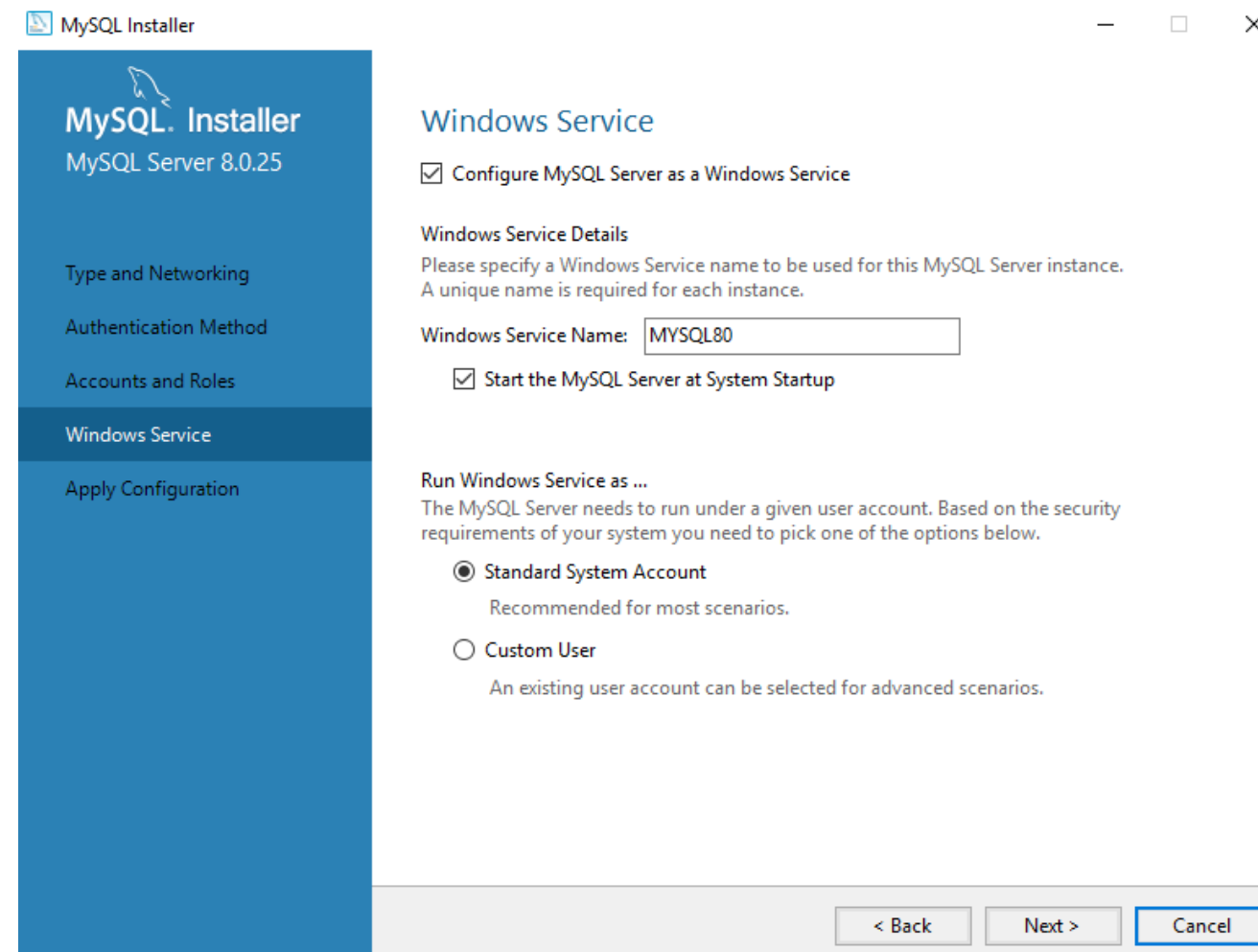
# MySQL Workbench and Server

In the **Accounts and Roles** screen, set the MySQL root account password.



# MySQL Workbench and Server

Continue with the default settings. In the **Windows Service** screen, make sure that you check the **Start MySQL Server at System Startup** checkbox.



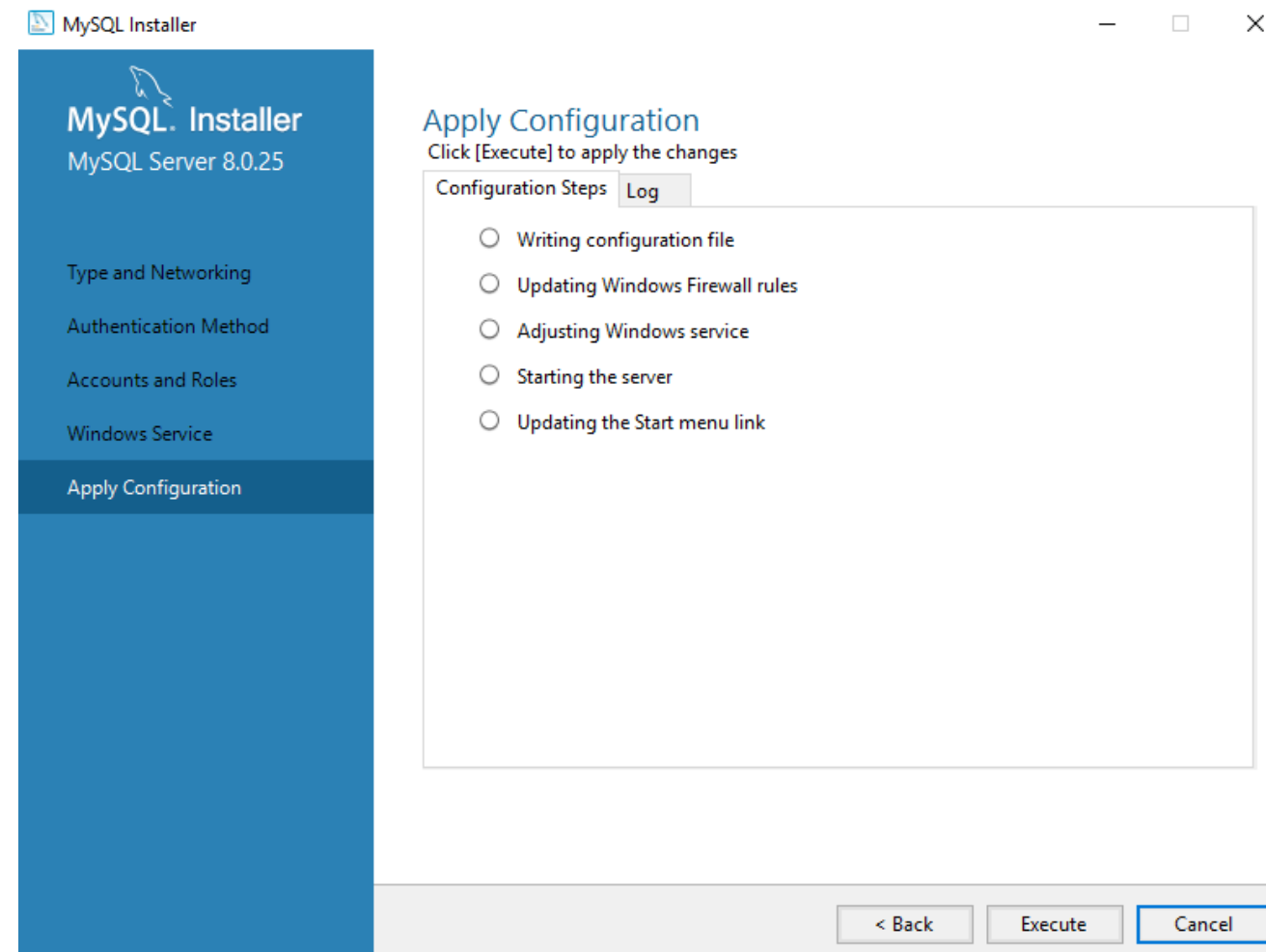
The screenshot shows the MySQL Installer window for MySQL Server 8.0.25. The left sidebar contains a list of configuration steps: Type and Networking, Authentication Method, Accounts and Roles, Windows Service (which is the active step), and Apply Configuration. The main area is titled 'Windows Service' and contains the following options:

- ☒ Configure MySQL Server as a Windows Service
- Windows Service Details**  
Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance.  
Windows Service Name:
- ☒ Start the MySQL Server at System Startup
- Run Windows Service as ...**  
The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.
  - ☒ Standard System Account  
Recommended for most scenarios.
  - ☐ Custom User  
An existing user account can be selected for advanced scenarios.

At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

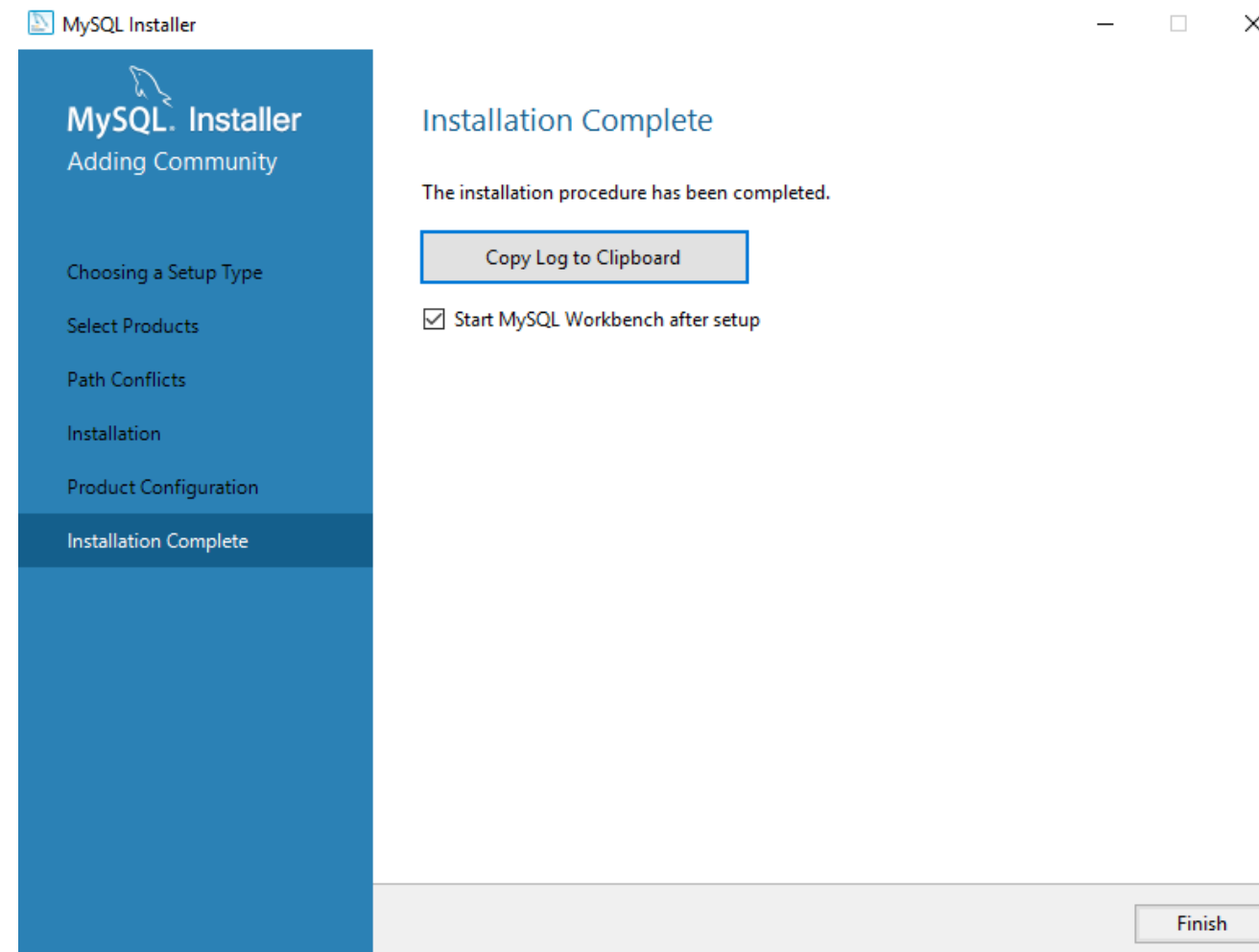
# MySQL Workbench and Server

Click **Execute** in the **Apply Configuration** screen to complete the installation process.



# MySQL Workbench and Server

Once you click **Finish**, the **MySQL Workbench** will automatically start.





## Connecting to MySQL Server



# MySQL Server

A connection with MySQL server will be automatically set up after the installation.

## MySQL Connections

labsuser (auto saved)

 labsuser

 127.0.0.1:3306

## Assisted Practice: Loading a Sample Database



**Duration:** 20 Mins

**Problem Statement:** You are required to download the given sample database file and load the same in the MySQL Workbench.

ASSISTED PRACTICE

# Assisted Practice: Loading a Sample Database



## Steps to be performed:

1. Download the sample database from the course resources section of the LMS.

Reference Materials

Datasets



Lesson-End Project Solutions



OSL Datasets



EBooks

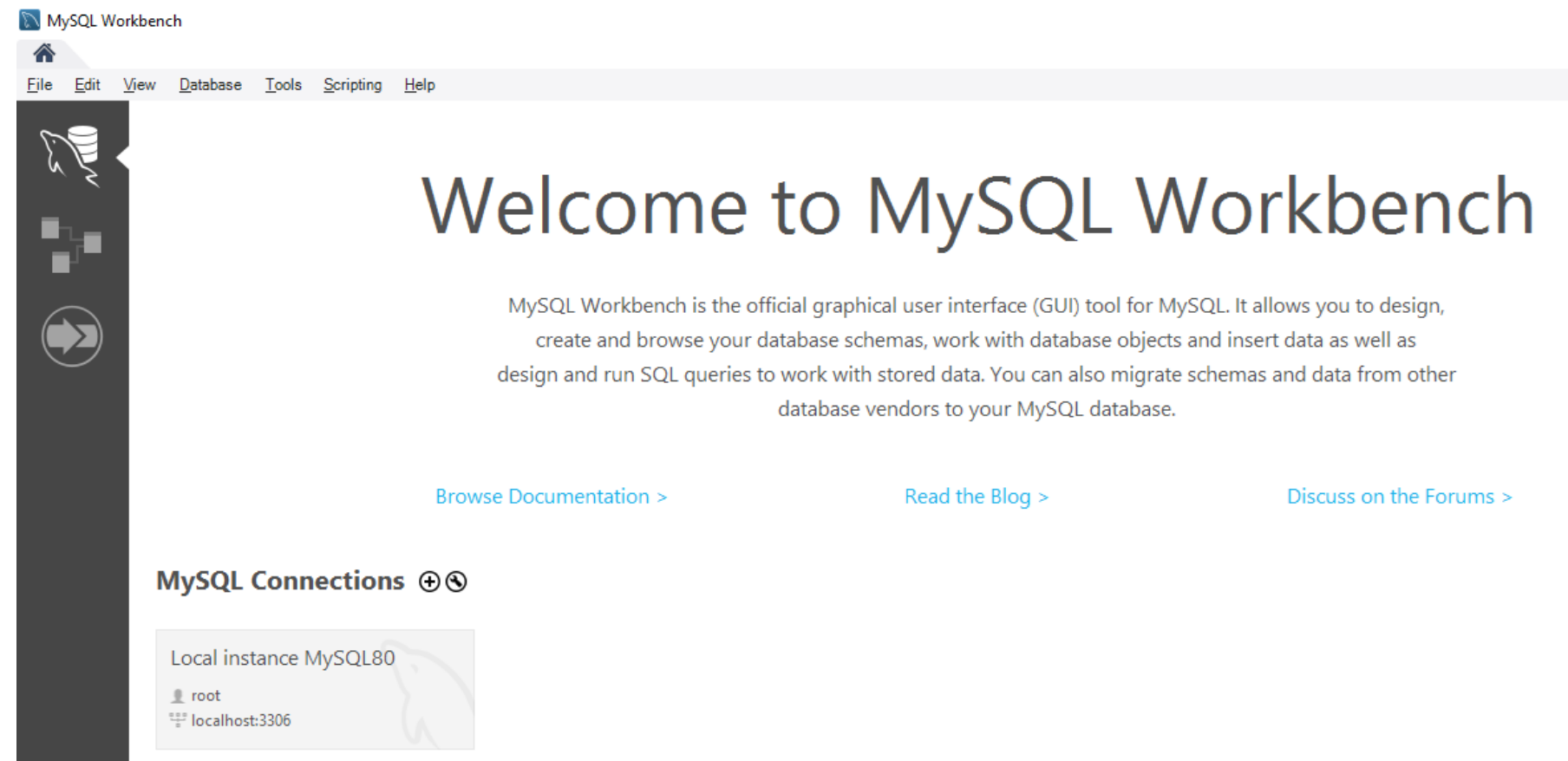


# Assisted Practice: Loading a Sample Database



## Steps to be performed:

2. Launch your MySQL Workbench.

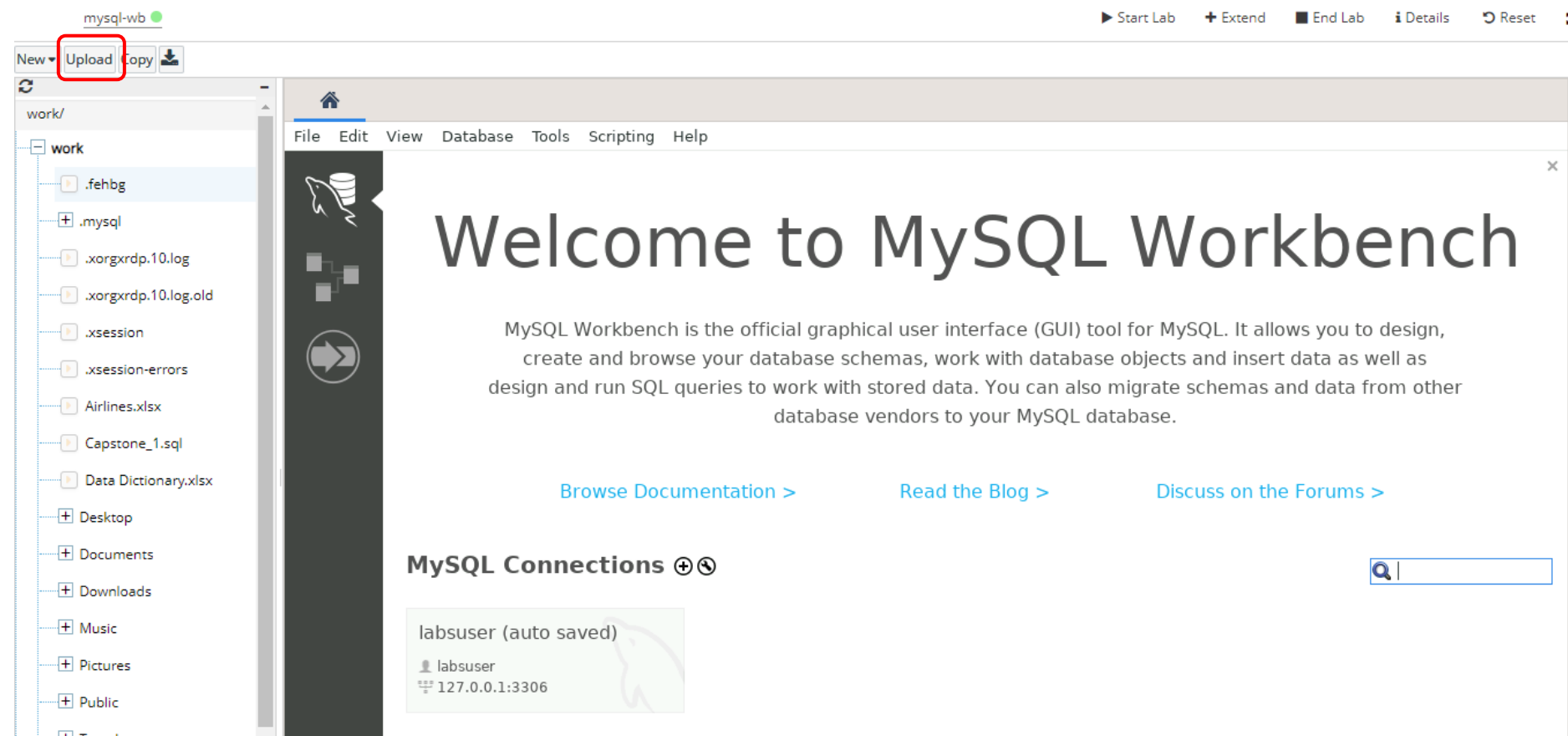


# Assisted Practice: Loading a Sample Database



## Steps to be performed:

3. Load Data into MySQL Lab Environment from local system

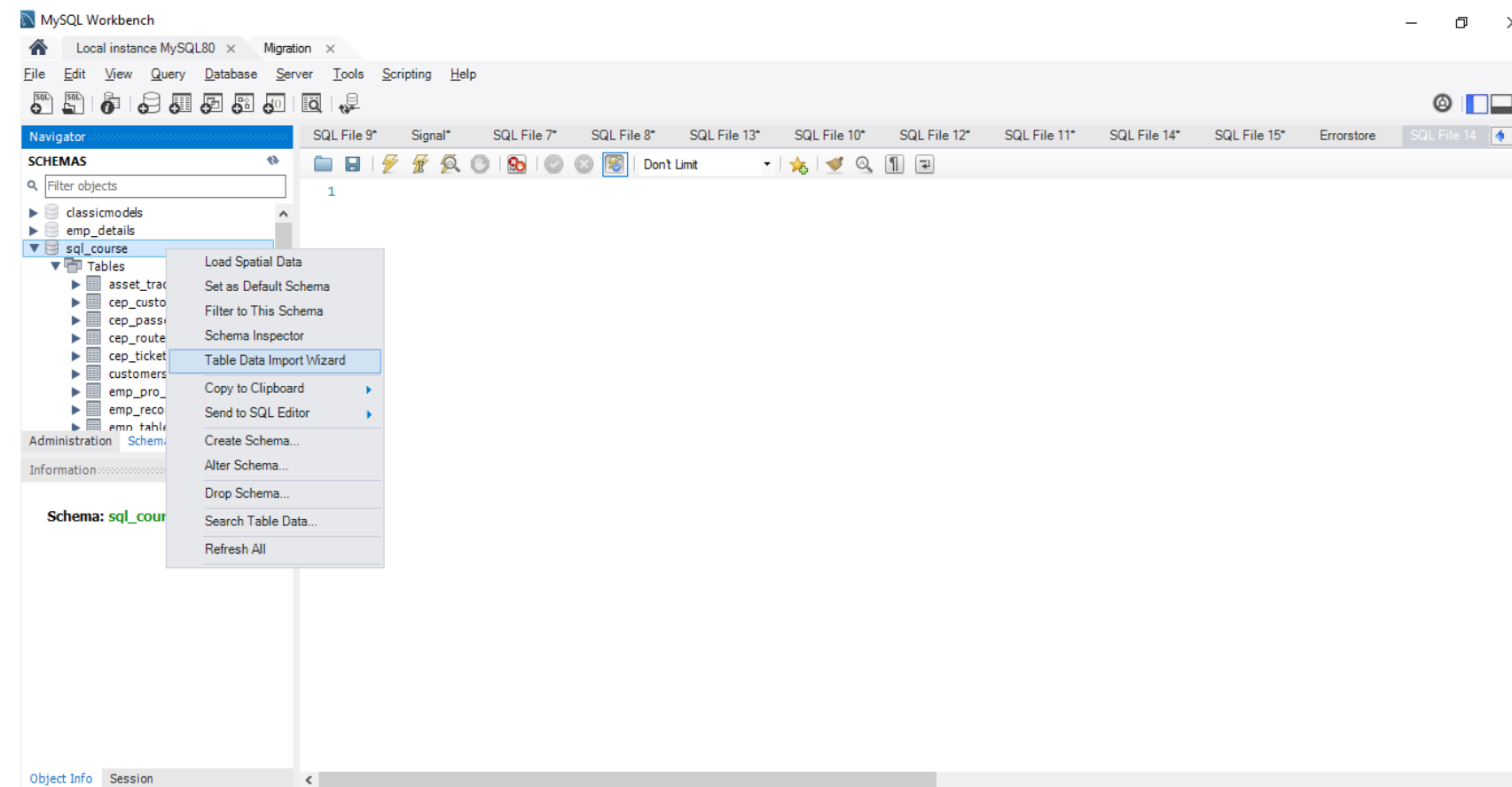


# Assisted Practice: Loading a Sample Database



## Steps to be performed:

4. Load the downloaded database.

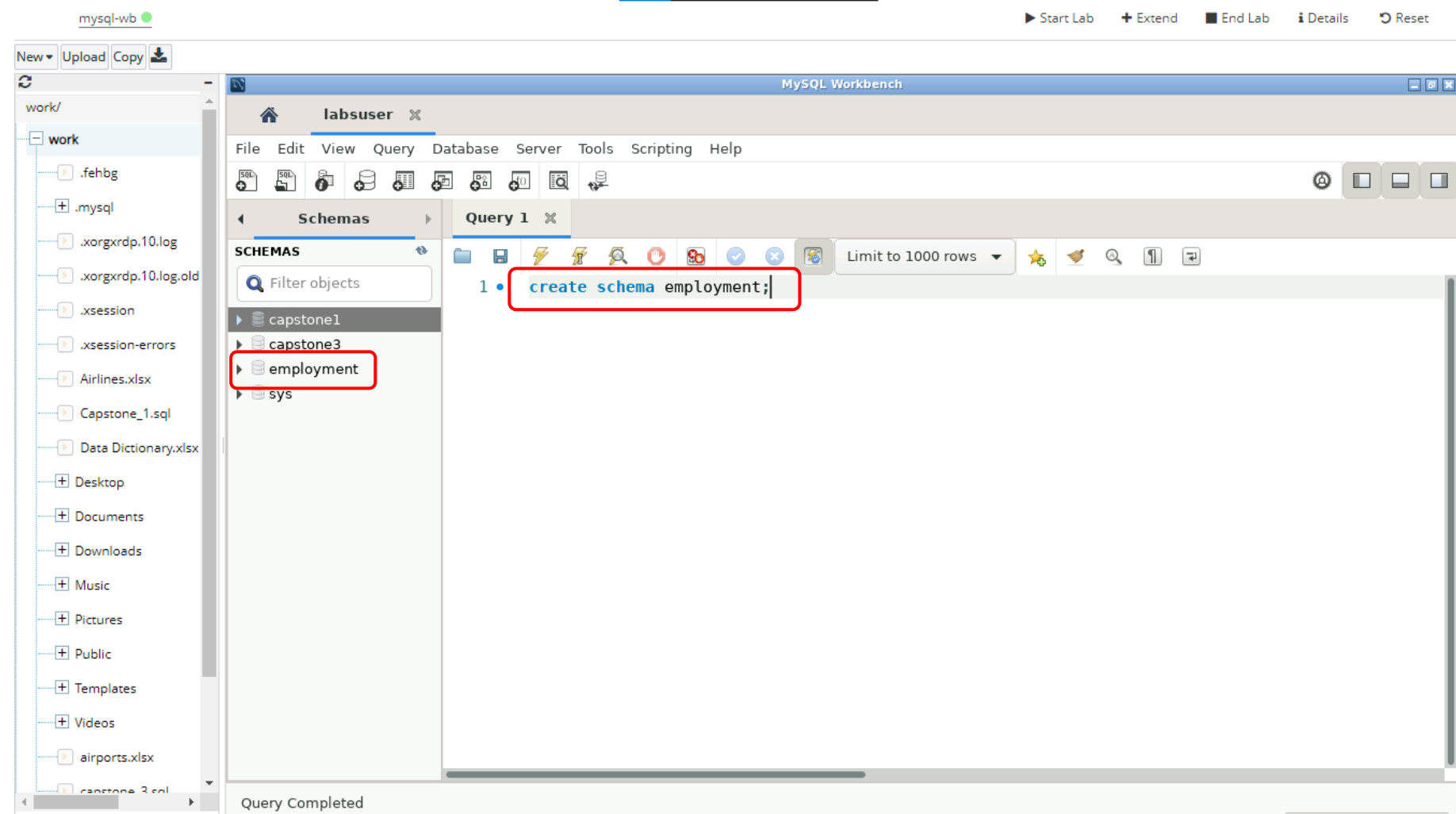


# Assisted Practice: Loading a Sample Database



## Steps to be performed:

5. Create a new Schema.



# Key Takeaways

- MySQL is an open-source database system.
- You can download either an online or offline installer.
- MySQL Workbench and Server are required to execute SQL commands.
- A MySQL Server connection is automatically created during installation.

