



CLASSROOM MANAGER

WINDOWS INSTALLATION GUIDE

MySQL

MySQL is the database used to hold student information, contact information, attendance logs, and configurations. This section outlines how to download, install, and configure MySQL.

Step 1: Download MySQL

Download and install MySQL Community Server from <https://dev.mysql.com/downloads/mysql/>. This program was created using MySQL Community Server 8.0.34 but you can choose the latest version. Select your version of choice, operating system, and preferred installer.

MySQL Community Downloads

MySQL Community Server


General Availability (GA) Releases Archives ⓘ

MySQL Community Server 8.1.0 Innovation

Select Version:
8.1.0 Innovation ▼

Select Operating System:
Microsoft Windows ▼

Windows (x86, 64-bit), MSI Installer (mysql-8.1.0-winx64.msi)	8.1.0	146.9M	Download
MD5: 453d729afa2697a7a79d067830e071a6 Signature			
Windows (x86, 64-bit), ZIP Archive (mysql-8.1.0-winx64.zip)	8.1.0	236.9M	Download
MD5: 40a977d01e565b1d751ca068c823ba16 Signature			
Windows (x86, 64-bit), ZIP Archive Debug Binaries & Test Suite (mysql-8.1.0-winx64-debug-test.zip)	8.1.0	676.3M	Download
MD5: ec71c02d9e6094e17dd764a2ee654fe0 Signature			

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

This example uses the following choices: Version: 8.1.0; Operating system: Windows; Method of installation: MSI Installer

You will then be asked to log in or create an account. If you choose to continue the download without an account, click “**No thanks, just start my download**” on the bottom of the screen.

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

Login »

using my Oracle Web account

Sign Up »

for an Oracle Web account

MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can signup for a free account by clicking the Sign Up link and following the instructions.

[No thanks, just start my download.](#)

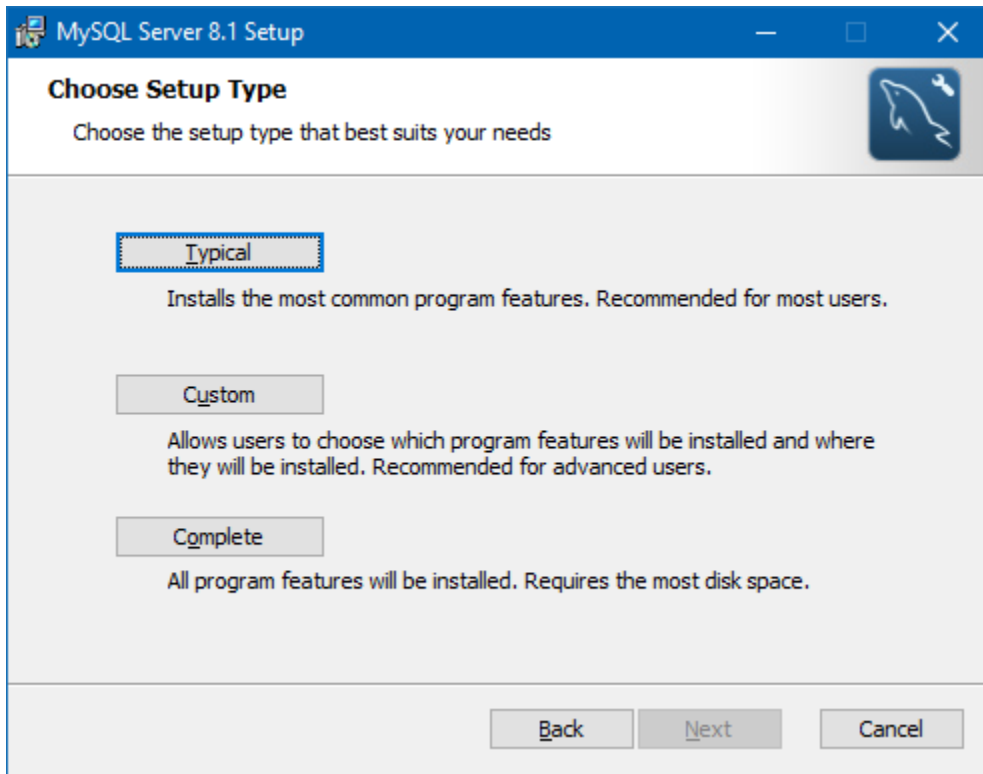
ORACLE © 2023 Oracle

Step 2: Launch the MySQL Server Setup Wizard

Make sure you are logged in as an Administrator as this step requires the installer to make changes to your computer. Open the file you downloaded in Step 1.

On the welcome screen, click Next.

On the End-User License Agreement screen, check “I accept the terms in the License Agreement” and click Next.



On the Choose Setup Type screen, click Typical then click Next.

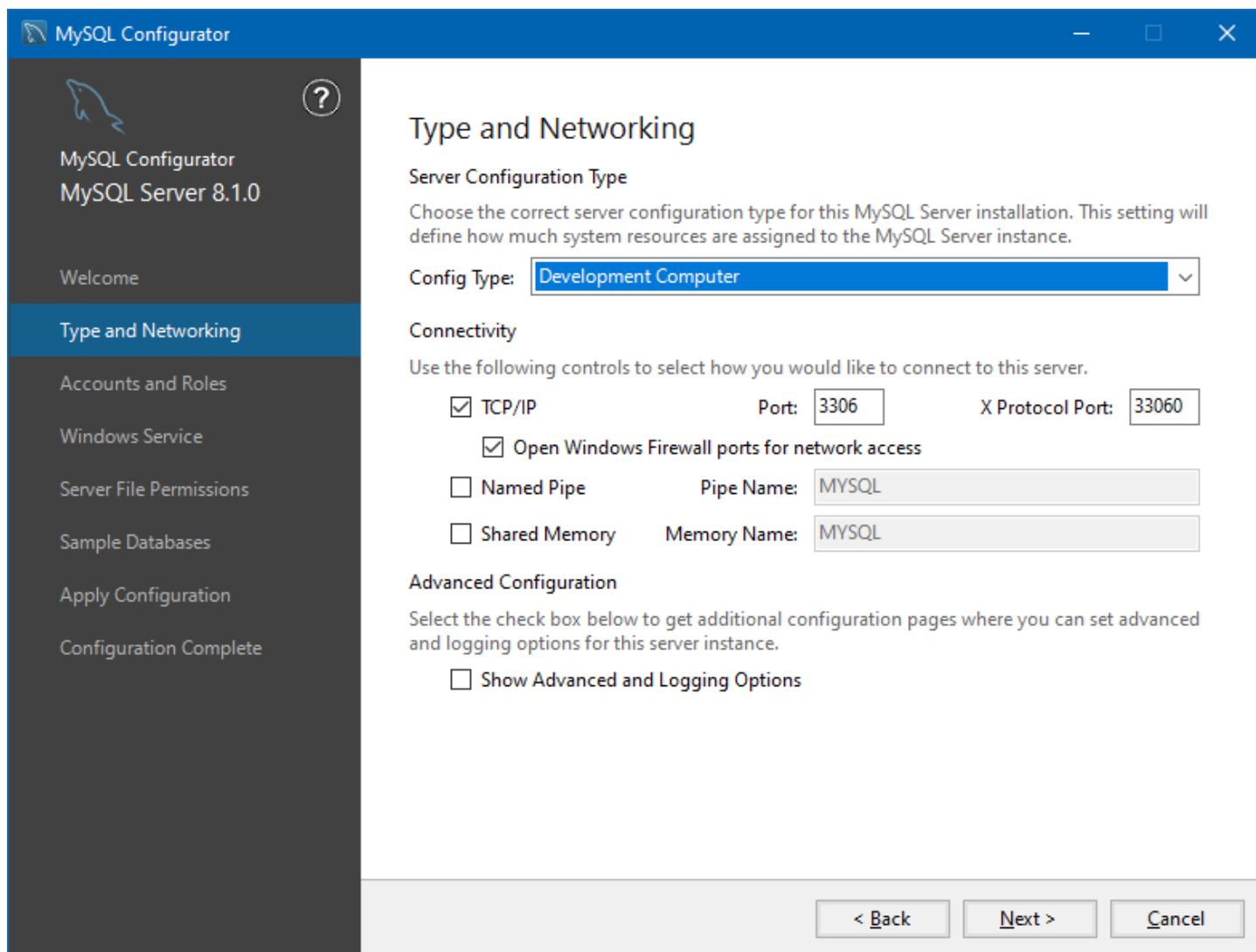
Click Install on the next screen.

Once the Wizard is complete, check “Run MySQL Configurator” and click Finish.

Step 3: Configure MySQL

Now that MySQL is installed, it needs to be configured.

On the welcome screen , click Next >.



The screenshot shows the MySQL Configurator window for MySQL Server 8.1.0. The left sidebar contains a navigation menu with the following items: Welcome, Type and Networking (highlighted), Accounts and Roles, Windows Service, Server File Permissions, Sample Databases, Apply Configuration, and Configuration Complete. The main area is titled 'Type and Networking' and contains the following sections:

- Server Configuration Type:** A text box explaining that this setting defines how system resources are assigned to the MySQL Server instance.
- Config Type:** A dropdown menu currently set to 'Development Computer'.
- Connectivity:** A section with the instruction 'Use the following controls to select how you would like to connect to this server.' It includes:
 - ☒ 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:** A section with the instruction 'Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.' It includes:
 - ☐ Show Advanced and Logging Options.

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

In the Type and Networking screen, the defaults can be used, as shown in this figure.

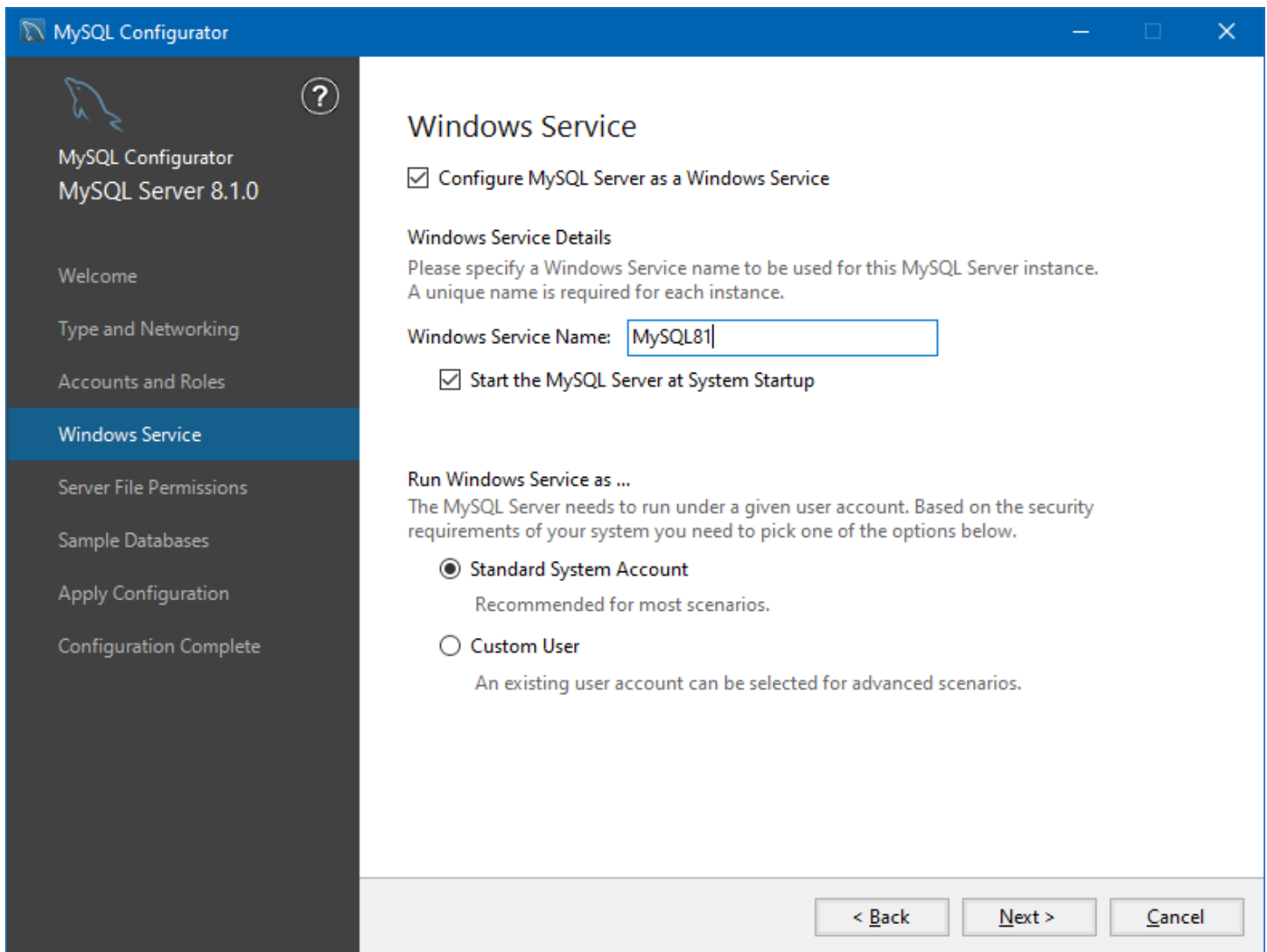
In the Accounts and Roles screen, choose a password for the root (primary admin) user of the database. If additional users are needed, they can be added using the Add User button. **Keep this password in a safe place and do not forget it.**

Open **credentials.properties** in this USB. Change *ENTER_PASSWORD_HERE* to the root password for MySQL.



The screenshot shows a Notepad window titled 'credentials.properties - Notepad'. The menu bar includes File, Edit, Format, View, and Help. The text content of the file is:

```
user=root
pass=ENTER_PASSWORD_HERE
```



On the Windows Service screen of the MySQL setup, the default settings can be kept.

In the Server File Permissions screen, the first option can be chosen (“Yes, grant full access to the user running the Windows Service (if applicable) and the administrators group only. Other users and groups will not have access.”). However, this assumes the computer that the program is running on is only accessed by trusted persons. Keep in mind this database will contain student name and contact information.

In the next window, the Sample Databases are not needed. Leave them unchecked and click Next >.

In the Apply Configuration screen, click Execute. Once it is complete, click Next >.

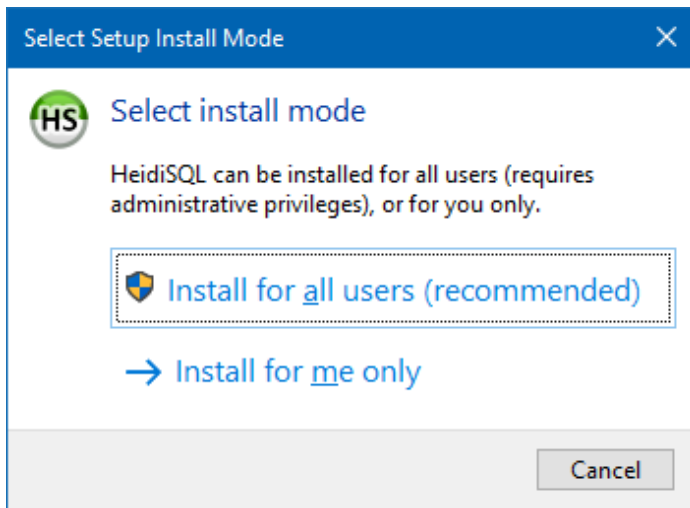
Click Finish once the configuration is complete.

HeidiSQL

HeidiSQL is a user interface used to access the MySQL database. If you prefer MySQL Workbench and are familiar with the process to install it, this section can be skipped. However, the rest of this guide will use HeidiSQL for importing the database.

Step 1: Download and Install HeidiSQL

Download the latest version of HeidiSQL (<https://www.heidisql.com/download.php>).

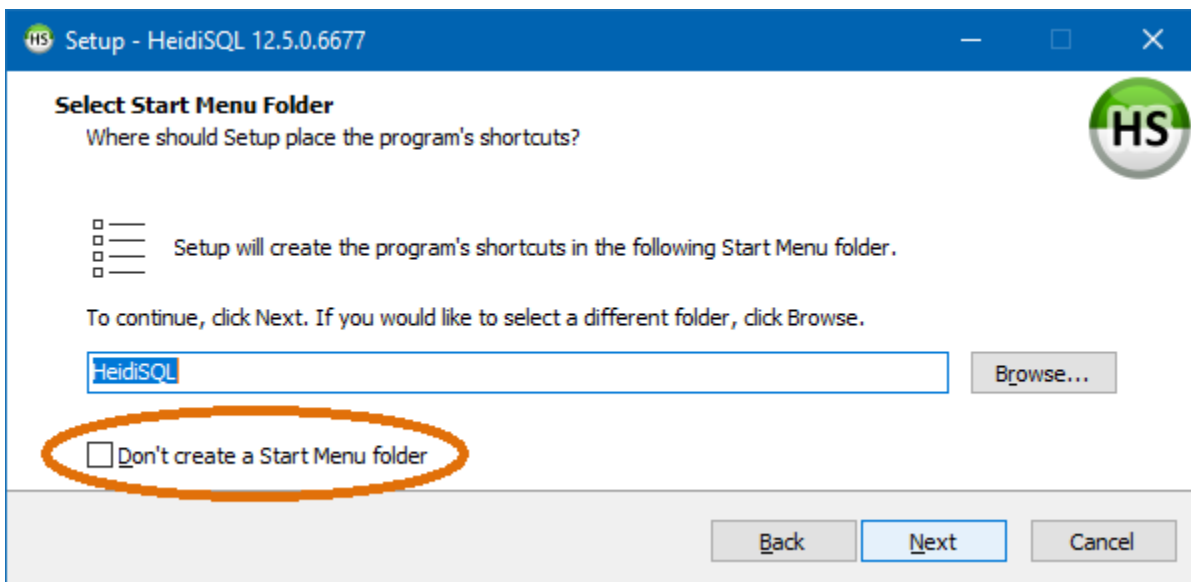


Open the downloaded .exe file and choose who to install HeidiSQL for.

- If the program will be used on multiple accounts, choose “Install for all users (recommend)”.
- If the program will only be used on one account, choose “Install for me only”.

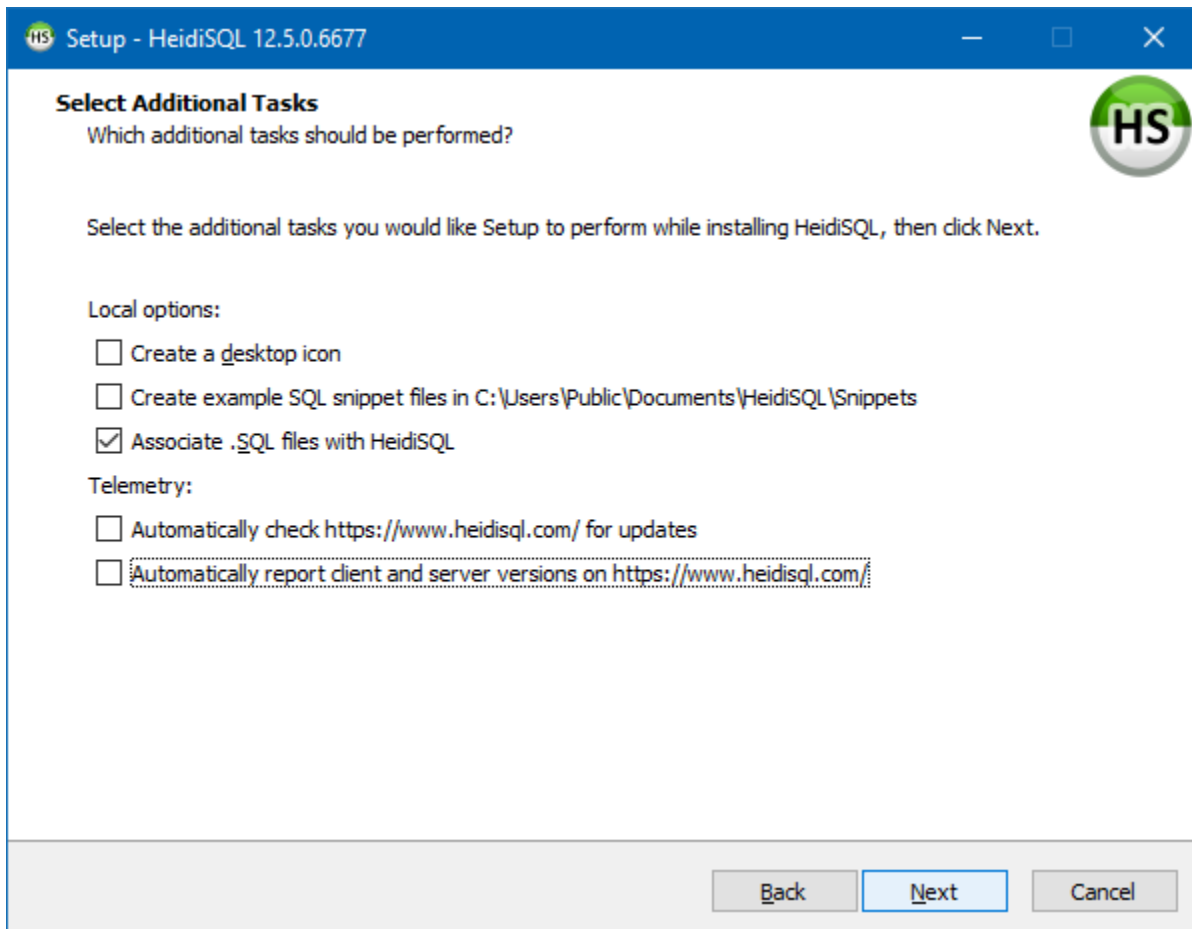
Accept the License Agreement and click Next.

Choose the folder destination where HeidiSQL will be installed and click Next.



A Start Menu folder is not required, but is optional.

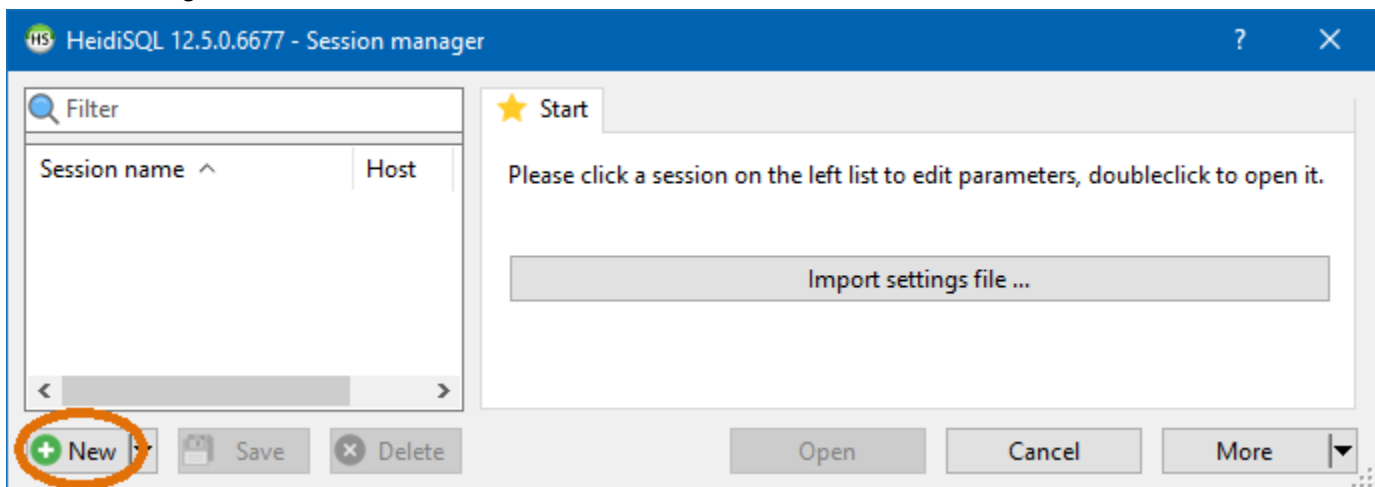
The following items can be checked off in **Select Additional Tasks**:



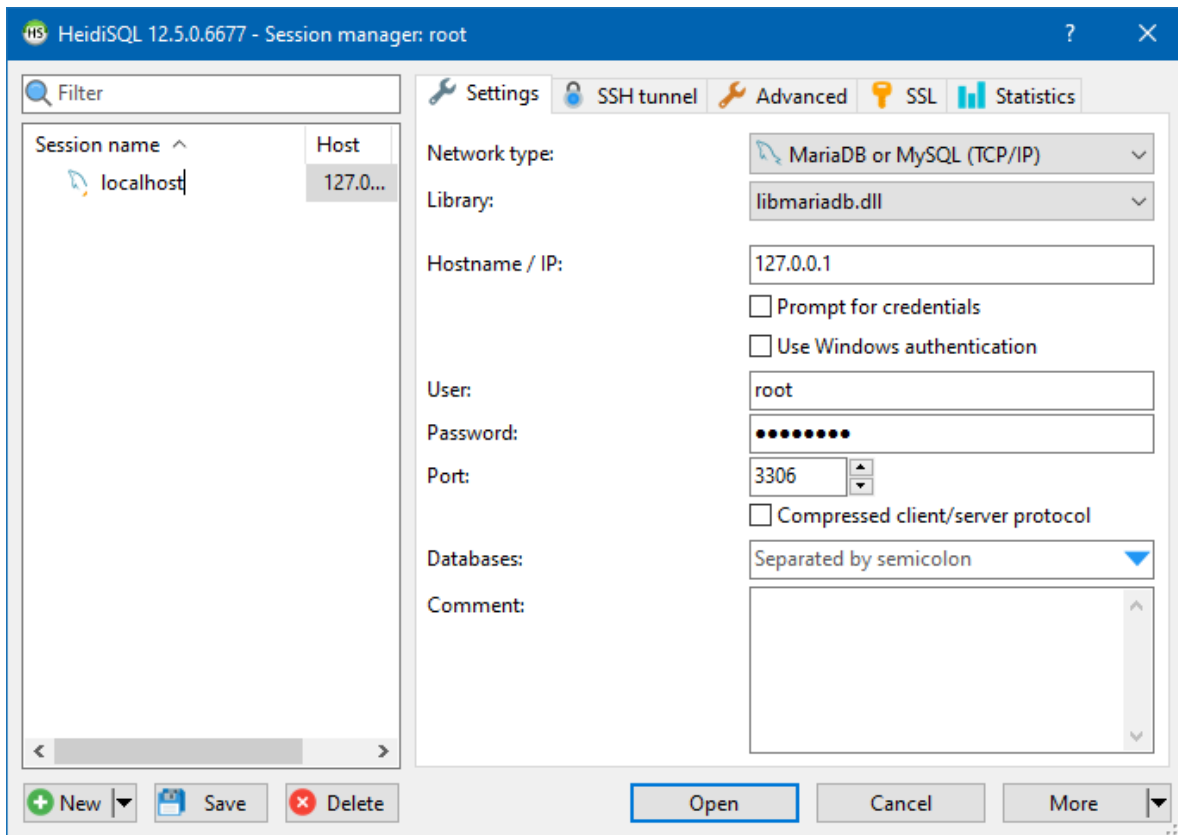
Click Install and then launch HeidiSQL.

Step 2: Set up the database.

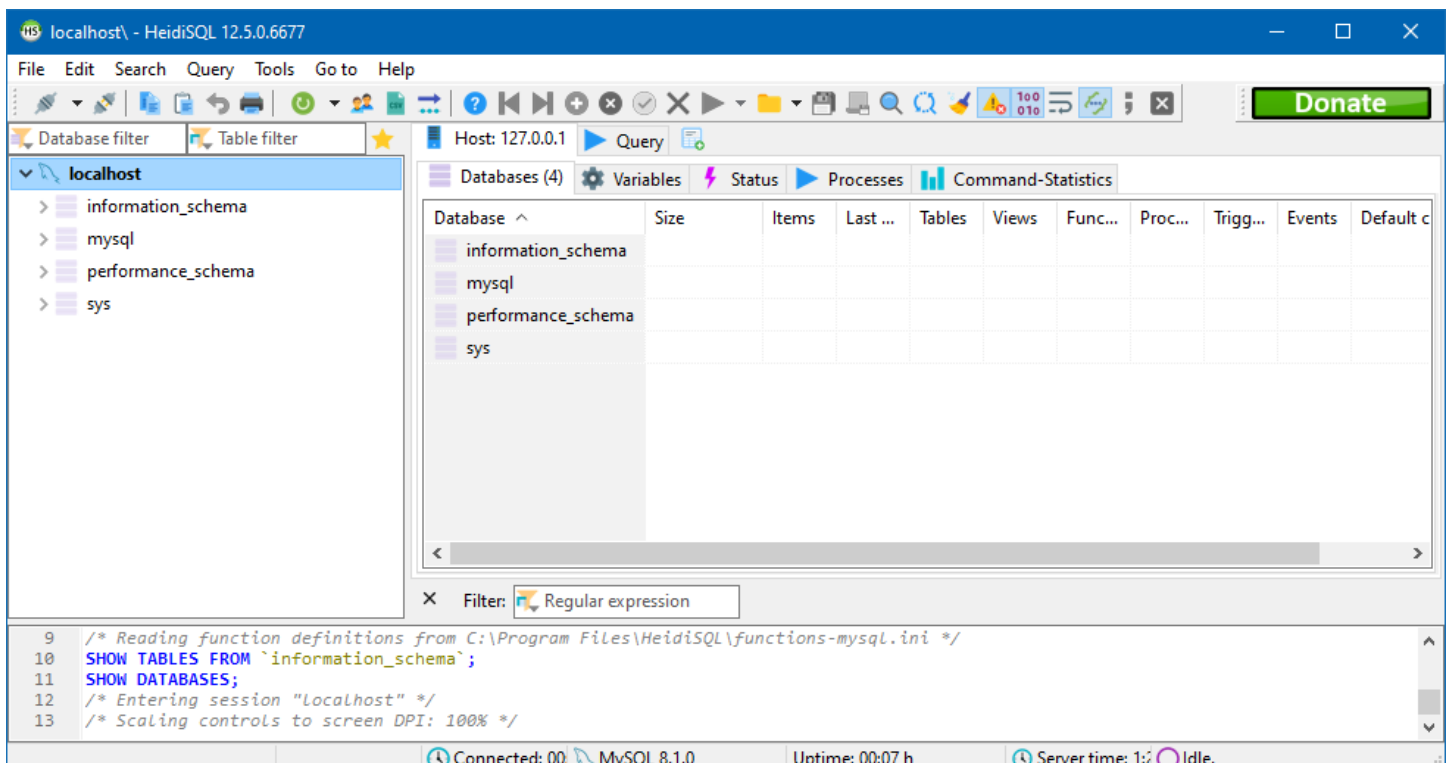
After launching HeidiSQL, click **New**.



Enter the following settings. Enter the root user credentials from the MySQL installation.



Click **Open**. In the next window, click **File > Run SQL File** and choose **_install/kumon_db.sql** from this USB drive.



Java

Java is the language that the program is written in. It must be installed in order to run ClassroomManager. Go to <https://www.oracle.com/java/technologies/downloads/#jdk20> to download Java 20.

Java downloadsTools and resourcesJava archive

JDK 20JDK 17GraalVM for JDK 20GraalVM for JDK 17

JDK Development Kit 20.0.2 downloads

JDK 20 binaries are free to use in production and free to redistribute, at no cost, under the [Oracle No-Fee Terms and Conditions](#).

JDK 20 will receive updates under these terms, until September 2023 when it will be superseded by JDK 21.

LinuxmacOSWindows

Product/file description	File size	Download
x64 Compressed Archive	180.99 MB	https://download.oracle.com/java/20/latest/jdk-20_windows-x64_bin.zip (sha256)
x64 Installer	160.12 MB	https://download.oracle.com/java/20/latest/jdk-20_windows-x64_bin.exe (sha256)
x64 MSI Installer	158.90 MB	https://download.oracle.com/java/20/latest/jdk-20_windows-x64_bin.msi (sha256)

Documentation Download

Release information

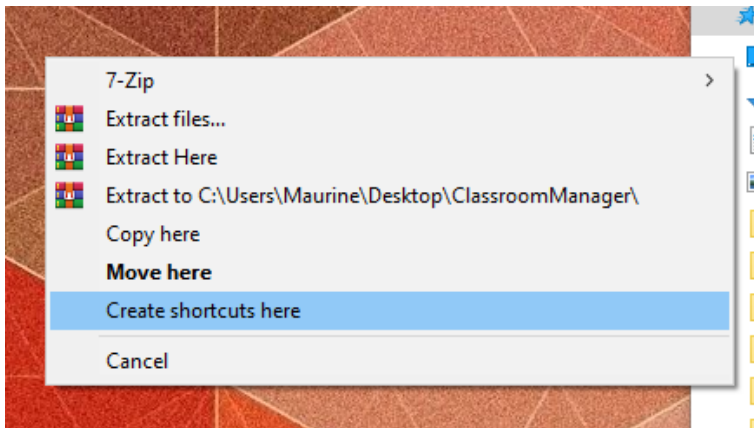
- [Online Documentation](#)
- [Installation Instructions](#)
- [Release Notes](#)

https://download.oracle.com/java/20/latest/jdk-20_windows-x64_bin.exe

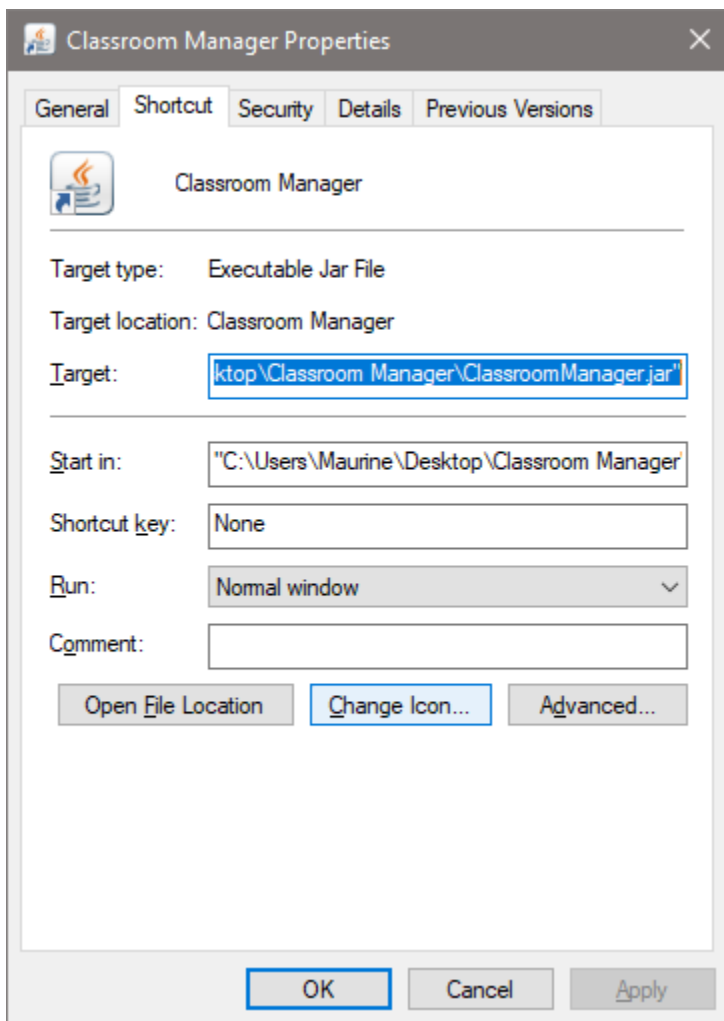
Click on the link beside the x64 installer to download it. Once finished, open the .exe file and follow the prompts to install Java 20.

Final Touches

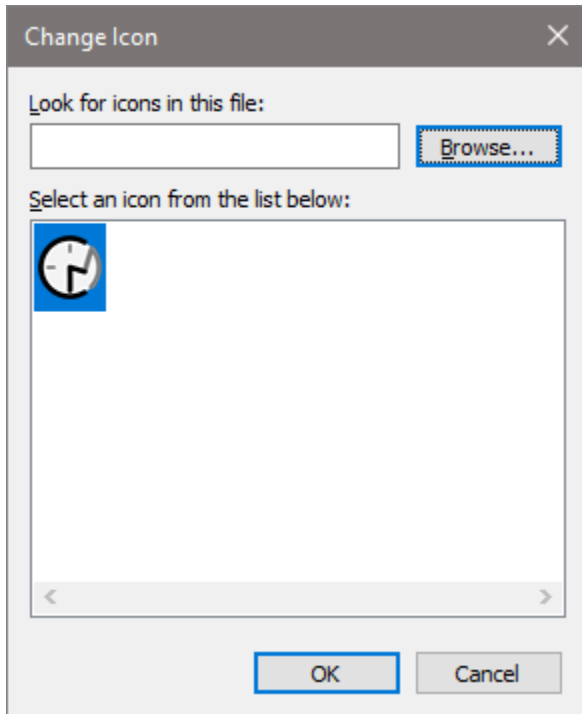
Classroom Manager can now be run! Right-click **ClassroomManager.jar**, drag it to the Desktop, and select **Create shortcuts here**.



Rename the shortcut then right-click it and select **Properties**.



In the **Shortcut** tab, click the **Change Icon...** button. Browse to the USB directory and choose **_install/ICON256.ico**.



Click "OK" on both the Change Icon screen and the Properties screen.