Installing MySQL on Windows

Contents

Overview

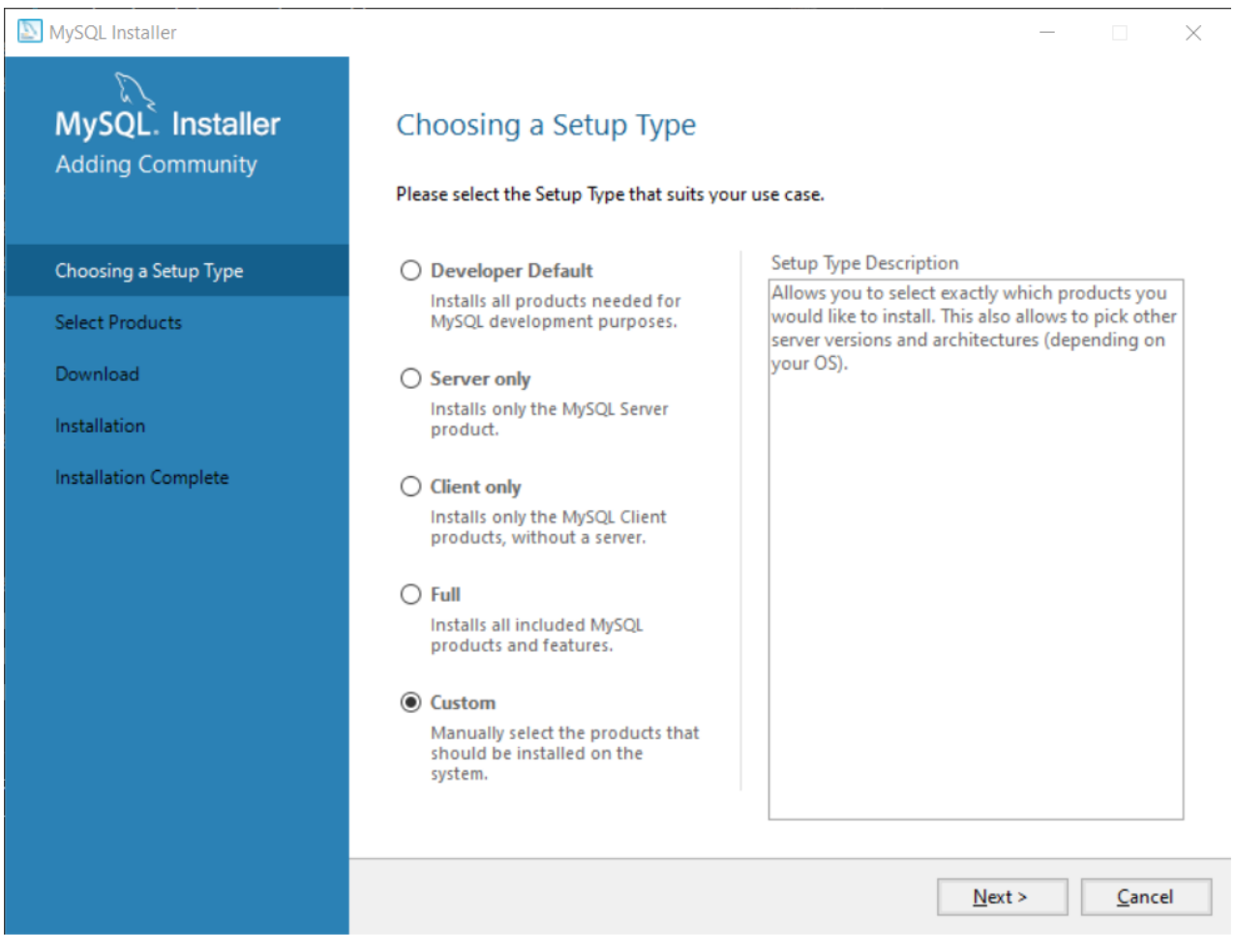
MySQL Community Server is a command-line interface (CLI) for facilitating the management of SQL in a relational database, and is available for both Windows and UNIX-based systems such as macOS and Ubuntu.

For the purposes of this course, we will be installing version 8 of the Server onto a Windows 64-bit machine.

Tutorial

Initial Setup

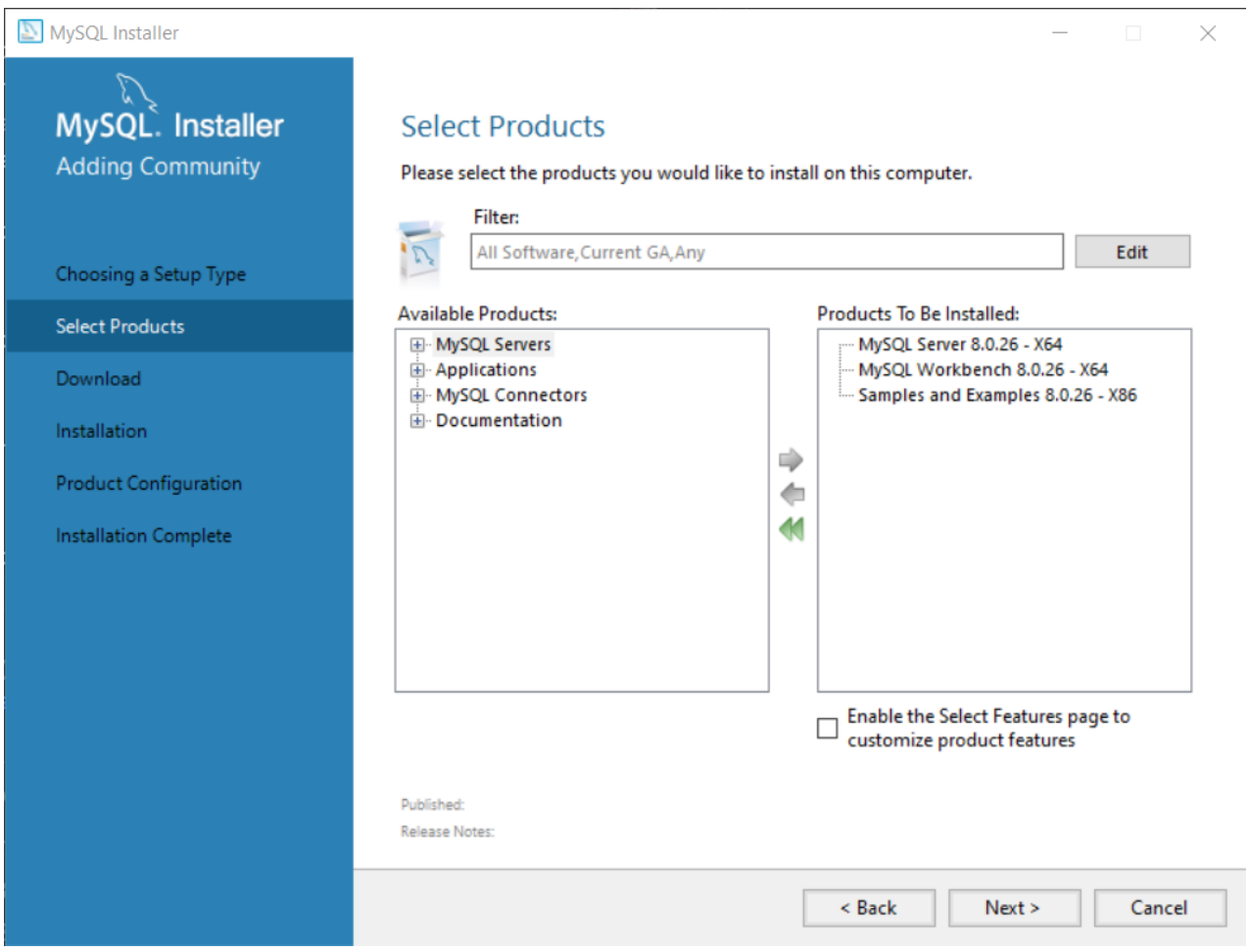
1. Download the installer. (You don't need an account for this)
2. Run the installer. (Click it in the browser or double-click the file in your downloads folder)
3. At this point you may be see pop-ups asking to allow the installer to change your system - click ok/accept on these.
4. Once the installer is running you should see a screen asking you to choose a **Setup Type**; choose **Custom** and click **Next**.



5. Now you need to select what software is installed. You will need to select:

- The newest **MySQL Server** from **MySQL Servers**.
- The newest **MySQL Workbench** from **Applications**.

- The newest **Samples and Examples** from **Documentation**.



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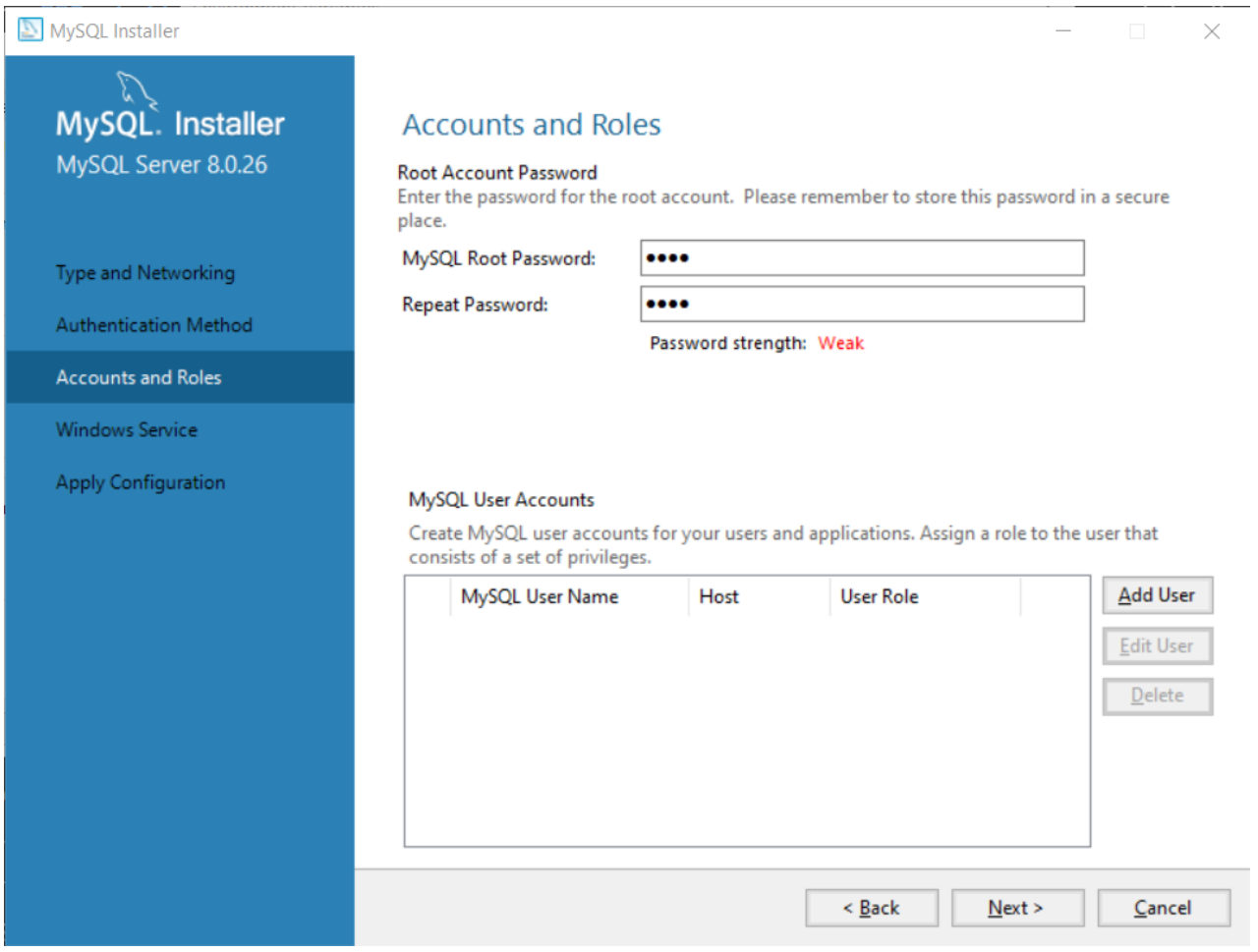
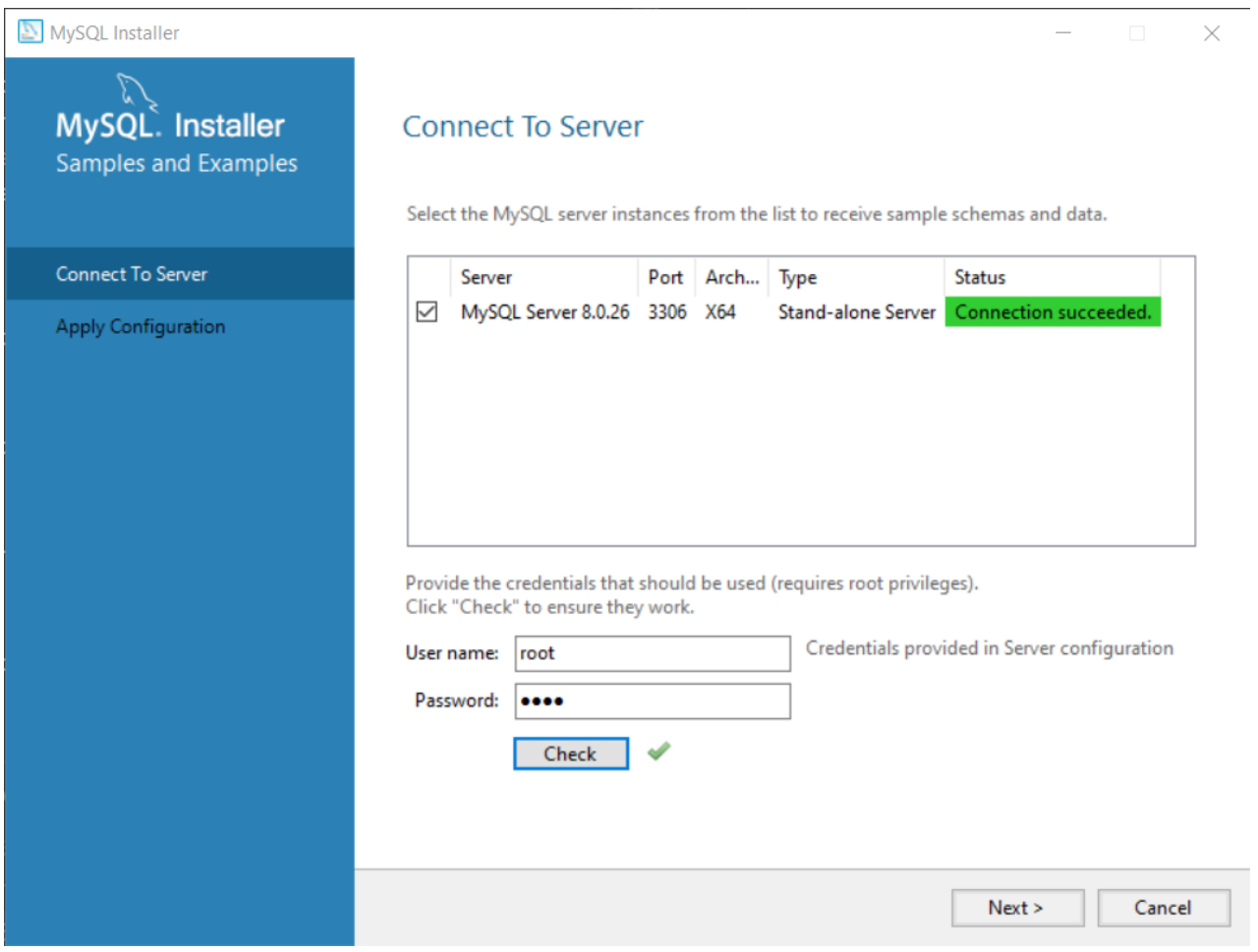
6. Once these are selected, click **Next**.
7. You should now be on the **Download** page; click **Execute**. It should take a few moments for it all to be downloaded to your machine.
8. Once the downloads are finished, click **Next**.
9. You should now be on the **Installation** page; click **Execute**. It should take a few moments for the installation to finish.
10. Once the installation is finished, click **Next**.
11. You should now be on the **Product Configuration** page, click **Next**.
12. You should now be on the **Type and Networking** page, click **Next**.
13. You should now be on the **Authentication Method** page, click **Next**.
14. You should now be on the **Accounts and Roles** page. Enter a password for the `root` (admin) account into the two password fields. (Use something easy to remember like `pass` or `root` because if you forget it you're going to have to re-install MySQL) Then, click **Next**.



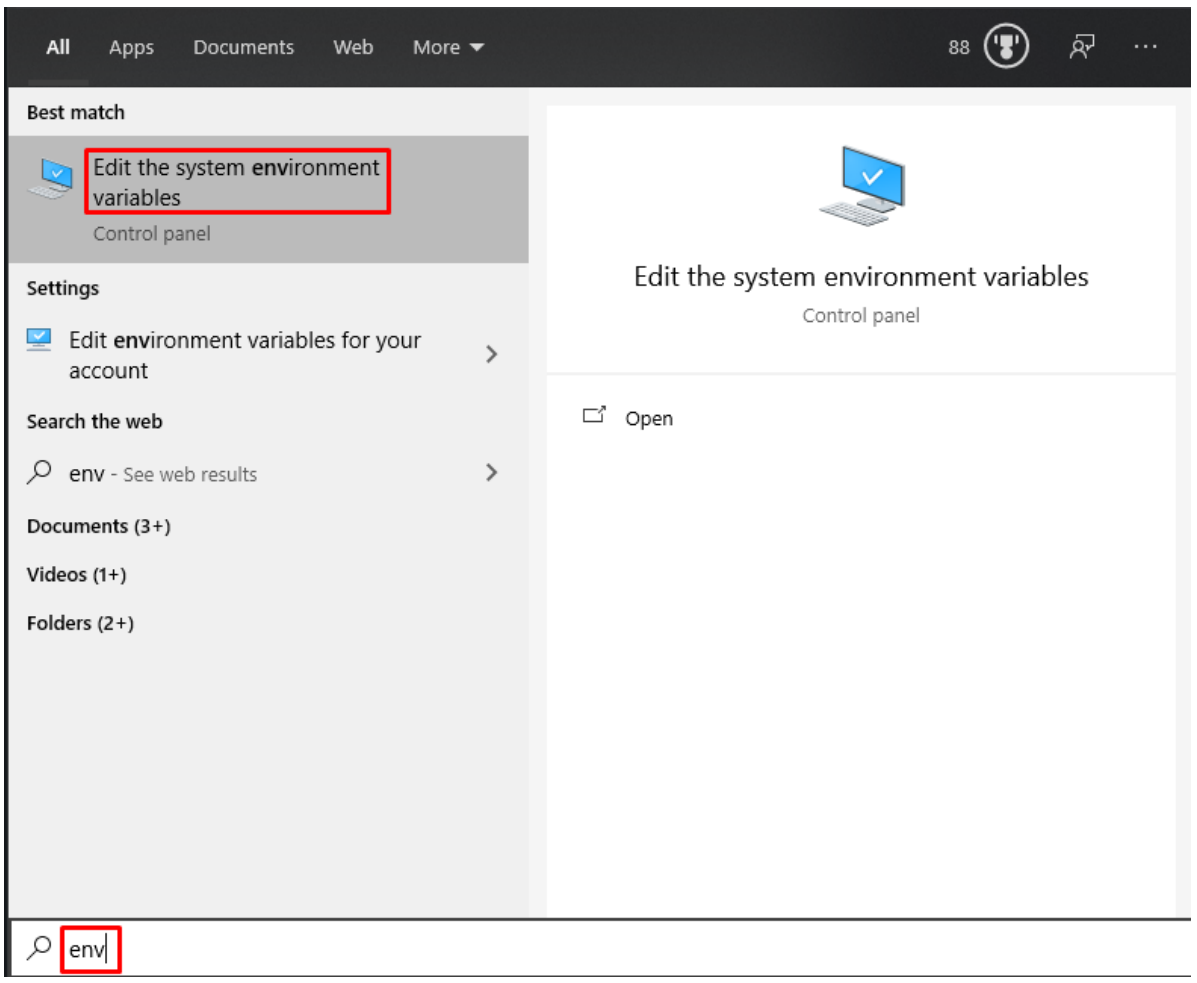
14. You should now be on the **Windows Service** page, click **Next**.
15. You should now be on the **Apply Configuration** page, click **Execute**.
16. Once the configuration has been successfully applied click **Finish**.
17. You should now be on the **Product Configuration** page, click **Next**.
18. You should now be on the **Connect To Server** page, enter the password and click **Check**.



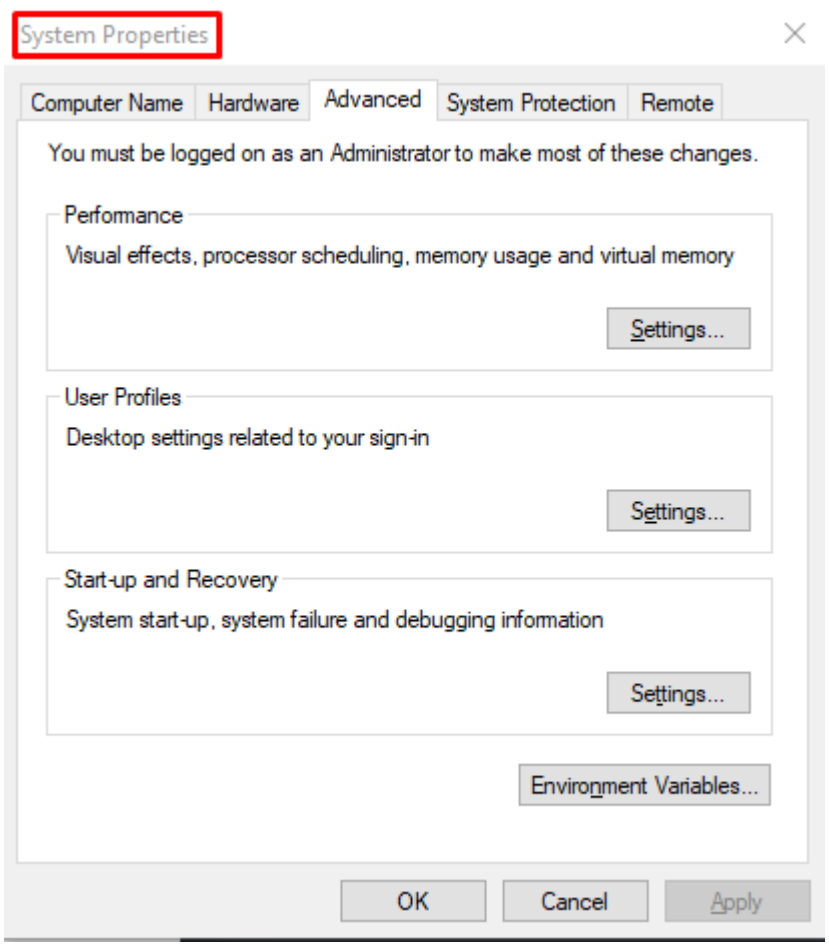
17. If the connection succeeded, click **Next**.
18. You should now be on the **Apply Configuration** page, click **Execute**.
19. Once the configuration is applied, click **Finish**.
20. You should now be back on the **Product Configuration** page, click **Next** again.
21. You should now be on the **Installation Complete** page, click **Finish**. This will open MySQL Workbench.

Set up the MySQL environment variable

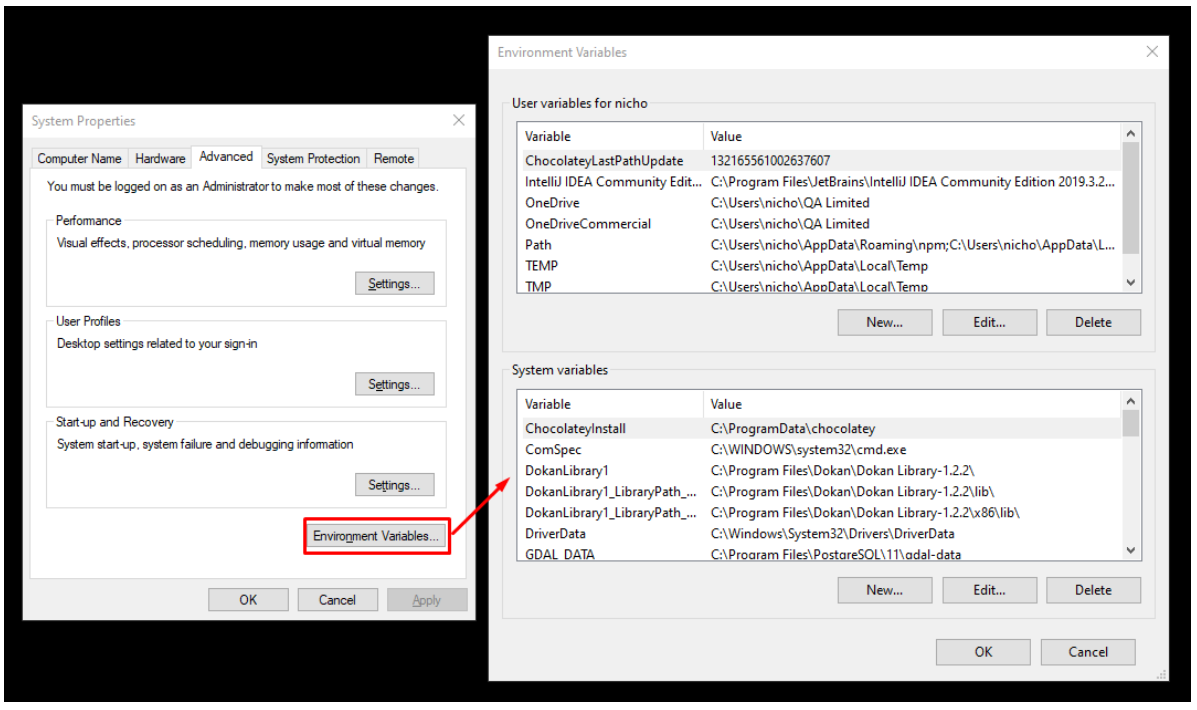
1. In the Start Menu, search for 'env' and click the option to `edit system environment variables`:



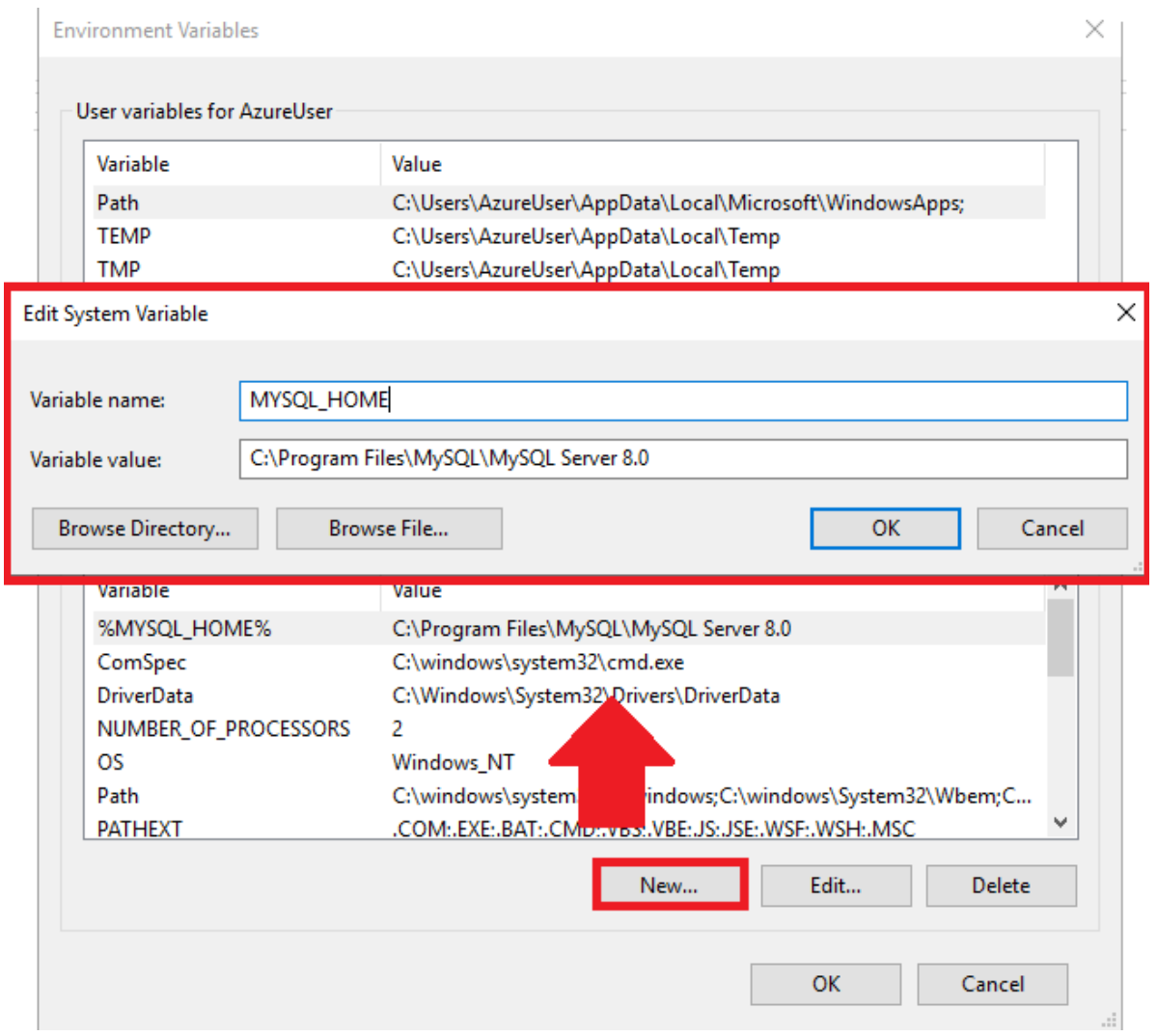
You should see the following window:



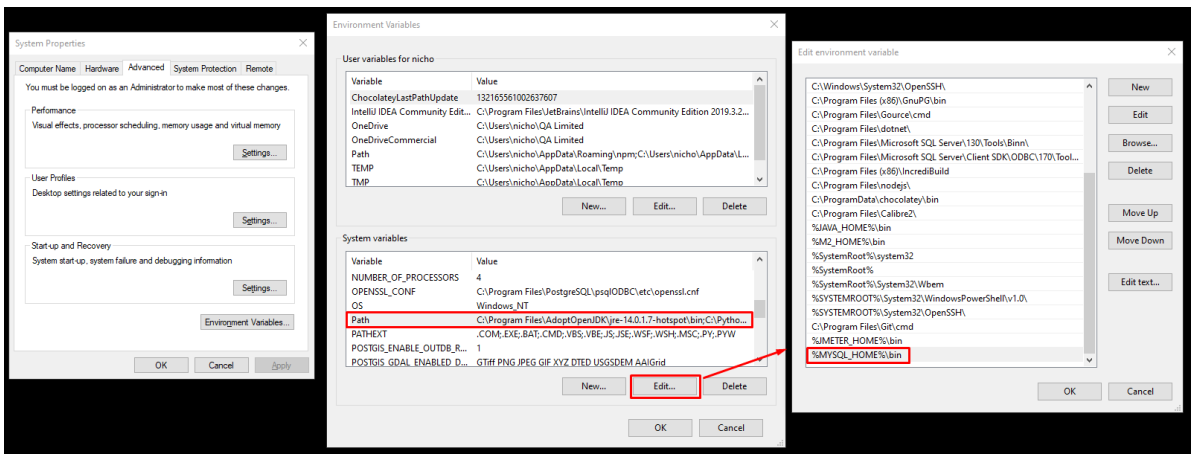
Click `Environment Variables`. This should open another window:



2. In the bottom `System Variables` panel of this window, click `New`, then, in the window which opens, replicate the following setup:



Click `OK`, then scroll in the bottom panel until you find the `Path` variable. Select it and click `Edit`, then `New` and add `%MYSQL_HOME%\bin`



Click `OK` recursively until all system windows are closed.

Exercises

Add the sample database2

Your trainer should have supplied the `movielens.sql` file to you. You may need to import this database into your MySQL installation to complete a challenge in this course.

1. Download the file.

2. Open a command line and log into MySQL as the super-user, then import the databases with the following commands:

```
mysql -u root -p
```

(you will need to enter the password you set earlier here - if you are using git bash you will *not* see *** when you do this)

```
SOURCE C:\Users\<you>\Downloads\movielens.sql
```

You should see several `Query OK` outputs:

Each of this `.sql` file contains the entire schema and data for the database, so you do not need to use the `CREATE DATABASE` command first.

3. Ensure that your databases are working with the following commands:

```
SHOW TABLES FROM movielens;
```

You should see 6 tables.