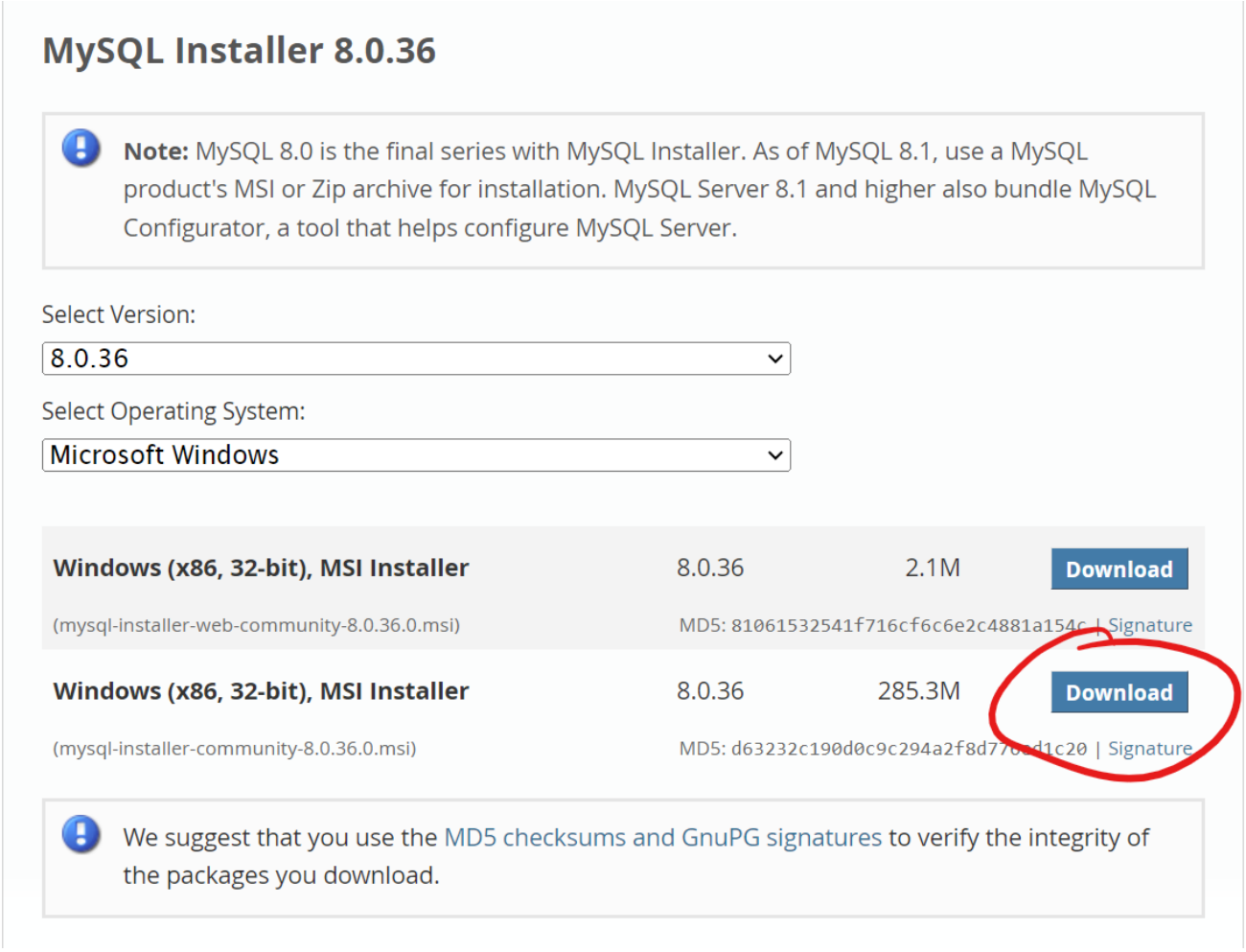
# Guild to Setting up Development for the EECS TSC Inventory System

## Download and Install MySQL 8.0.*

### Download

https://dev.mysql.com/downloads/installer/

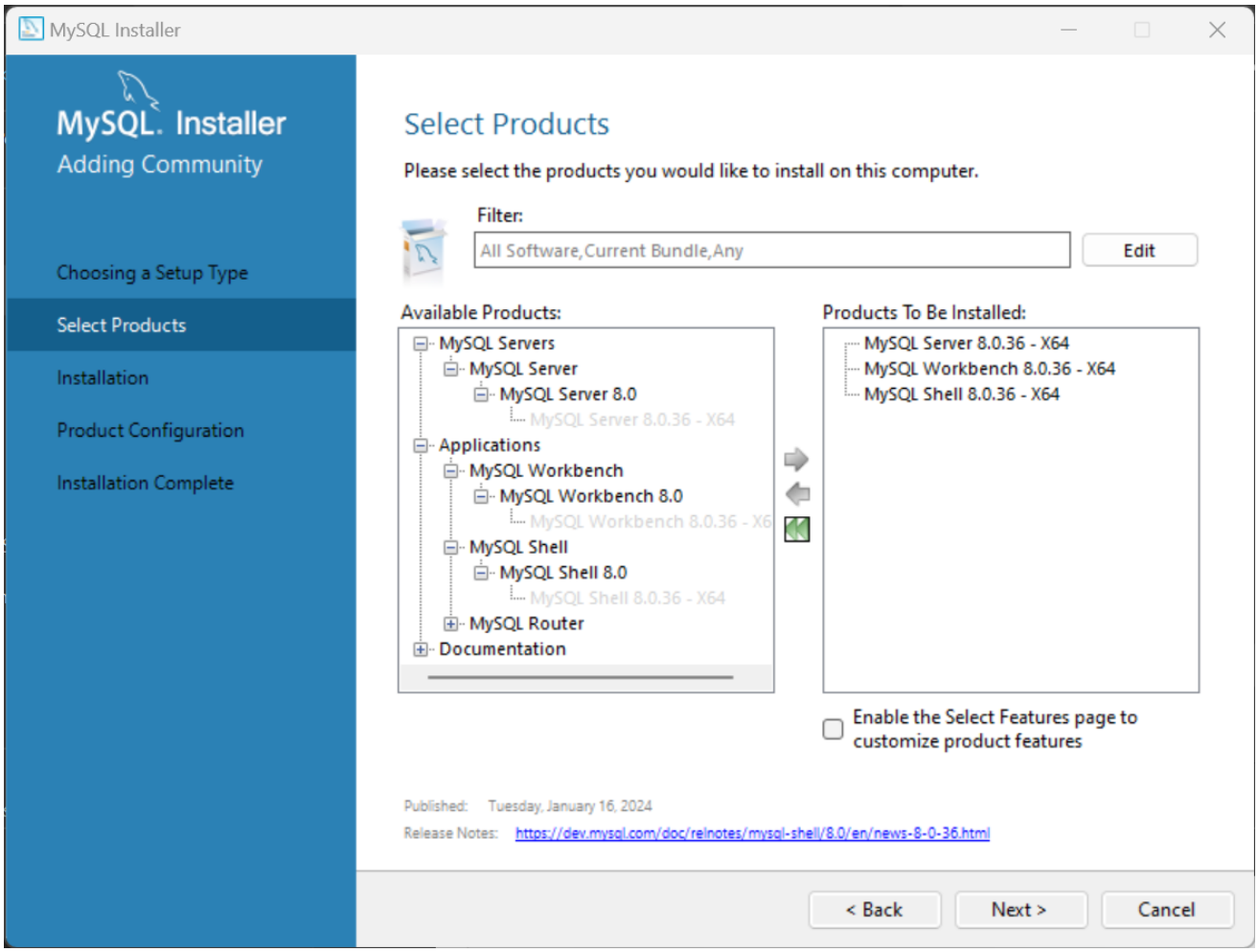
- Go to link above and download the MSI installer. An account is not needed for download.




### Install

1. Run the MSI file.
2. Click on full custom download and follow the following pages and instructions.

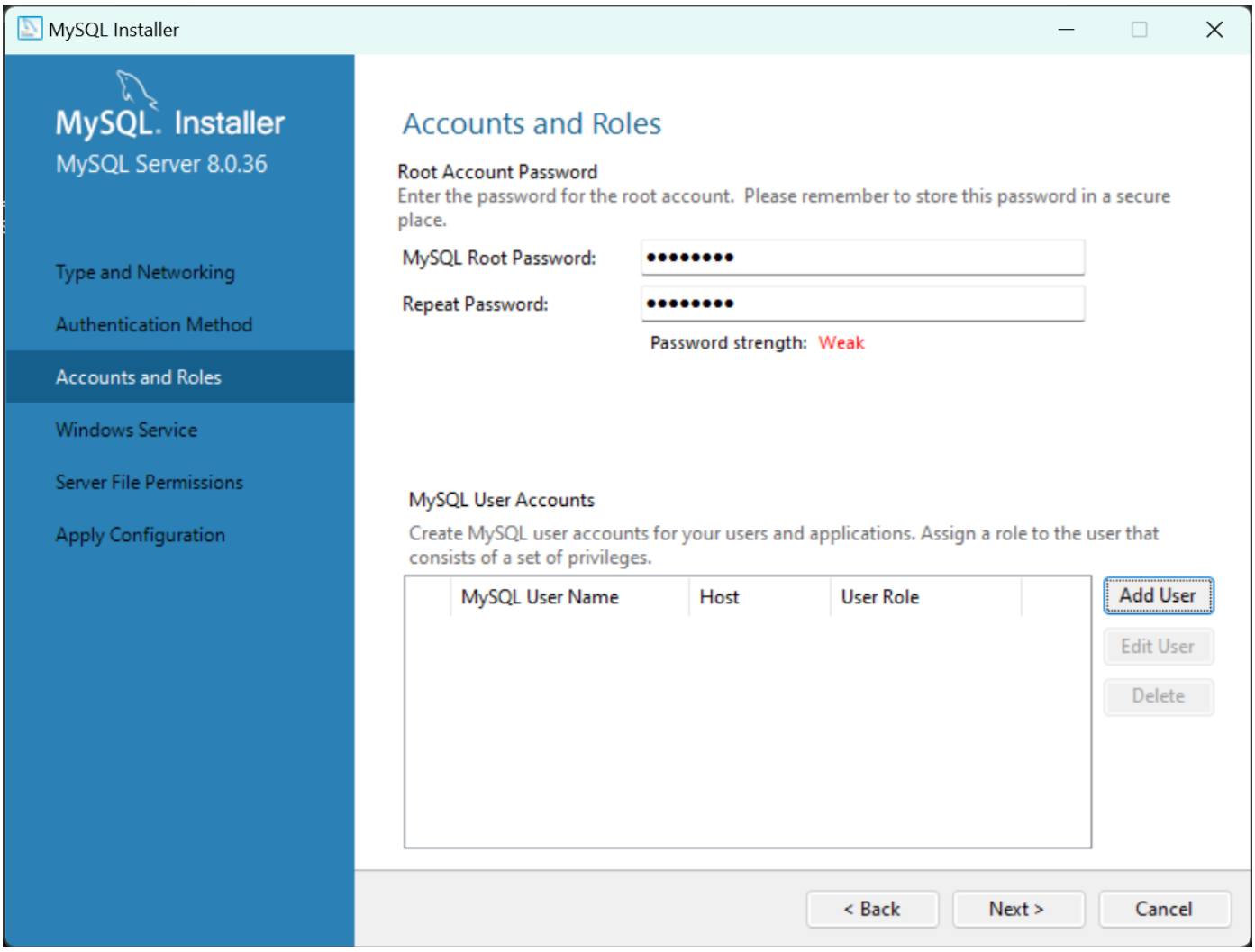
- On the select product page select MySQL Server, Workbench, and Shell (shown below).




- Click next, next, execute and wait for the packages to install then click next.

# Configure MySQL Server 8.0.*

- Click next, next, next then the Accounts and Roles screen should be shown as seen below. Set the password to "Password" for convenience or something else rememberable.




- Then click next, next, next, execute, finish, next, finish.
- at this point MySQL and the selected packages should be installed and configured

## Test Password

Open the MySQL Shell and when prompted for a password enter "Password" or whatever password you set above.

# Drivers (unsure yet if needed)

~~drivers not sure if needed try without~~

~~https://www.oracle.com/database/technologies/appdev/jdbc-downloads.html~~

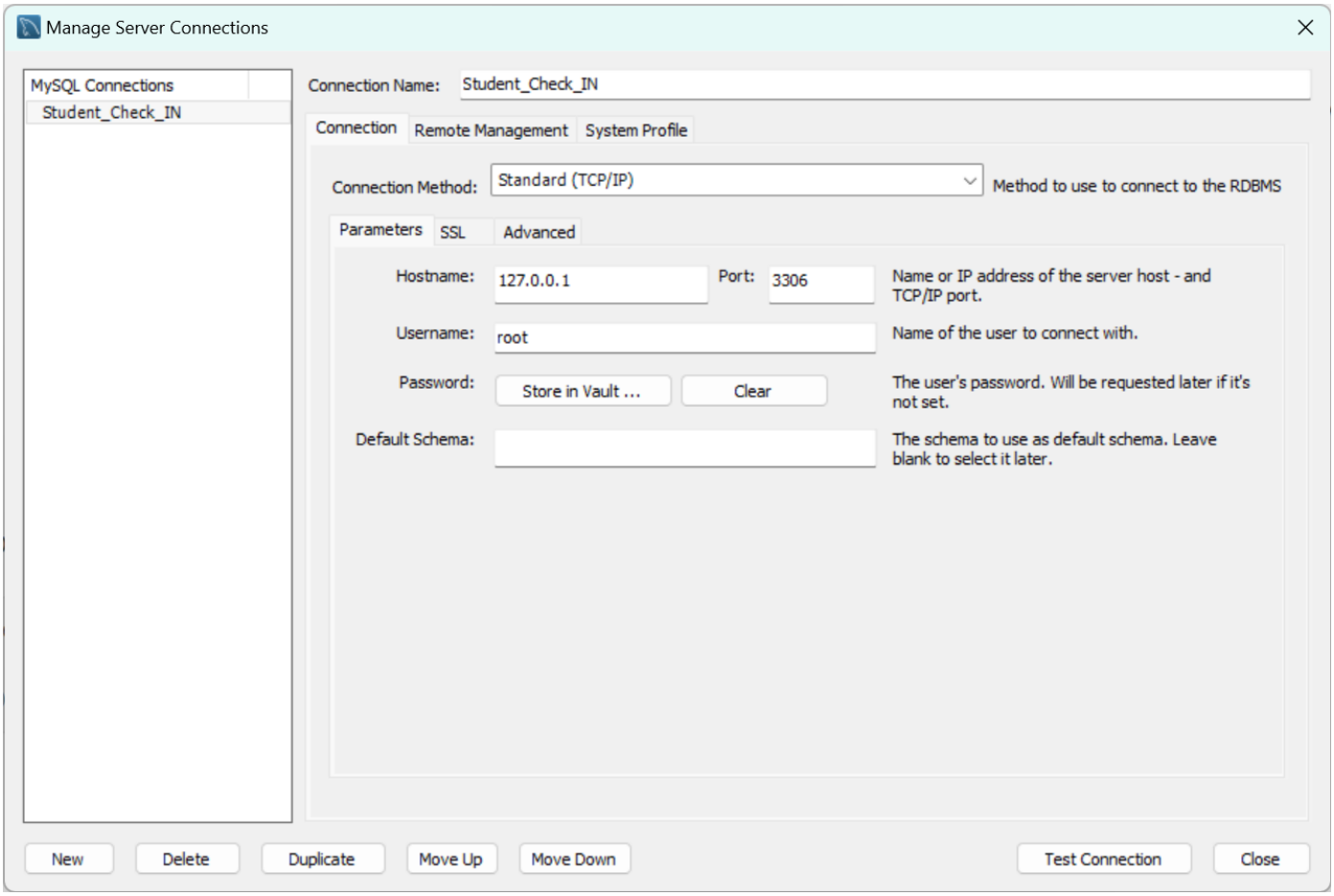
# Retrieve the Database File

- Get a backup found on the D drive of the laptop server located by back desk. For help:
  - Ask Jim.

- If backup is zipped unzip and locate the `.sql` file within the folder.

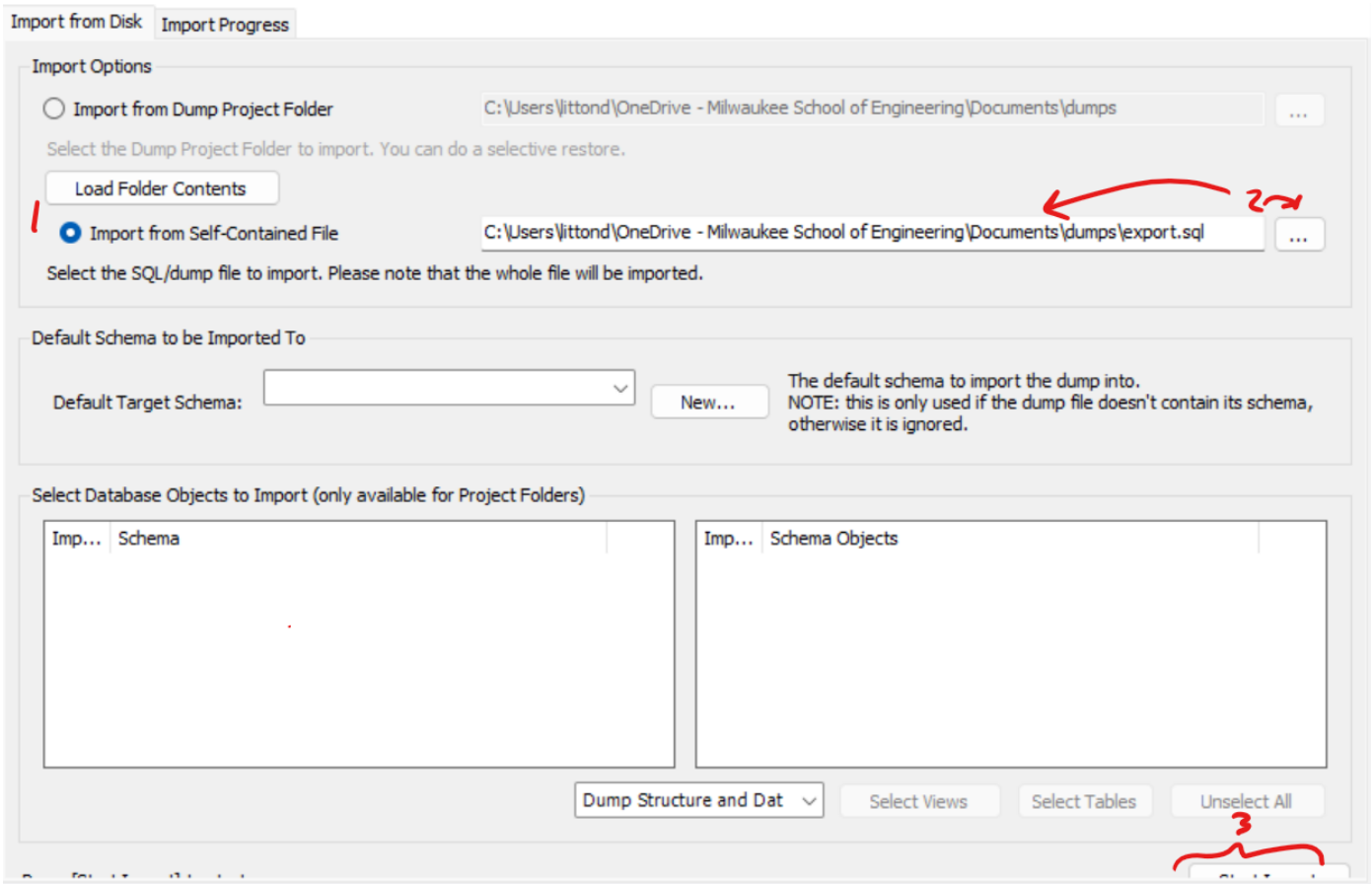
# Create MySQL Workbench Connection

1. Open MySQL workbench.
2. Make new connection with the parameters below and name it `Student_Check_In`.
3. Test the connection by pressing the `Test Connection` button to confirm the port work.




# Import the Database

1. While connected to MySQL connection locate the `Data import/restore` button on the left bar.
    1. Check the `Import from Self-Contained file` radio/option button.
    2. Using the input field or the 3 dots to the right locate the database backup `.sql` file on your PC.
    3. Click import on the bottom right. You may have to play around with the size of the window to find it, see picture below for approximate location.

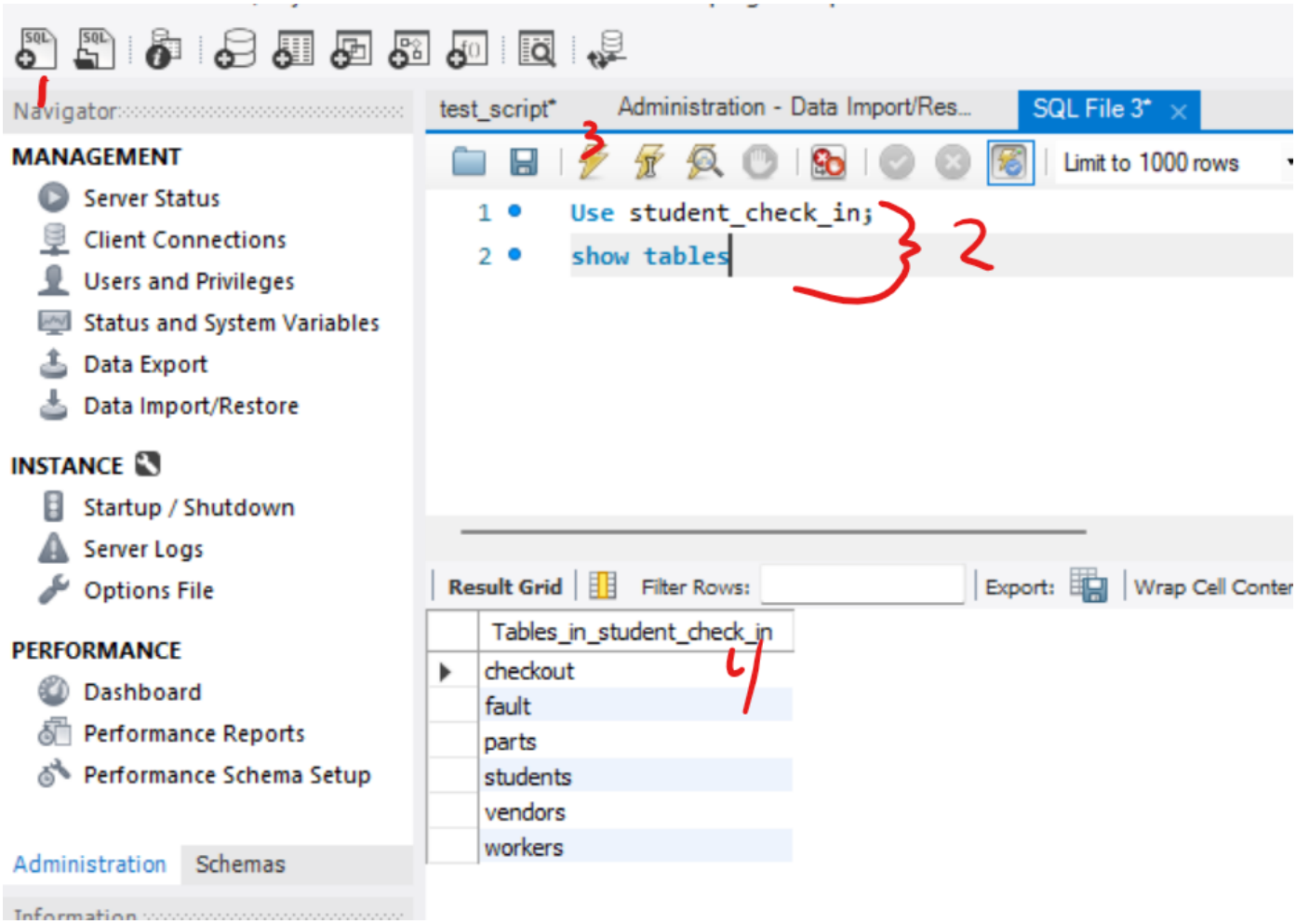



# Test the Database

1. Make a new sql script.
2. Type in the following code.

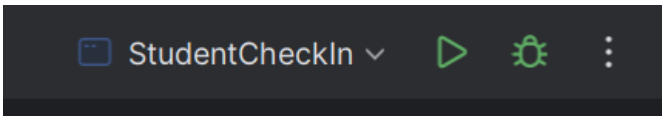
```
USE student_check_in;
show tables;
```

3. Click the lightning bolt icon to run the script.
4. Confirm the output with the image below.




# Test the Program

1. Locate the source code for the java program:
   - Located on the front machines.
   - Ask Jim.
   - Download/clone from the online repo https://github.com/littond/student-check-in.
2. Using a program like JetBrains Intelij open the project (Intelij will be preset up to handle Gradle).
3. Make sure you are on dev branch.
4. Go to `src/main/java/Database/Database.java` on line 30 and make sure the password variable is the same as the one you set earlier.
5. Run the StudentCheckIn run configuration.




6. The program should open to the login screen and should not have pop up errors.