Setup

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Development Startup

There are a few software prerequisites that are needed in order to run SQLmark. I will list them, and then walk through the necessary installation.

Software

- MariaDB 10.3
- IntelliJ, Eclipse
- Java 8-10

Maria DB

1. Select host requirements and download installation package from here
2. Leave all settings as default throughout the installation, except for setting the default charset to UTF-8. Set the user to `root` and password to: `68(MNPq]+_9{fk>q` .

For Windows

Add `C:\Program Files\MariaDB 10.3\bin` to your system PATH variable. (Follow this guide for editing your PATH variable if you are unsure how to)

Test

For unix you simply need to run the following commands, but if you are on windows:

- Run `Command Prompt (MariaDB %)` via your Start menu folder.

Enter the following and enter your root password when requested.

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

Once logged in, the following should give you a status output on the server:

```
mysql> status;
```

IntelliJ

Download the installation file from here, then install IntelliJ.

Java

Our program relies on Java, so please ensure you have JDK 8 upwards installed. Here is the link to JDK 10, which we used.

Git

Our Build pipeline is based on Github, so you will need to have git installed in order to download our source files. Here is a link to git.
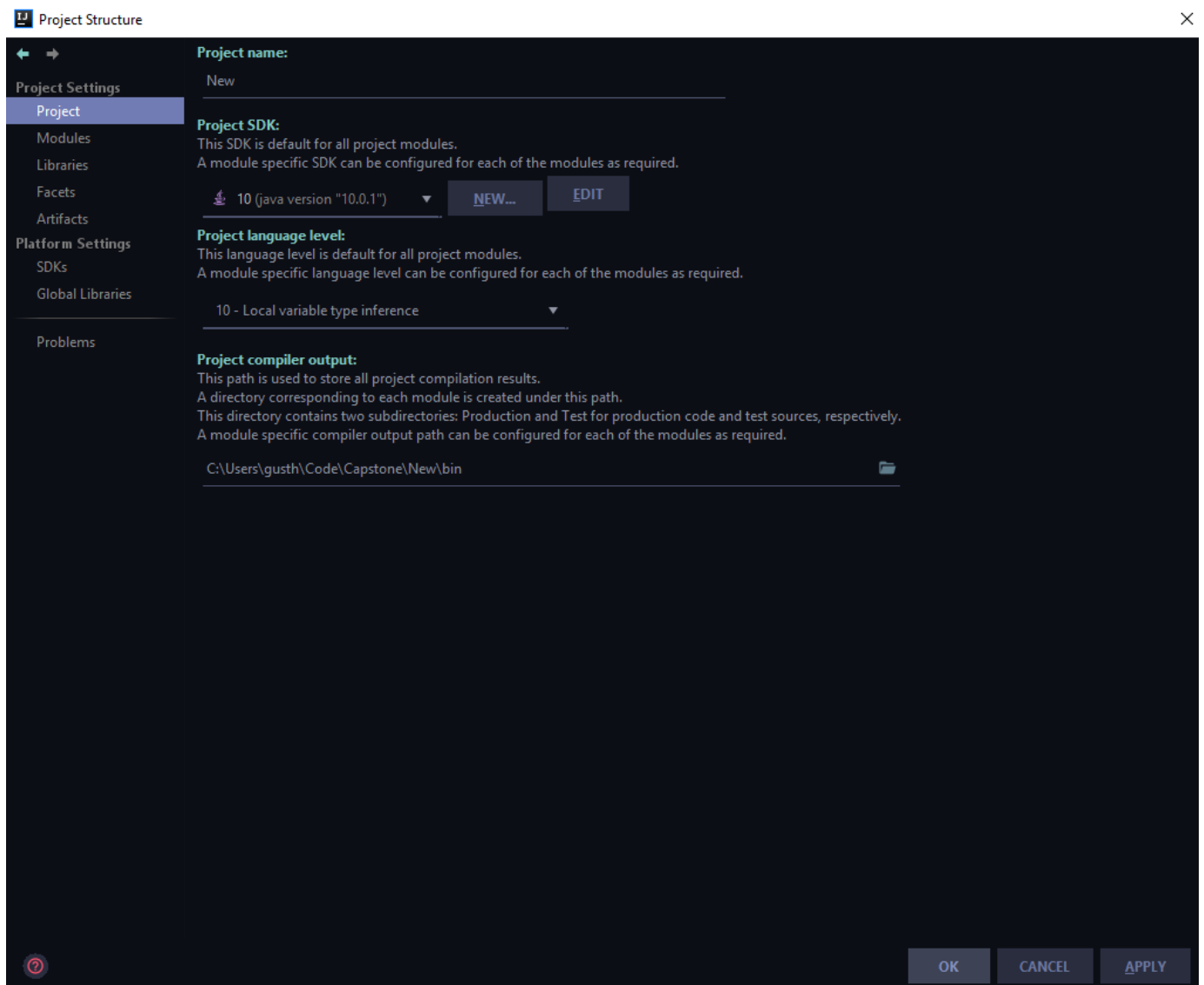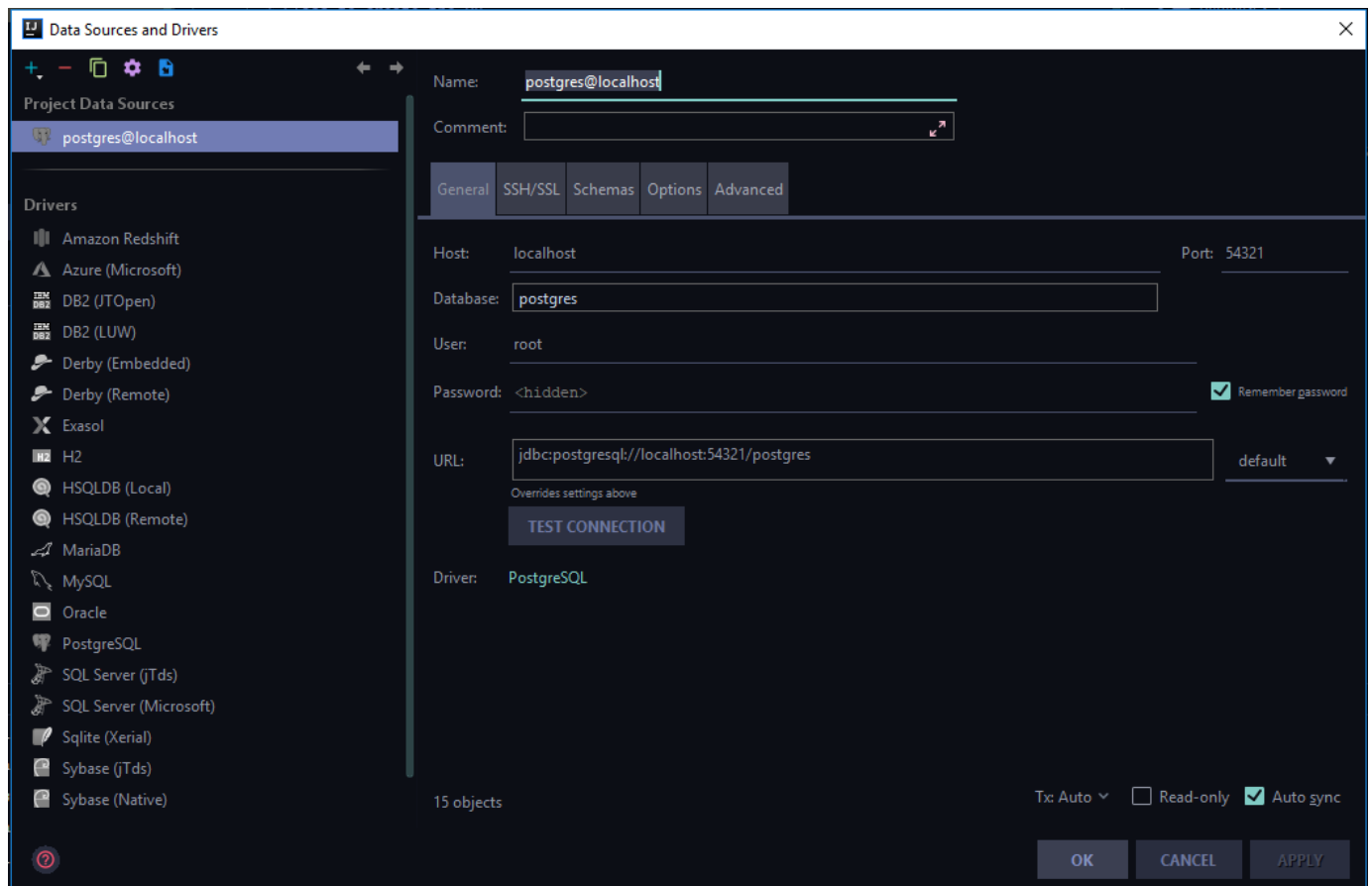
Setup

Once you have the necessary tooling, the setup will be as follows:

1. Open IntelliJ
2. Select Checkout from VCS
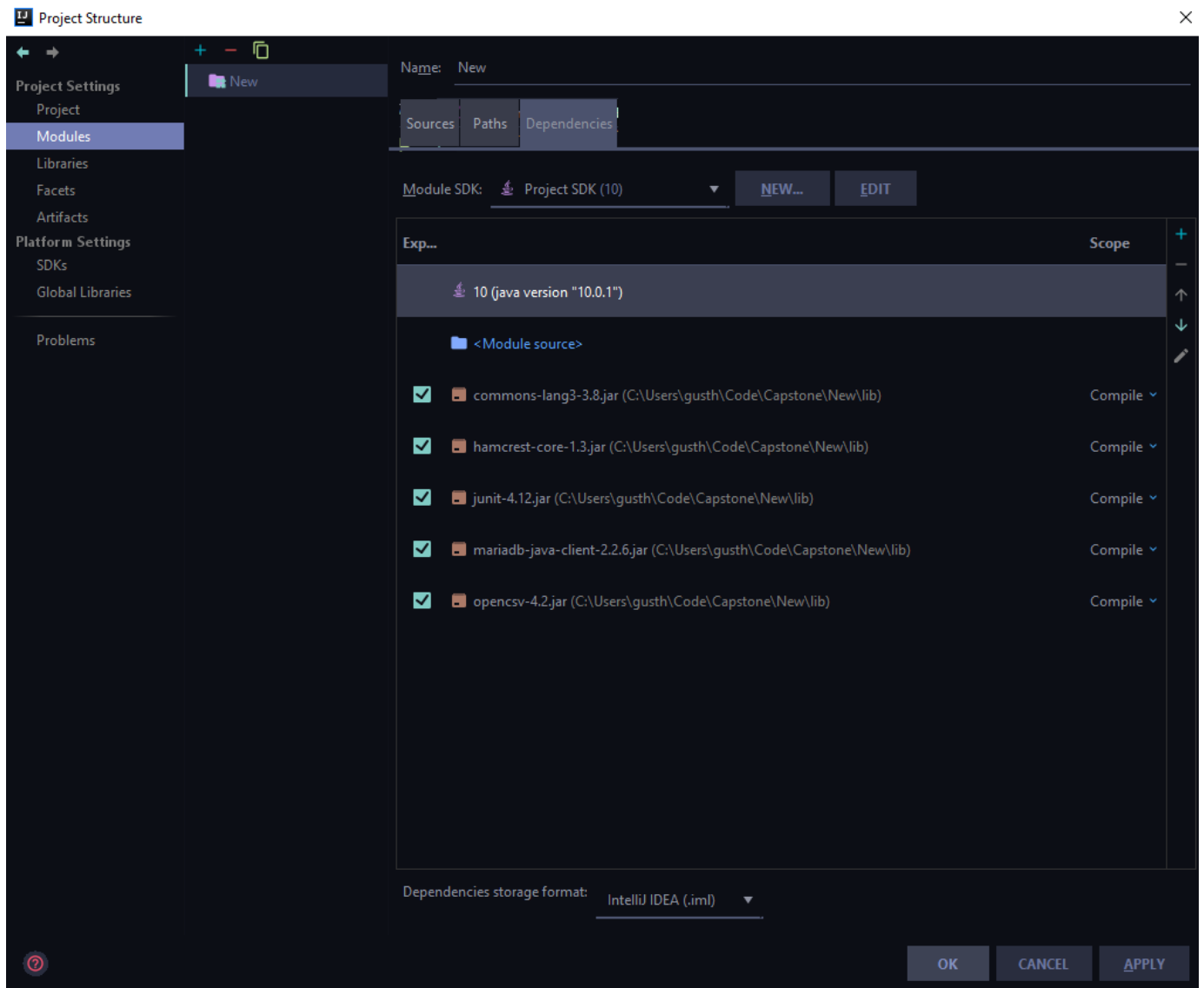3. Enter `https://github.com/AngusTheMack/SQLmark/`

Once it has finished downloading. You will need to setup the Project Structure. In IntelliJ Go to **File**->**Project Structure**. When it opens, ensure that it looks as follows - unless, your JDK is set to something other than 10

Then click on the **Modules** tab under Project Settings in the left-hand sidebar, and ensure that it looks as follows:
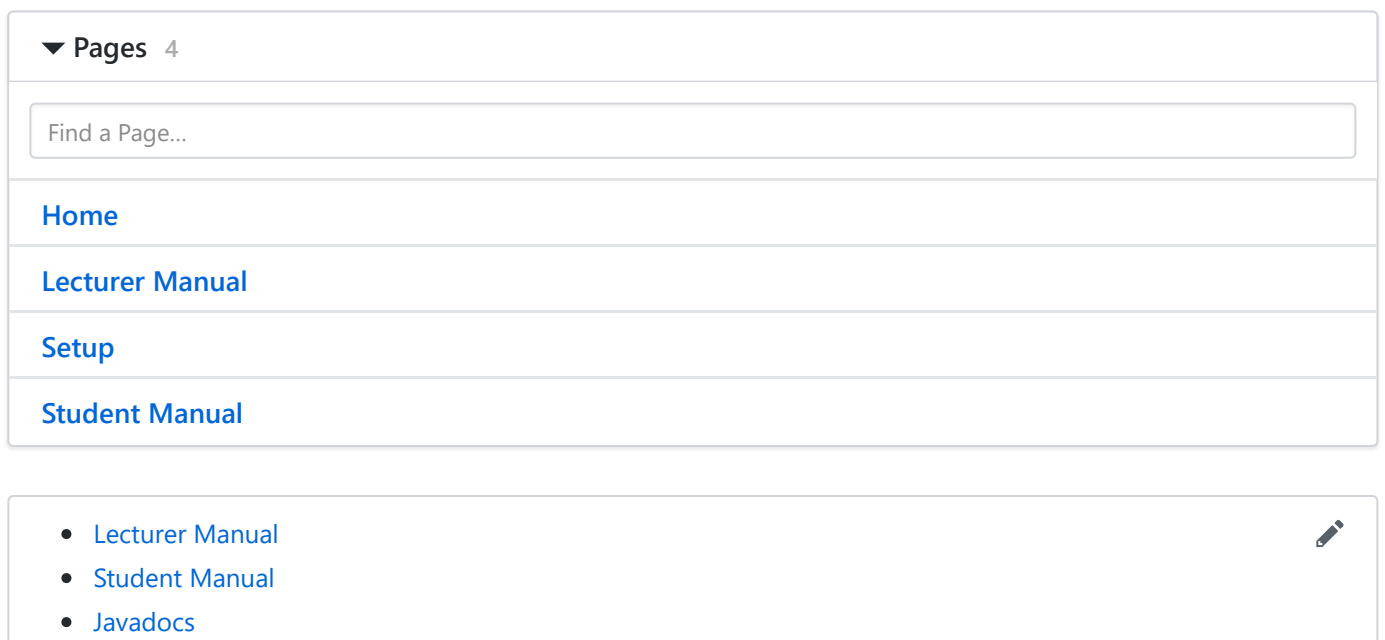
Then click the Dependencies tab, and add the following dependencies - all stored in the repository under `lib`.

Now you should be able to run the project.

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```
https://github.com/AngusTheMack/SQLmark.wiki.git
```