Installation and Setup

Installing Docker:

Install the Docker application according to your operating system.

https://www.docker.com/products/docker-desktop/

Installing lukewarm ([Reference](#)):

Enter `docker pull arminfriedl/lukewarm` in your computer's terminal (You need to be connected to the internet).

Also, it is possible to install the image offline. You should download the image and then use the `docker load < image.tar` command to add the image to the Docker ("image.tar" is the name of the downloaded image you want to add to the Docer). Be careful to use the command in the folder that "image.tar" exists.
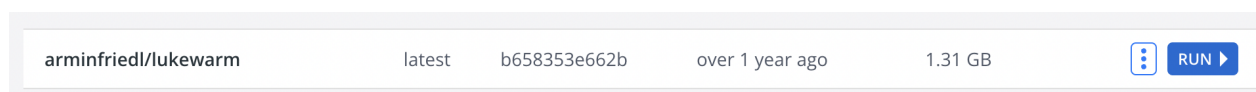
Setting up the container:

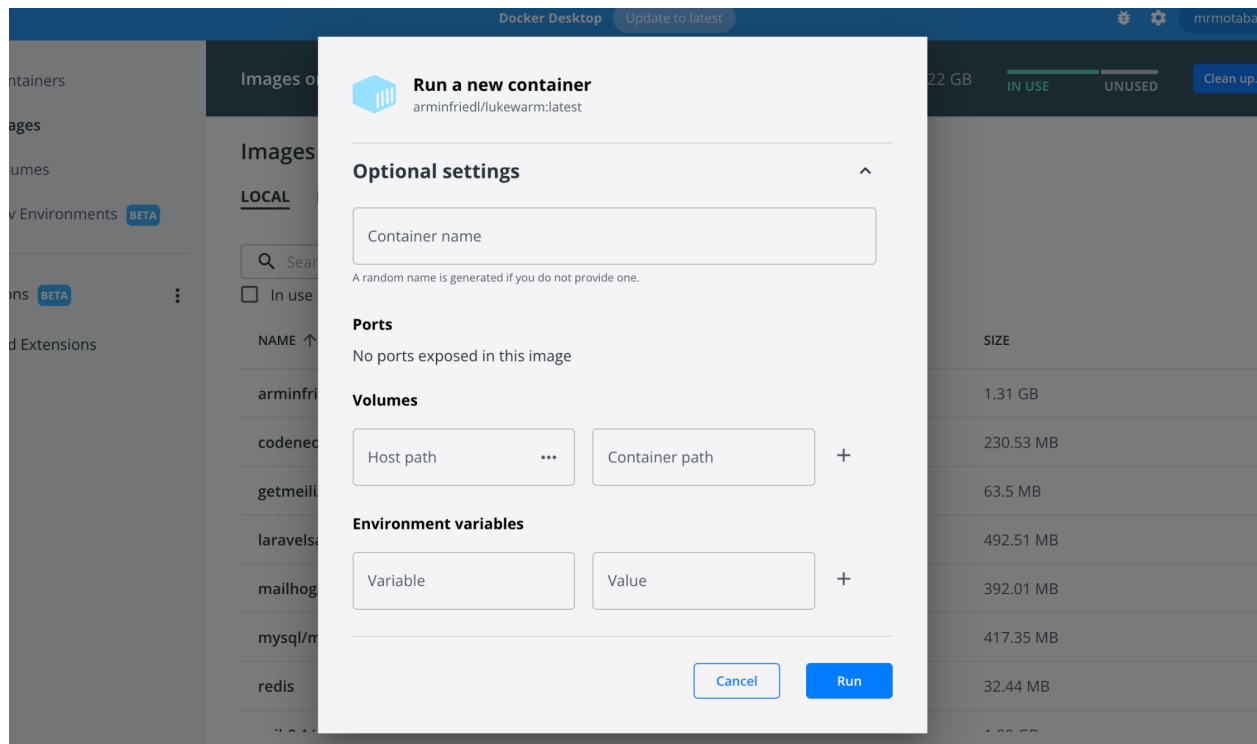Use the command below to make the container:

`docker run -it -v ~/Desktop/Cool:/class --name Cool arminfriedl/lukewarm`

Alternate way:

After adding arminfriedl/lukewarm in the Image section by moving your mouse over the image, the Run bottom appears; click on the Run.

arminfriedl/lukewarm	latest	b658353e662b	over 1 year ago	1.31 GB	⋮ RUN ▶

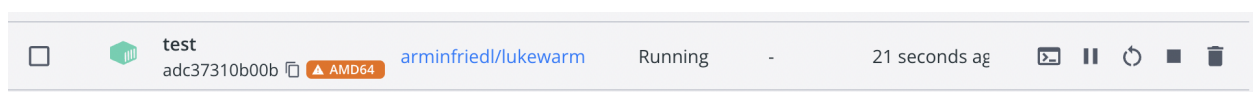In the opened window, click on "Optional settings".
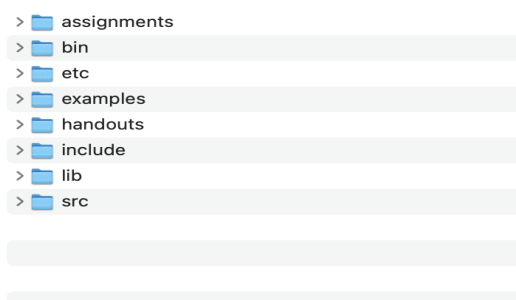
In the "Container name", enter an arbitrary name.

In the "Host path," you should enter the folder's path (Preferably an empty folder) that you want files to store in it. By doing this, you can access your project's file directly.

In the "Container path", enter "/class" and click Run.

The following container should appear in the Docker's Containers section (instead of test, it should be the name you choose). Probably, the container is automatically started.

The folder you specified in the "Host path" should be as follows.
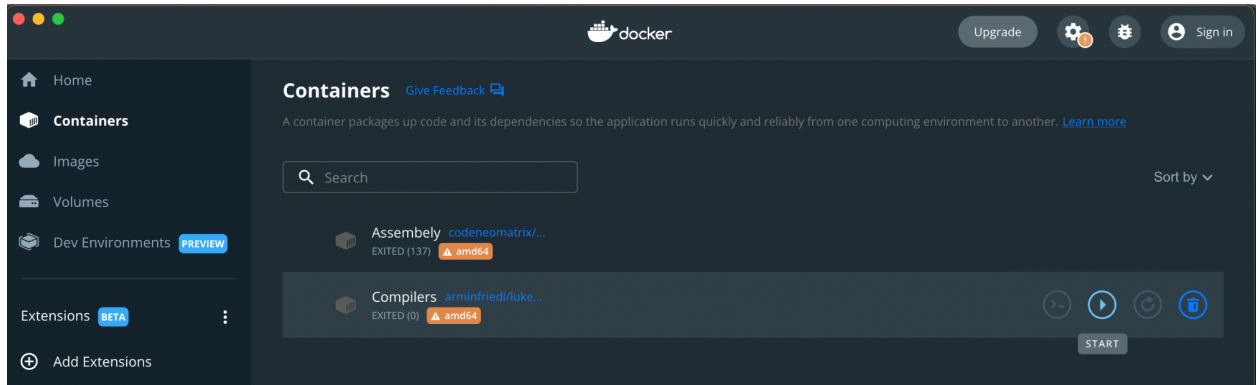
Installing Vscode extension:

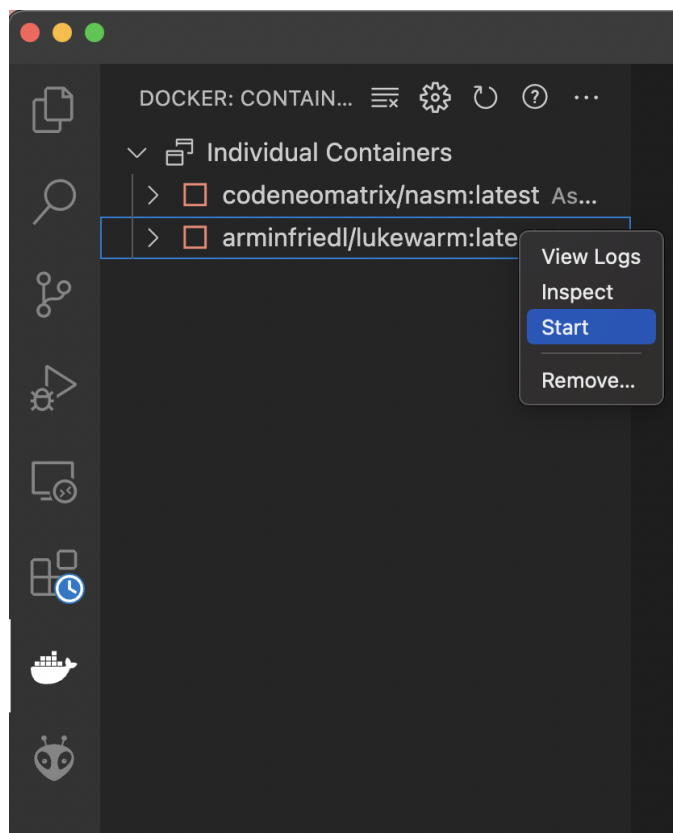From the extension section in the Vscode, install Docker.

How to use

First, you should start the container.

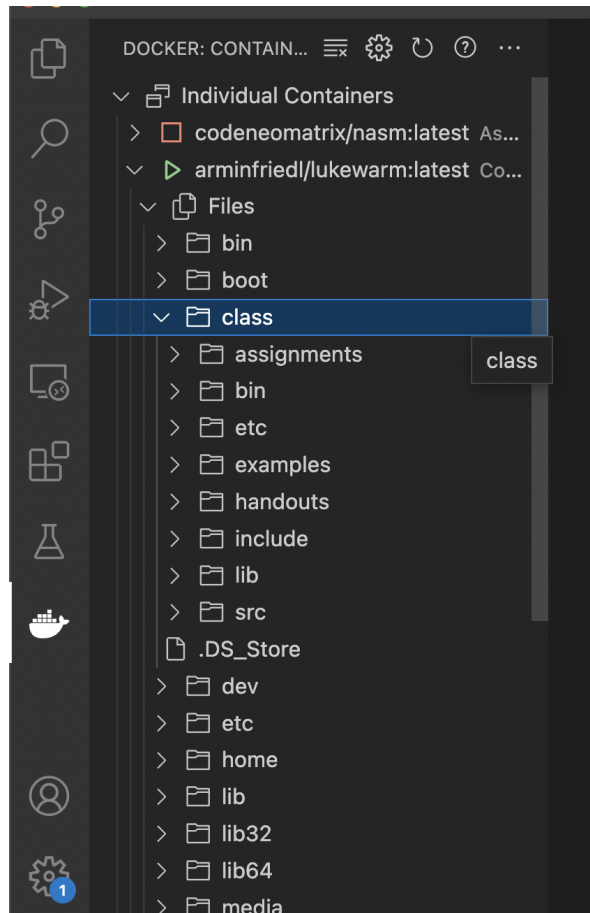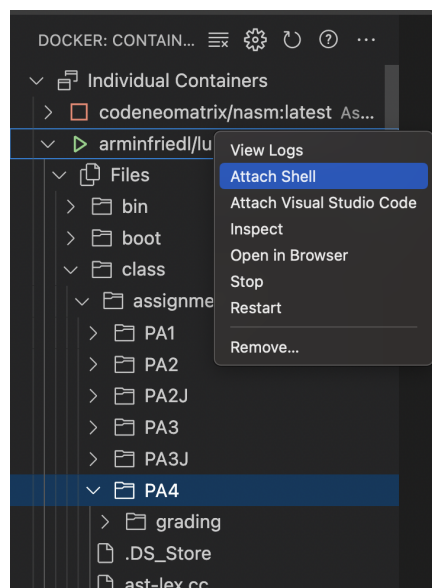In the Containers section in Docker, click on the start.

Alternate way:

In the Docker extension in Vscode, right-click on the container name, then click start.

Then, enter the "class" folder. Different parts of the project are in the "assignments" folder.

To access the terminal of the Docker, right-click on the container and then choose "attach sell". The Terminal should appear at the bottom of the VScode.

To grade and test your code, enter the following command in the terminal in the project folder.

`Perl grade.pl`

When you finish, you can stop the container as you started it.