**Second problem.**

**Task 1:**

I chose the **app.py** file, as I am more used to its syntax.

**Task 2:**

First, we’ll create a dockerfile which will look like this:

A screenshot of a computer program

Description automatically generated

**Task 3:**

Then, we’ll build the image “my-python-app” based on this Dockerfile, using

***docker build -t my-python-app .***

***A screen shot of a computer

Description automatically generated***

Verify that the image exists:

A computer screen with text

Description automatically generated

We run the image and see the expected output:

A black screen with white text

Description automatically generated

**Task 4:**

We tag the docker image before the push with the command:

***docker tag my-python-app mateduard/my-python-app:latest***

Then, we push to dockerhub with the command ***docker push mateduard/my-python-app:latest***

A computer screen shot of a computer program

Description automatically generated

The image was pushed to the following repo:

<https://hub.docker.com/repository/docker/mateduard/my-python-app/general>

A screenshot of a computer

Description automatically generated

As for the rest of the task, I think there will be necessary to have a PRO DockerHub account, which I don’t, unfortunately:

A screenshot of a webpage

Description automatically generated