Steps to run the microservice

There are changes to the environment file sent with the challenege. Hence there are two ways to run the the server.

1) Run the setup script, it will install miniconda, create environment "challenge", install required libraries and start the server with instructions(Recommended).

```
    - To run the setup
        script:
 1) Compile `chmod +x setup.sh`
 2) run `bash setup.sh`
```

2) Use the provided "environment.yml" file to setup the environment and run the server manually, the instruction for which can be found below.

Prediction

The API takes a 28x28 gray scale image and return the predicted value for the image.

Calling the API: `curl -X POST -F 'image=@<img.png>' http://localhost:5000/prediction`

a sample image to present as sample.png

Batch Training

The API takes a zip file of images which needs to be predicted. In the zip file, the images should be of shape 28x28 greyscale. The image name holds the class value for of the image. The name should in format _.png for ex. an image with name 'img_0.png' will belong to class 0.

Calling the API: `curl -X POST -F 'zip=@<img.zip>' http://localhost:5000/batch_train`

a sample file is present in the submission as test.zip