Files required:

1. Program.py- which accepts training, test data. It will train a model, outputs results of test data. Test data is accepted from system argument, taken from DockerFile- which is mapped to local machine.
2. Requirement.txt- all necessary python libraries, any other packages, necessary for this container is mentioned here.
3. TrainingData.csv, testData.csv- all data
4. DockerFile- gets the container ready, runs the program test file. This test file is internally mapped to local machine’s address using parameter –v.

Instead of copying the test file, we did a mapping. This will help in reducing the time of copying large test files, if in case, it happens to be large.

Steps for creating image and running a container:

1. docker build -t linearregmodel .
2. docker run –v C:/Users/swaravi/Documents/Lab/dockeriseModel/data:/data/ linearregmodel

Note:

1. Volume mapping helps to use the address of local machine to the address of docker. This helps to save output to a location of docker. This would be translated to local machine where the docker is deployed.
2. Make sure to change the \ to / from address of windows machine.