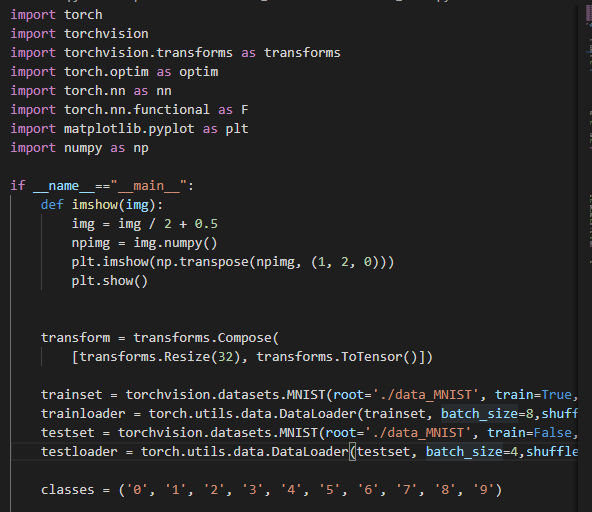
Exercise 1 – MNIST

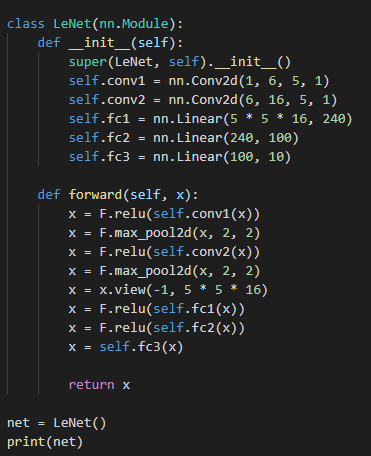
Jirayu Petchhan, D10907801

Import package and data pre-processing

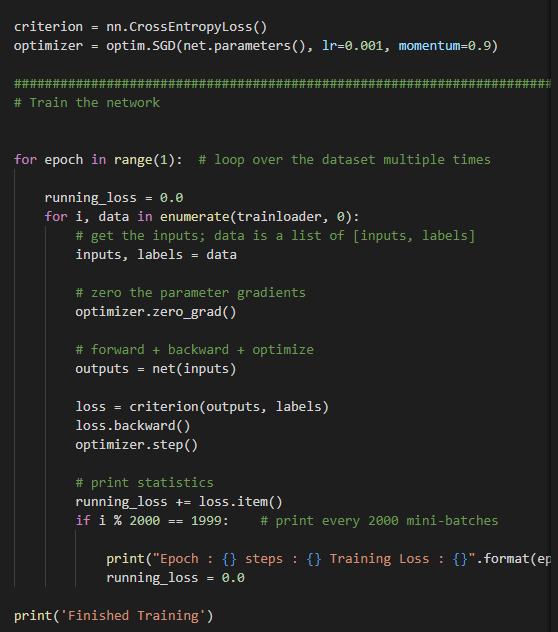


There are 10 classes. [0, 9]

Model usage = LeNet-5

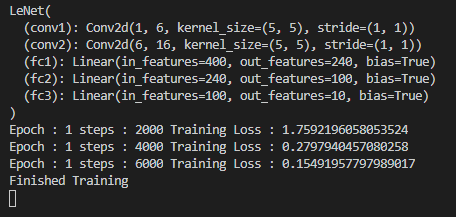


Optimizer, loss and training setup (1 epoch, 6000 steps/epoch)

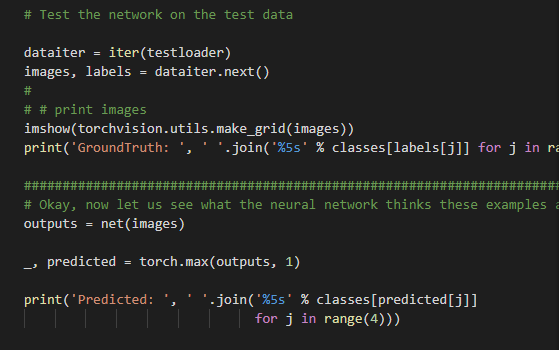


Print >> network

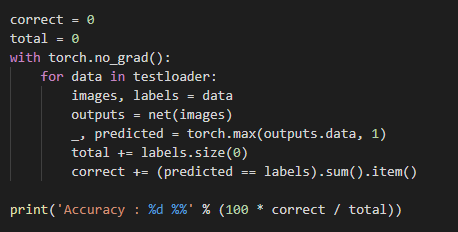
And training phase



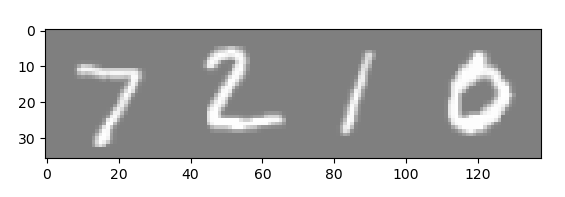
Testing and prediction setup



Monitoring accuracy of model (while no gradient process)



Testing set (pick it up)



Result

Comparison the accuracy of the prediction and ground-truth (Accuracy of the model = 96%)

