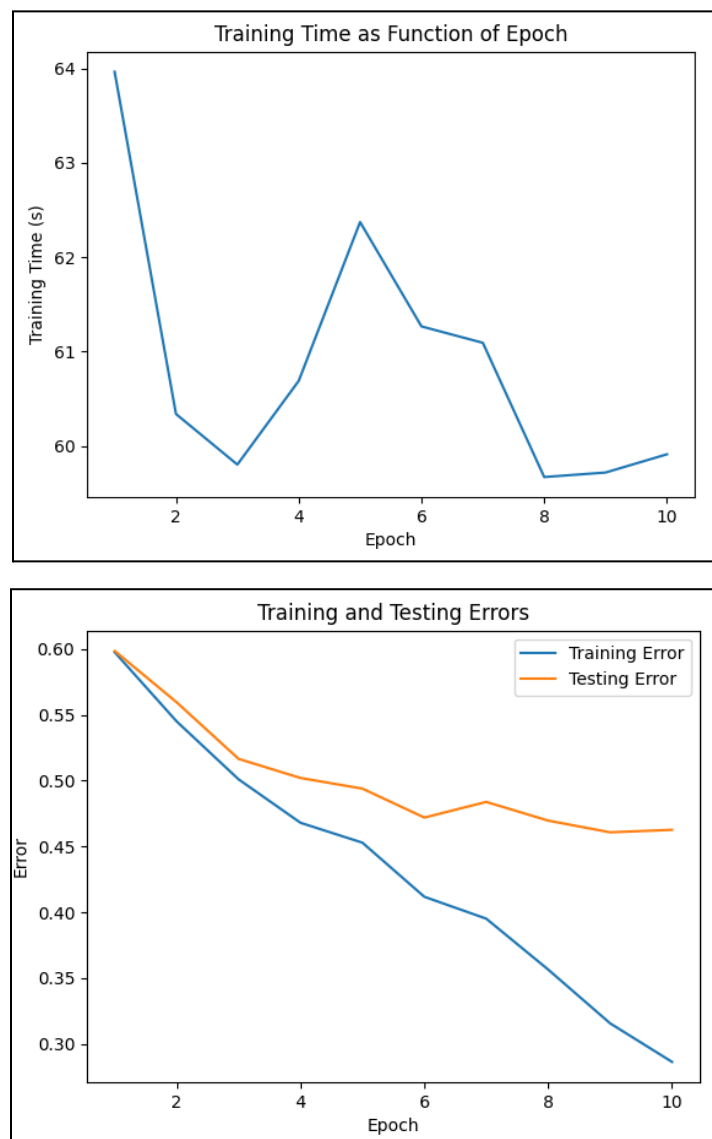Junhwan Lee
3/16/2023
CS181

Programming Assignment 3

To run the program(main.py), insert the Batch (code is written to take 5 batch files)'. These have to be 'pickled' objects. The network design is as following:

Input – (CNN – Relu – pooling)1 – (CNN – Relu – Pooling)2 – (CNN – Relu - CNN – Relu – Pooling)3 – (FNN)4 – (Softmax)5

• Input is a vector of size 32 x 32 x 3   • CNN1 is 7 x 7 x 3 x 64   • CNN2 is 3 x 3 x 64 x 128
• CNN31 is 3 x 3 x 128 x 256   • CNN32 is 3 x 3 x 256 x 256   • FNN4 is of a dimension 4096 x 10

Here is the output of the program with the above network:

Data Source: https://www.cs.toronto.edu/~kriz/cifar.html