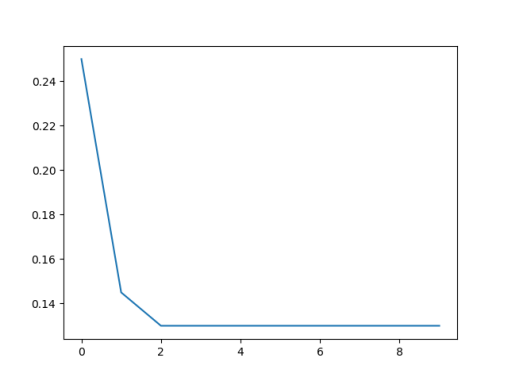
ASSIGNMENT 2

V Aditya Srikanth

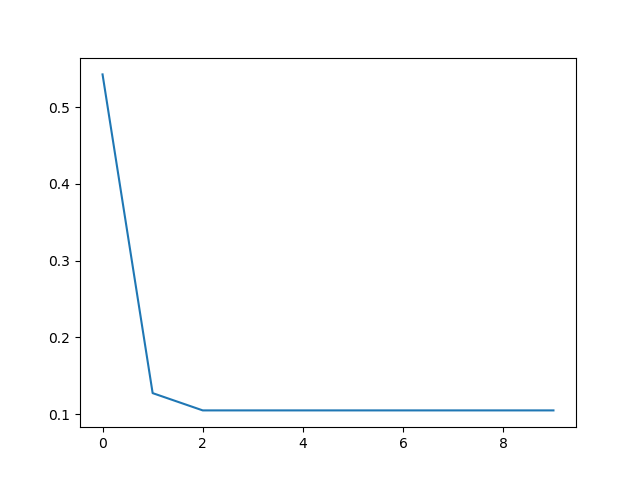
2016A7PS0091H

Q1:

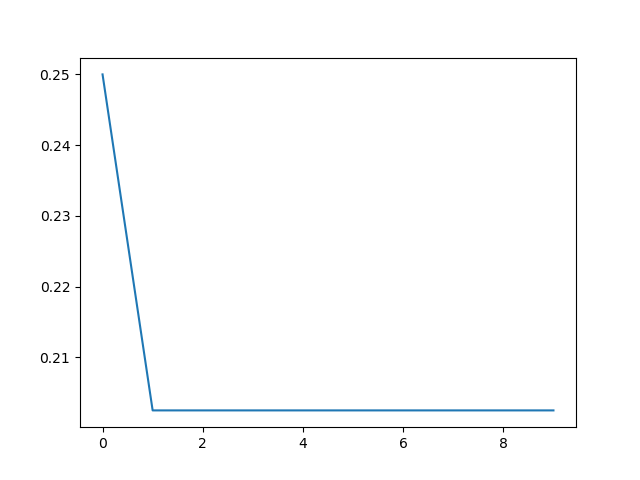
AND GATE



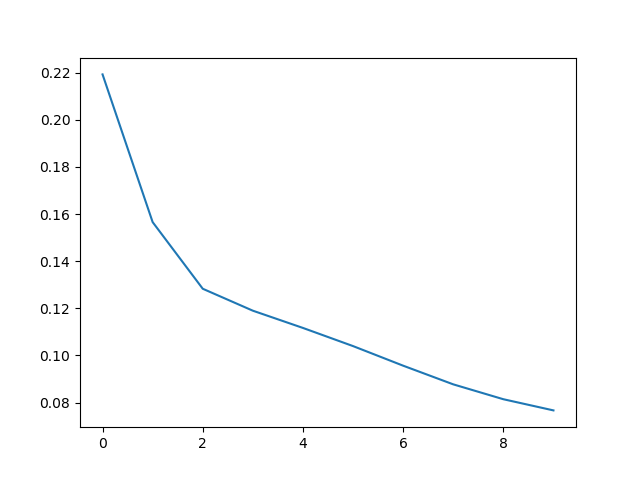
OR GATE



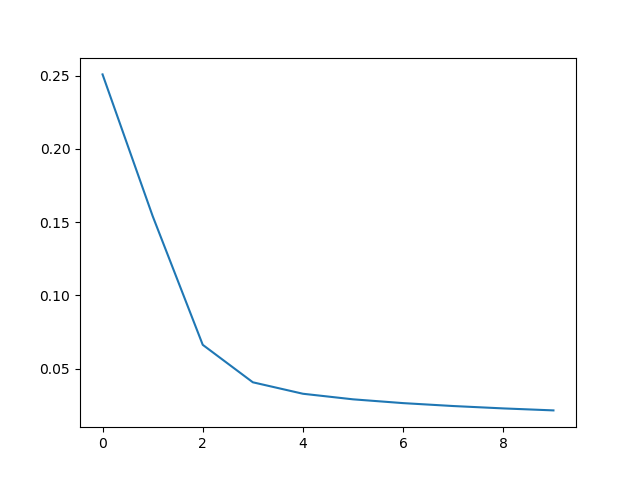
NOT GATE



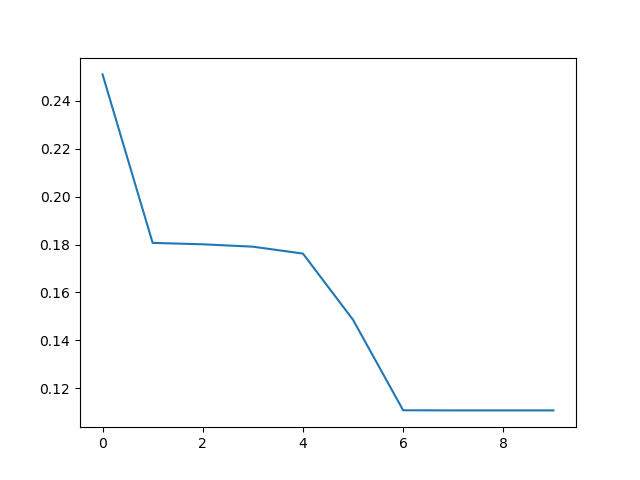
ANDNOT GATE



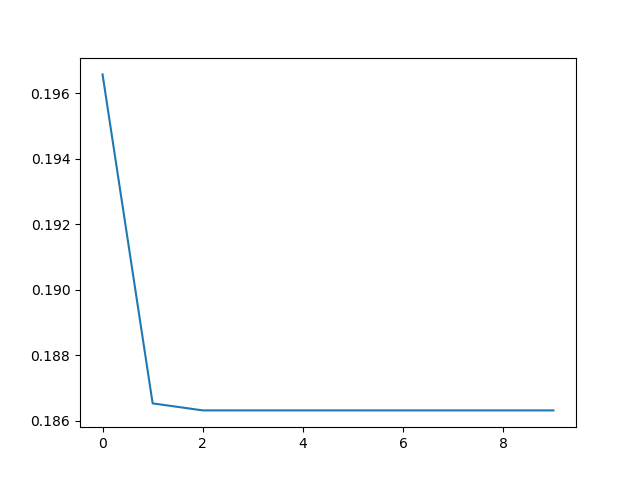
NAND GATE



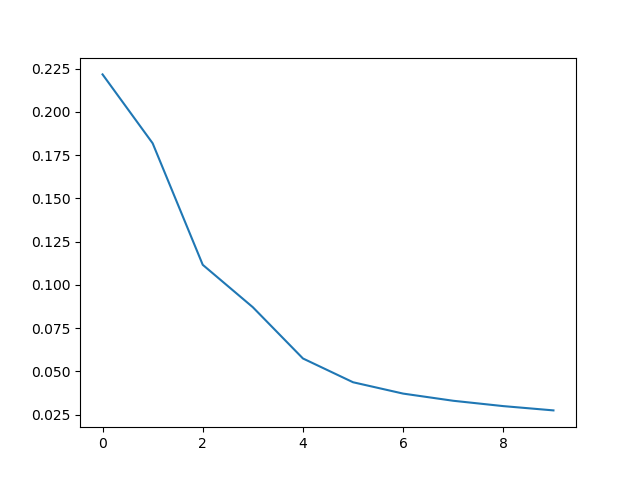
NOR GATE



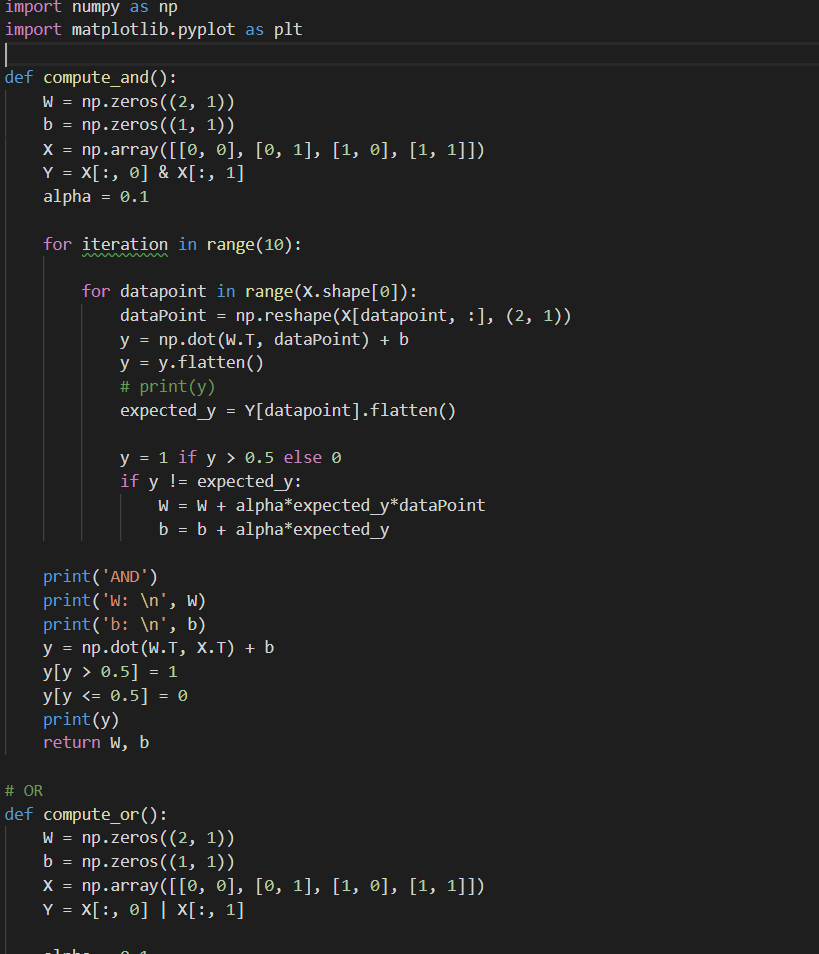
XOR GATE

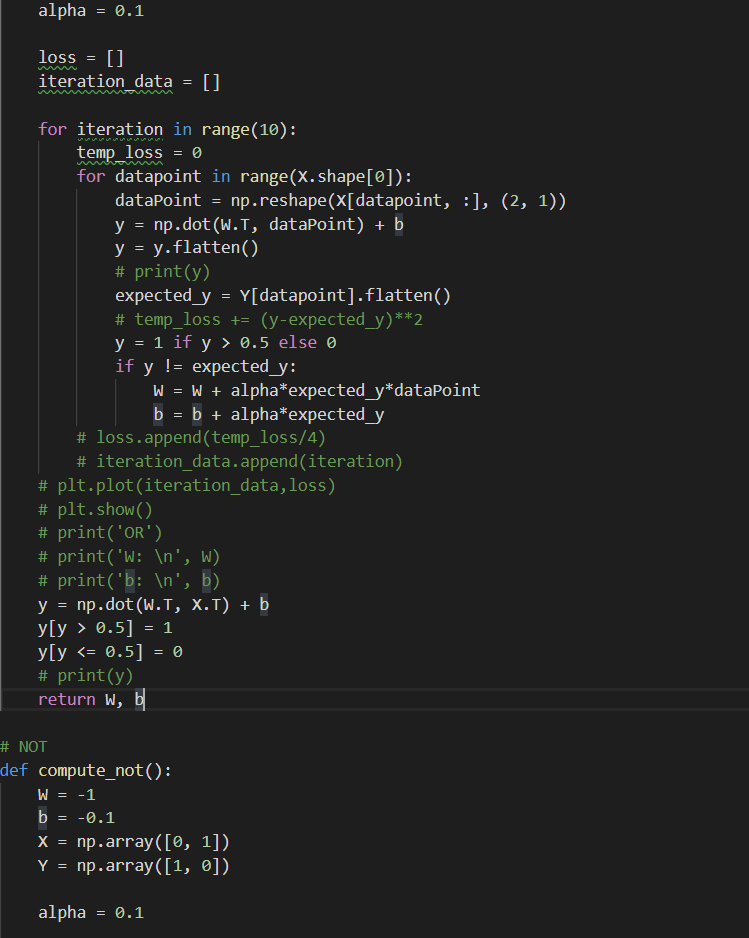


XNOR GATE

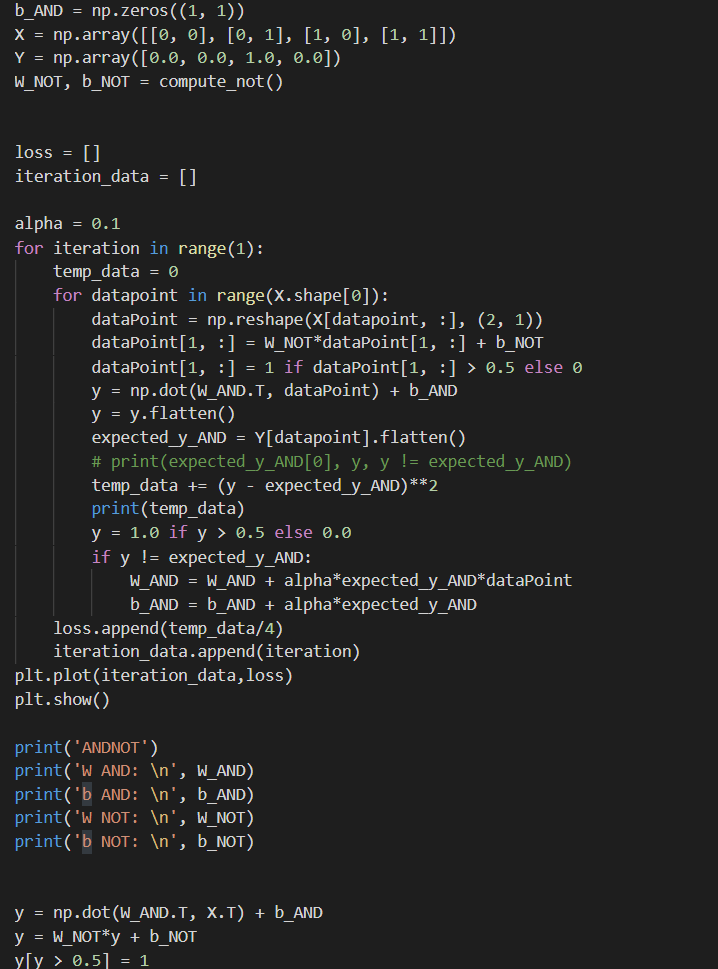


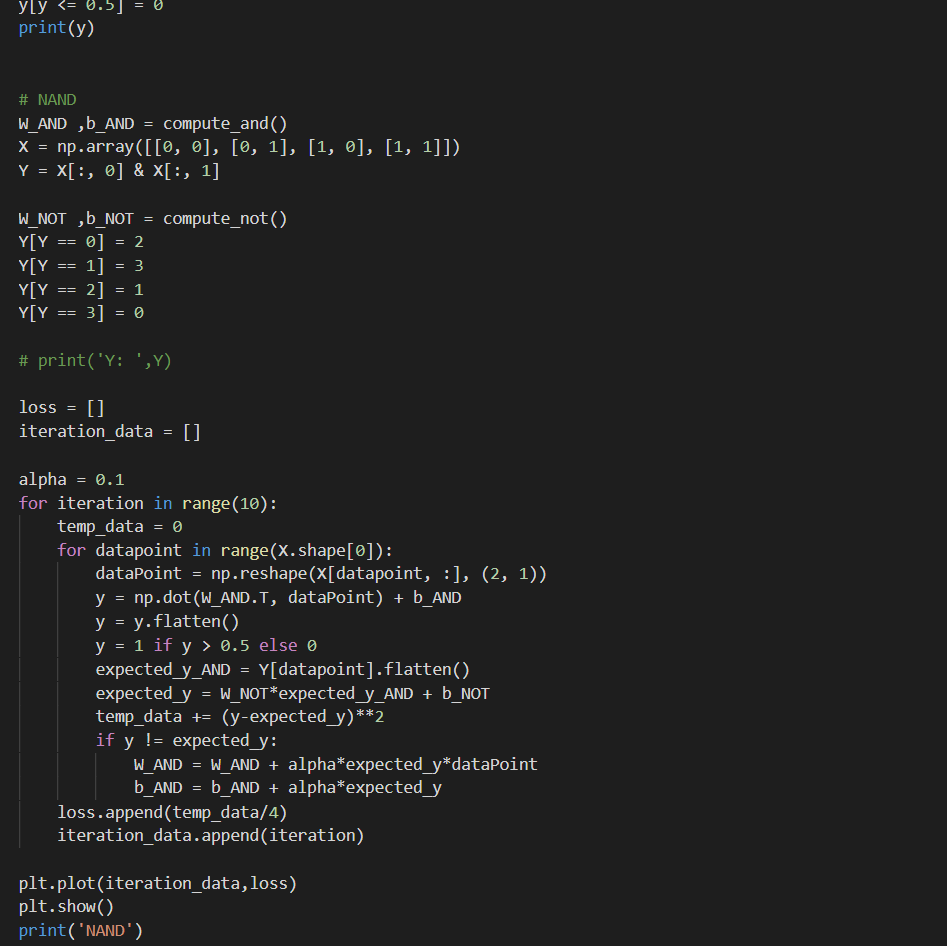
Code:

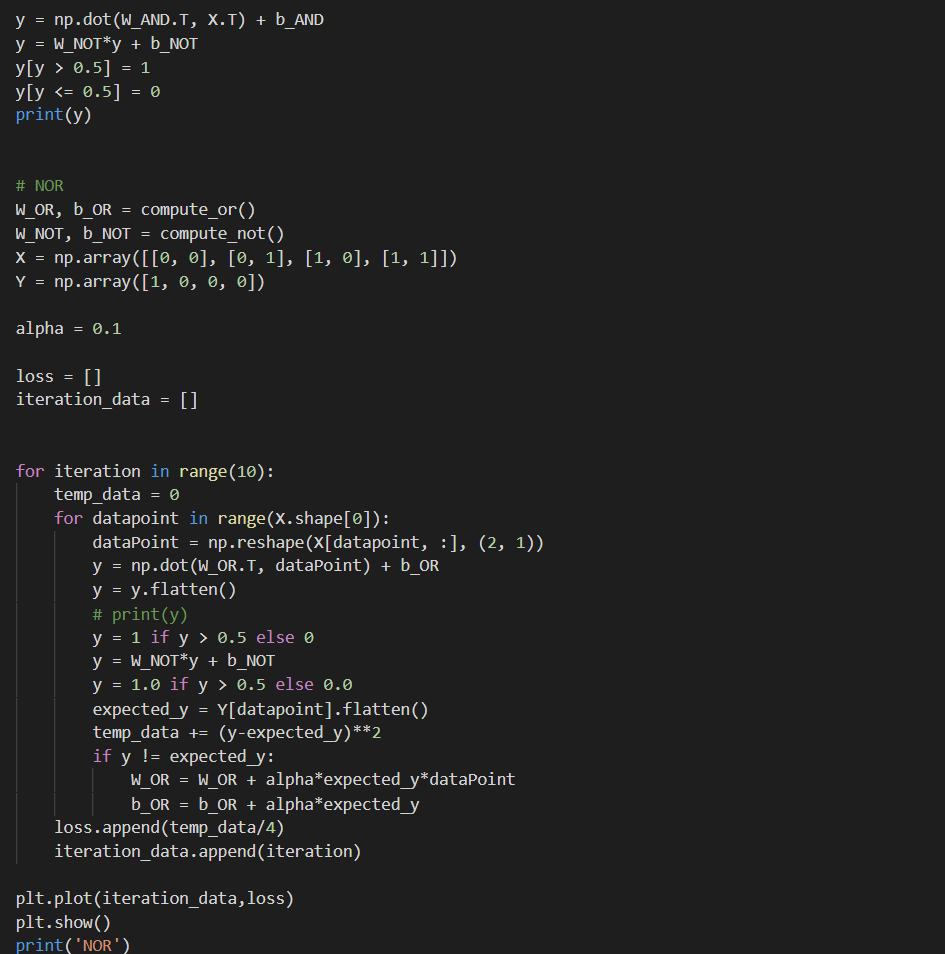


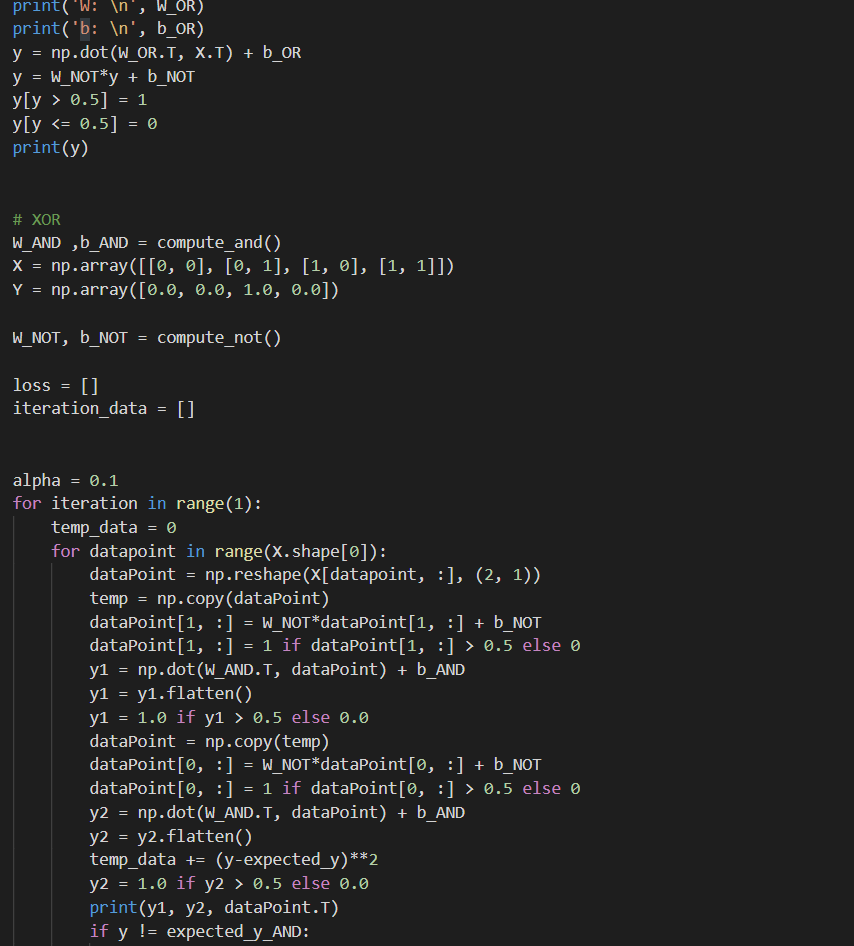


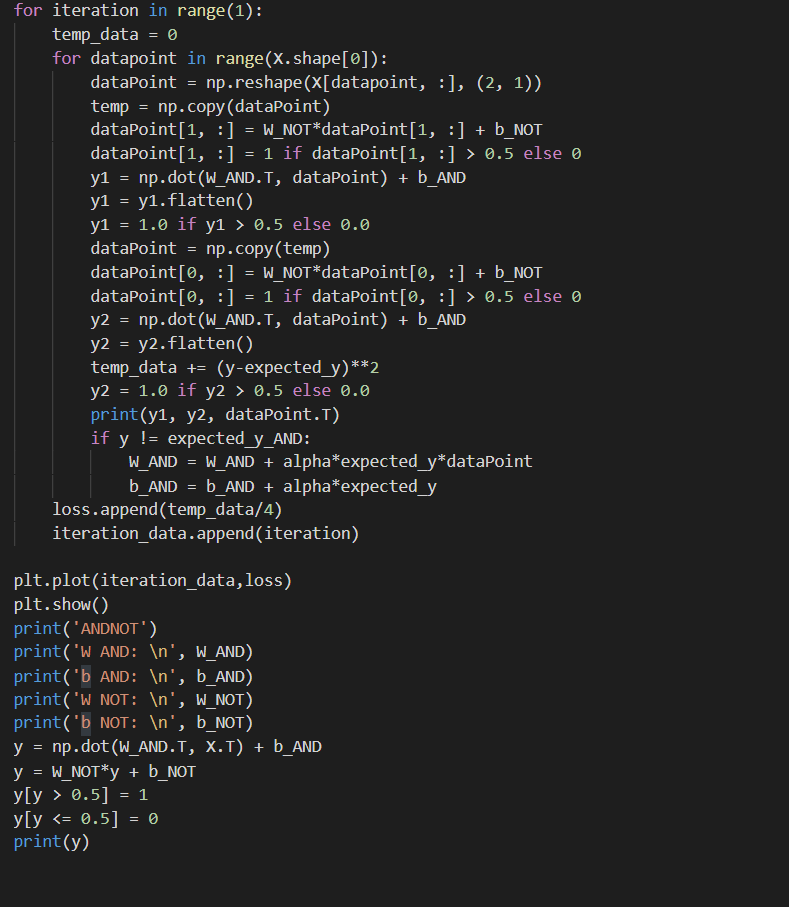












Q2:

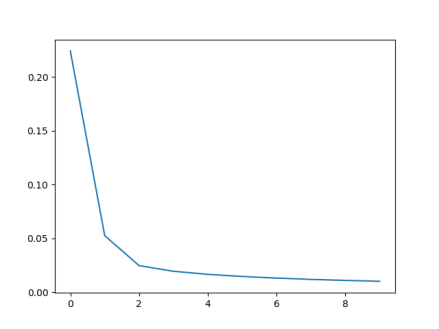
Optimal Parameters

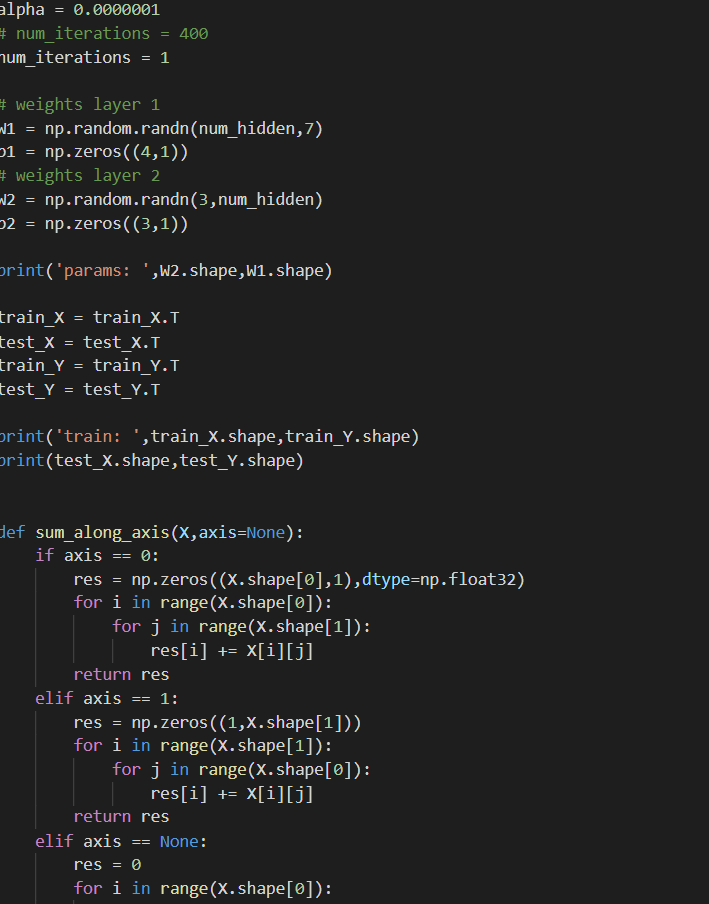
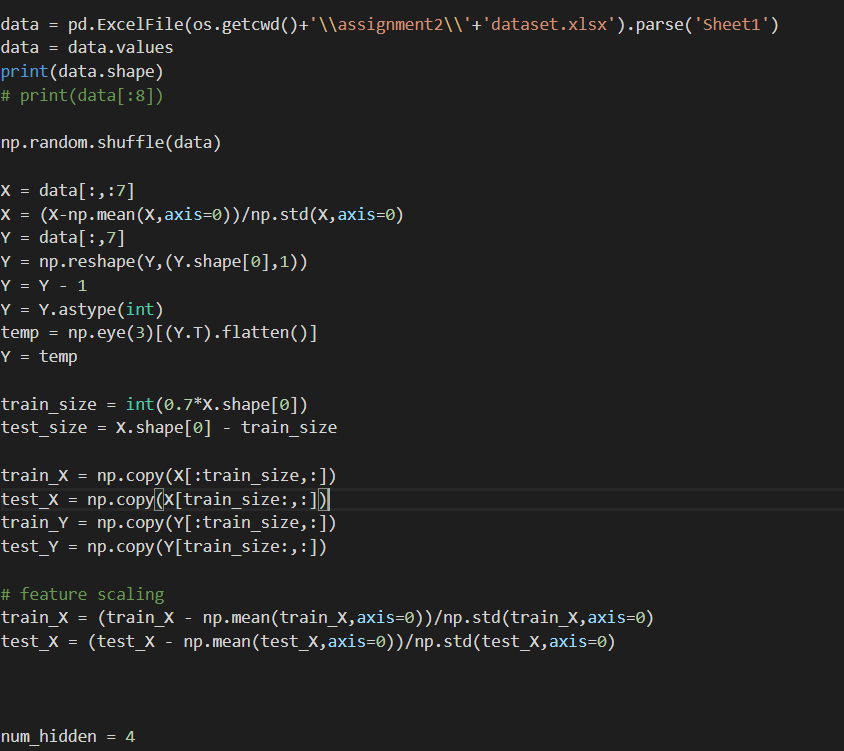
Number of neurons: 35

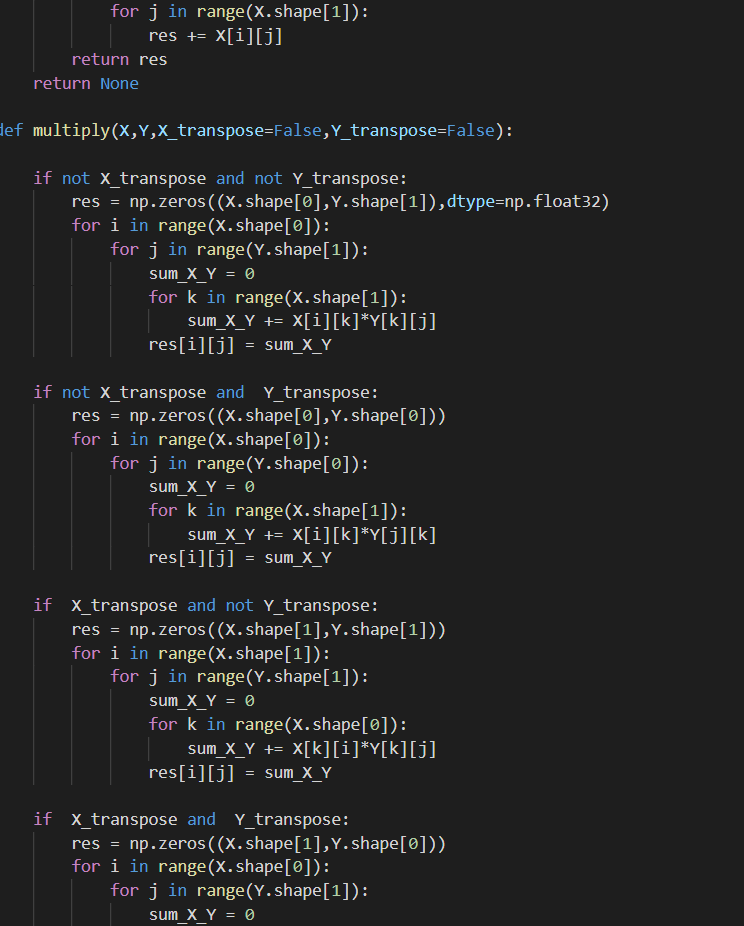
Best Accuracy:

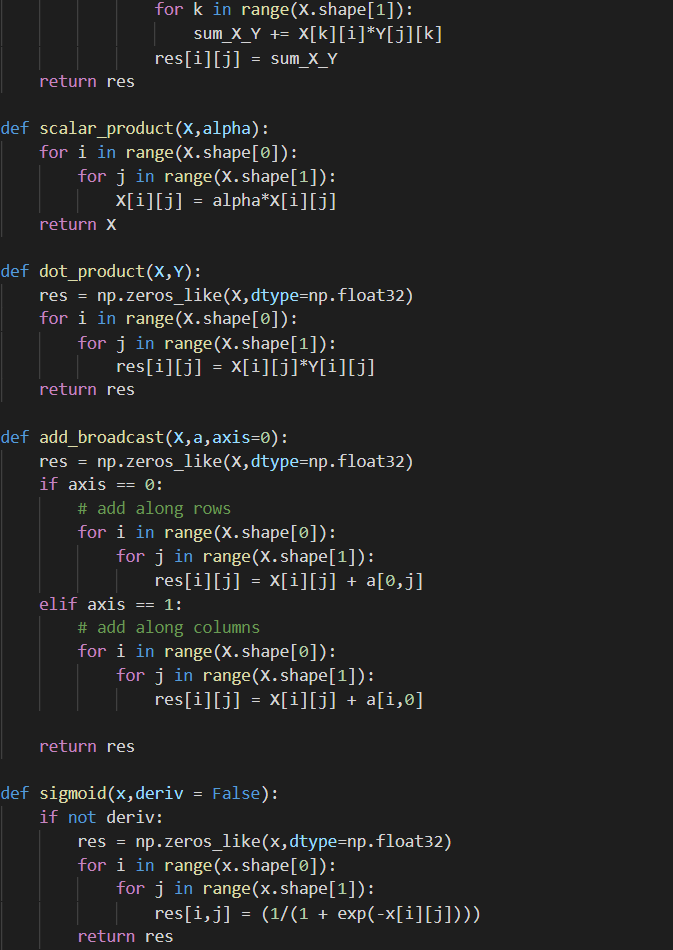
91.11111111111111

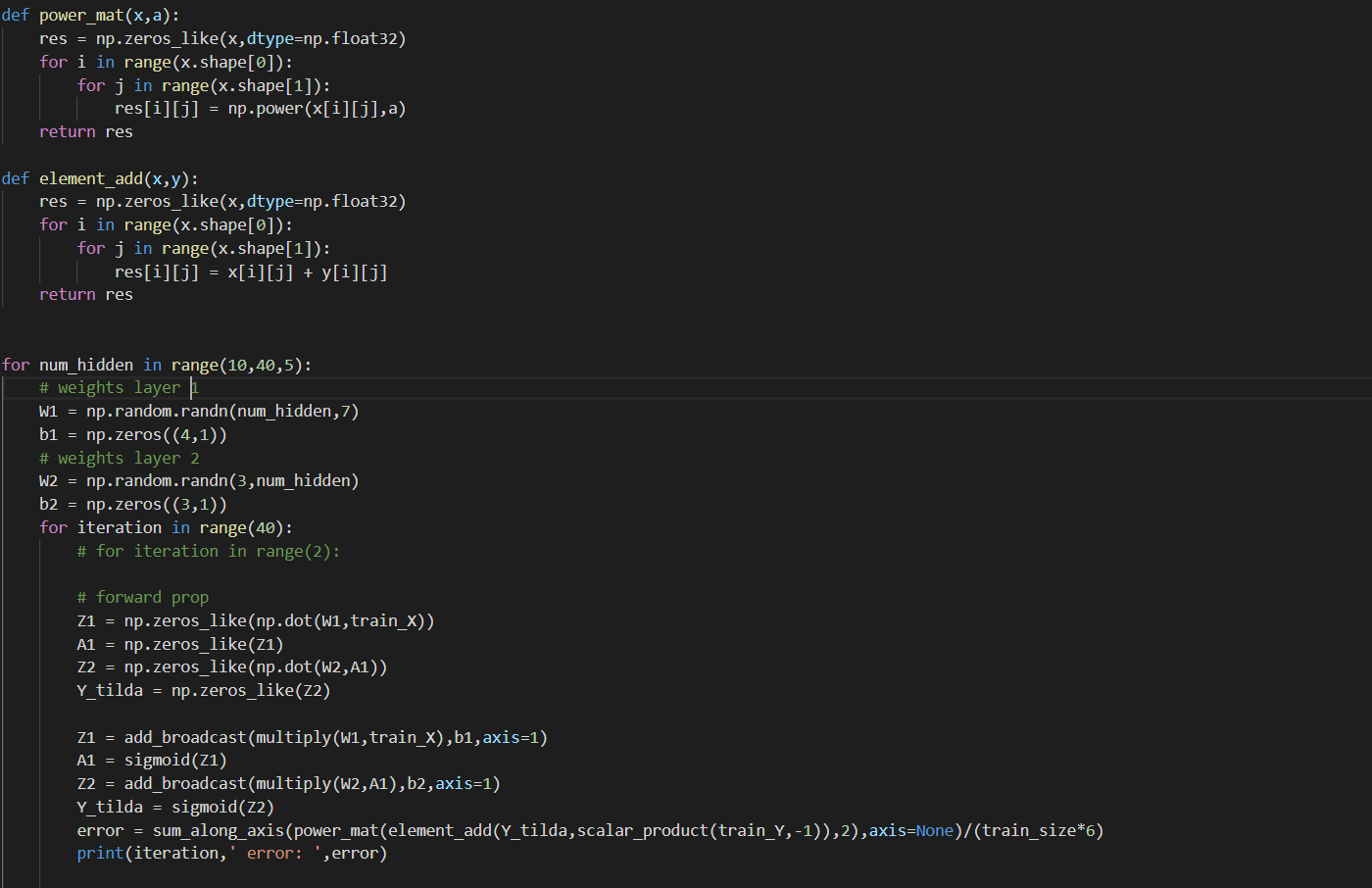
Plot

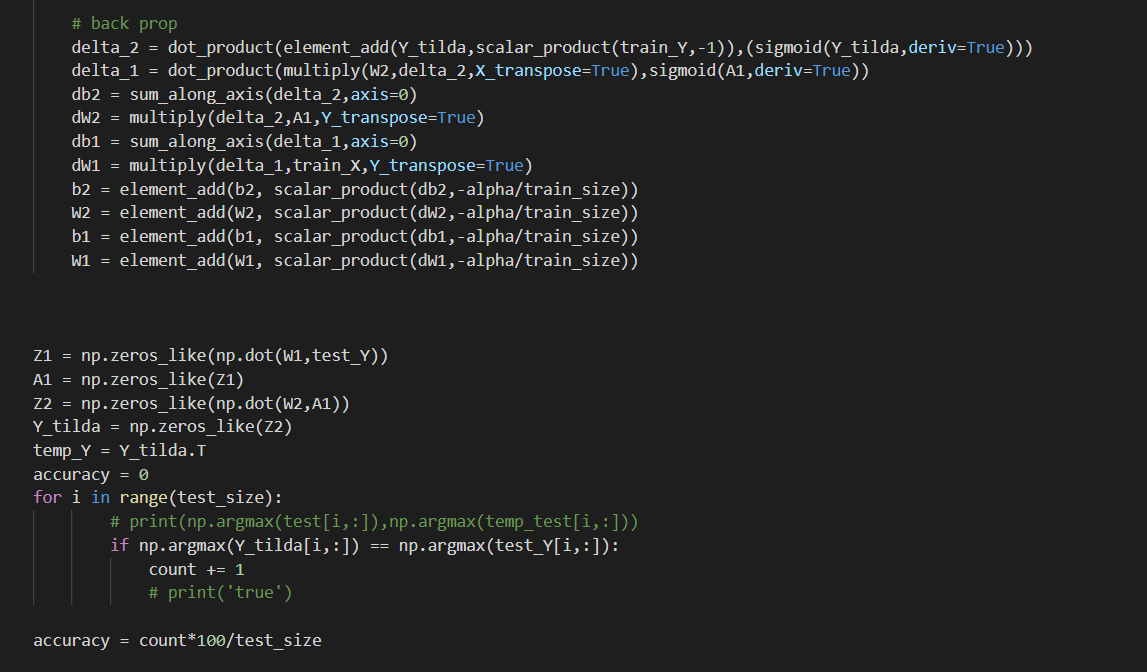


Code:





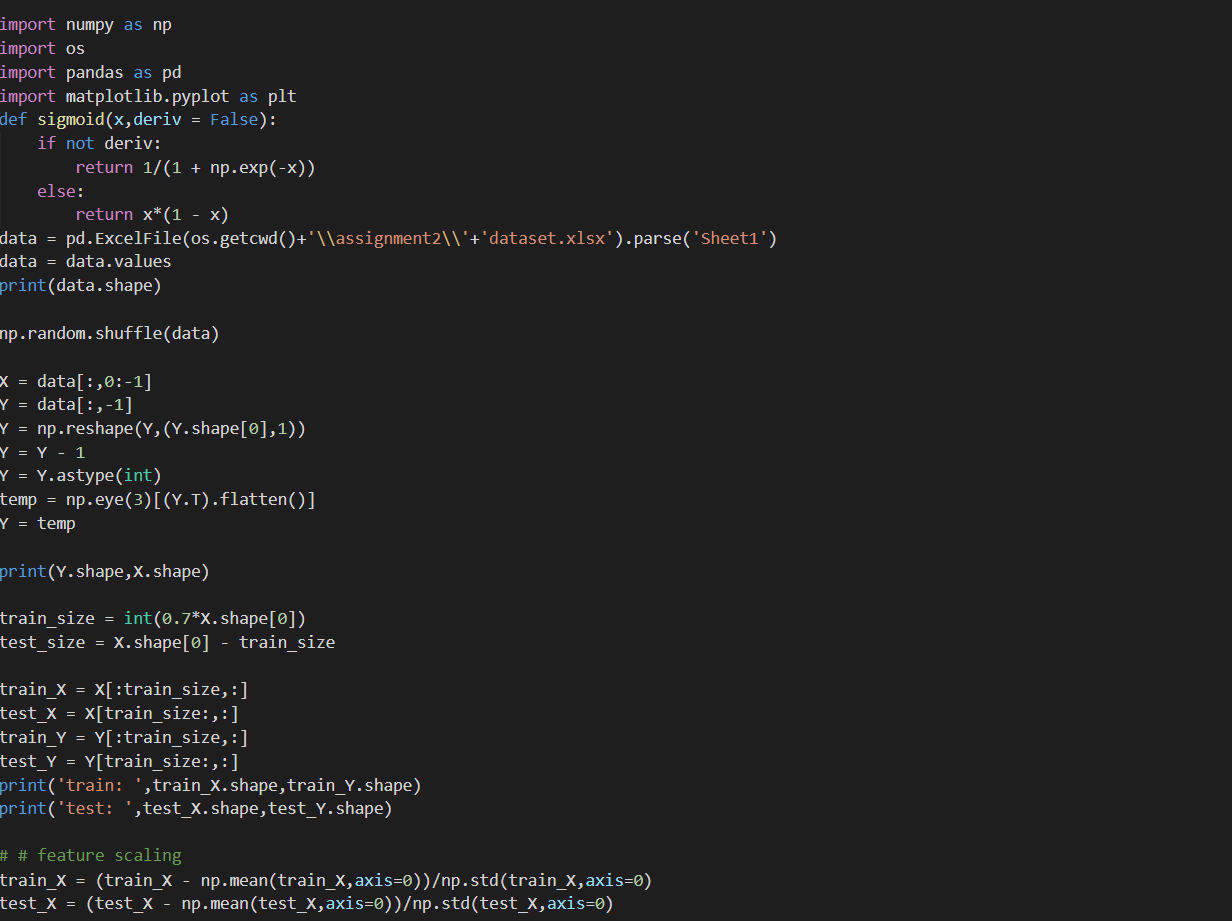


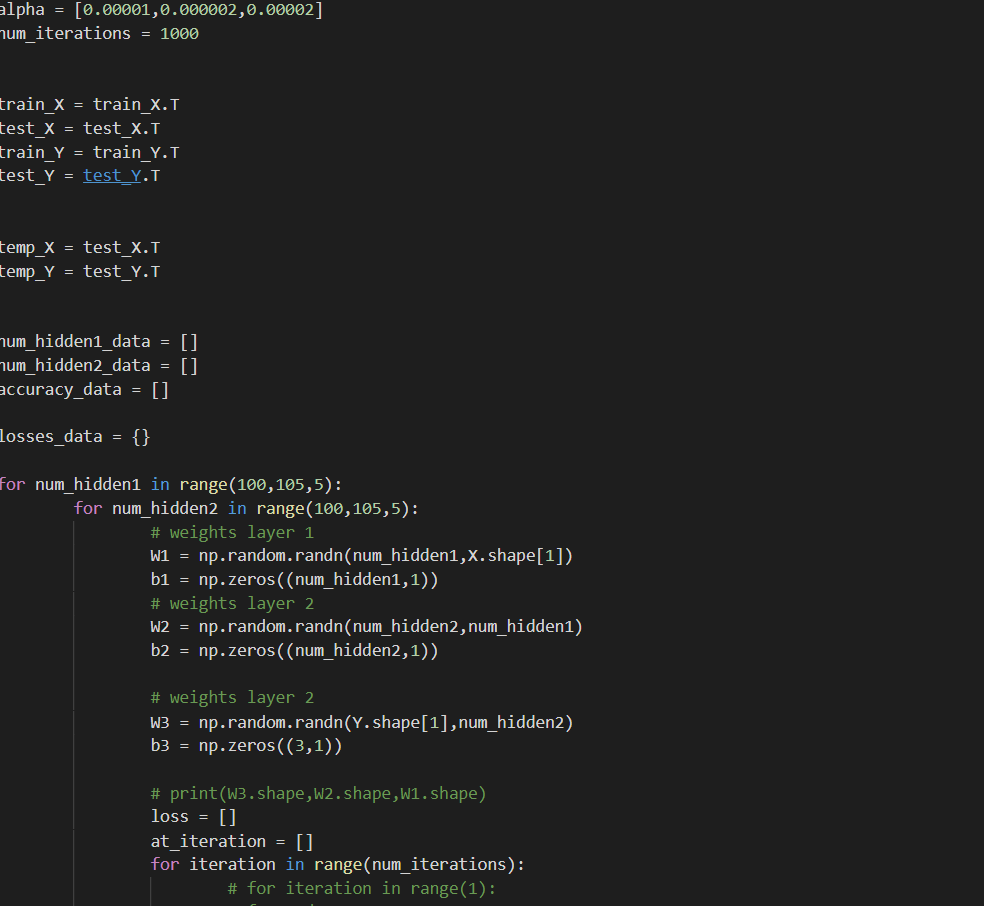


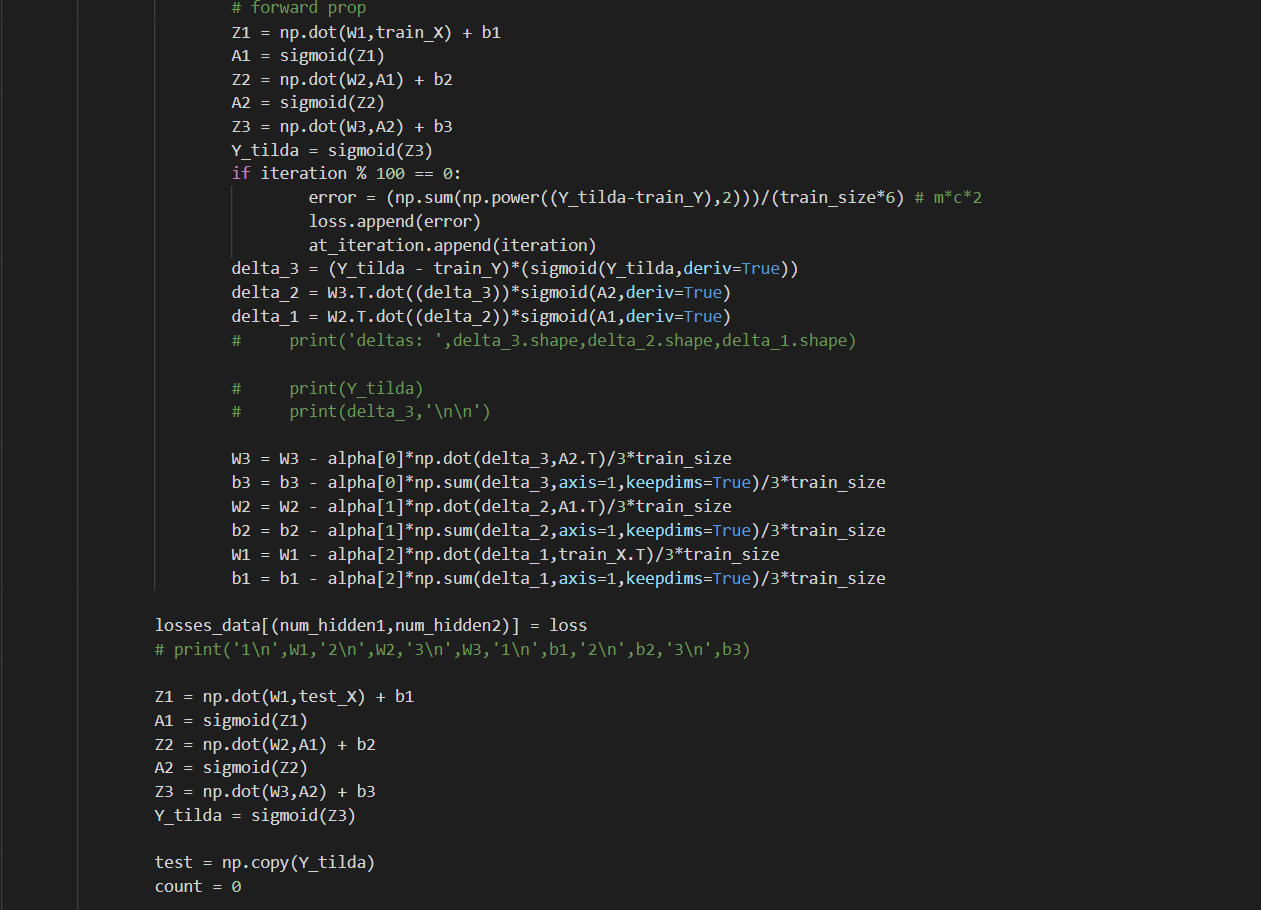
Q3:

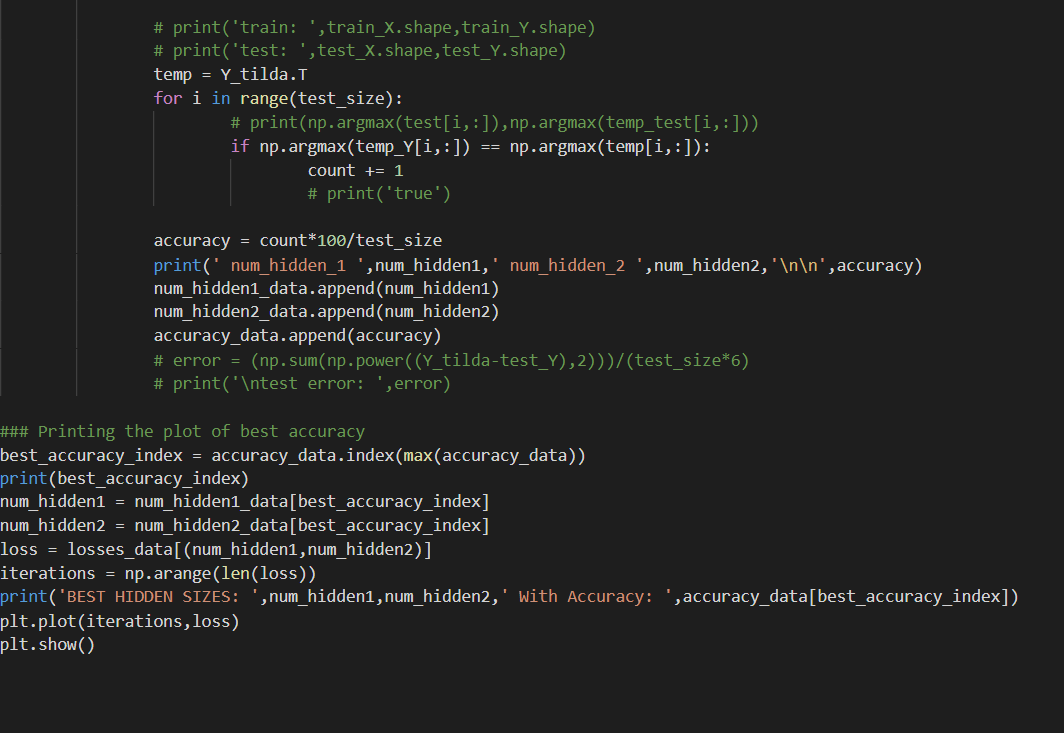
Best Neuron Sizes: 25,55

Best Accuracy: 97.77777777777777









Q4:

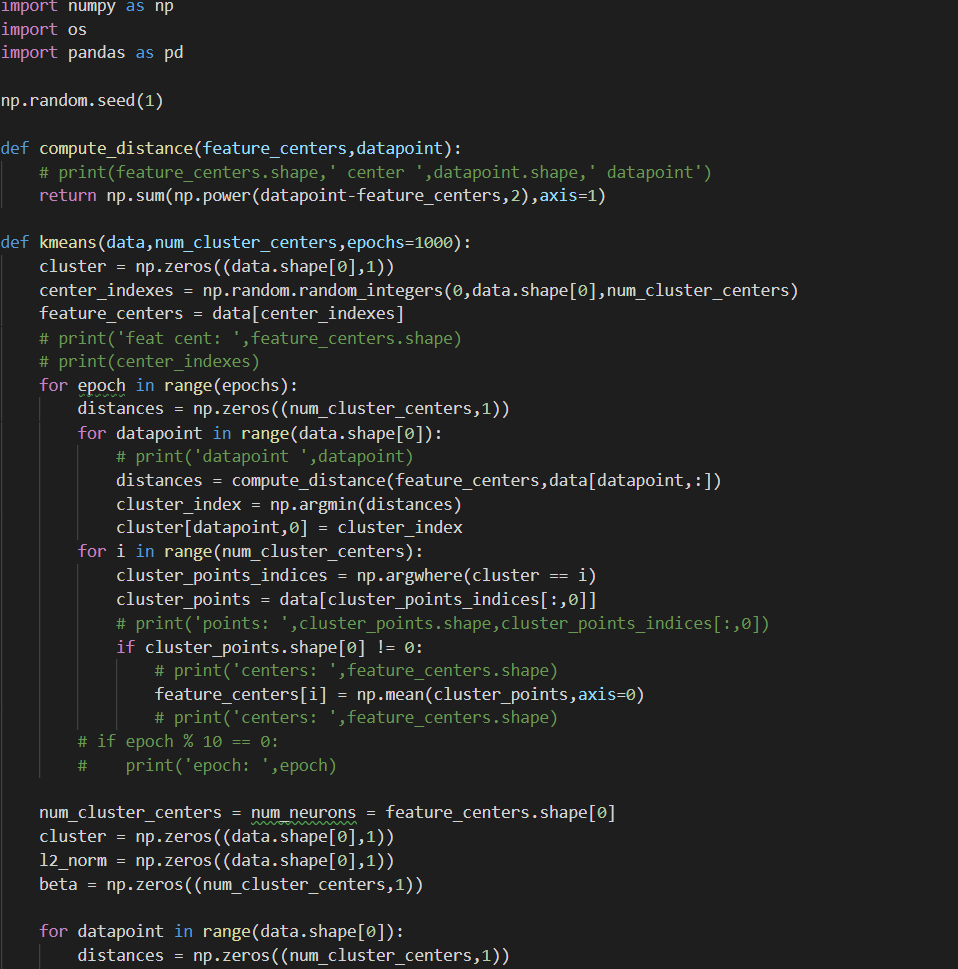
Best Number Of Cluster Centers:

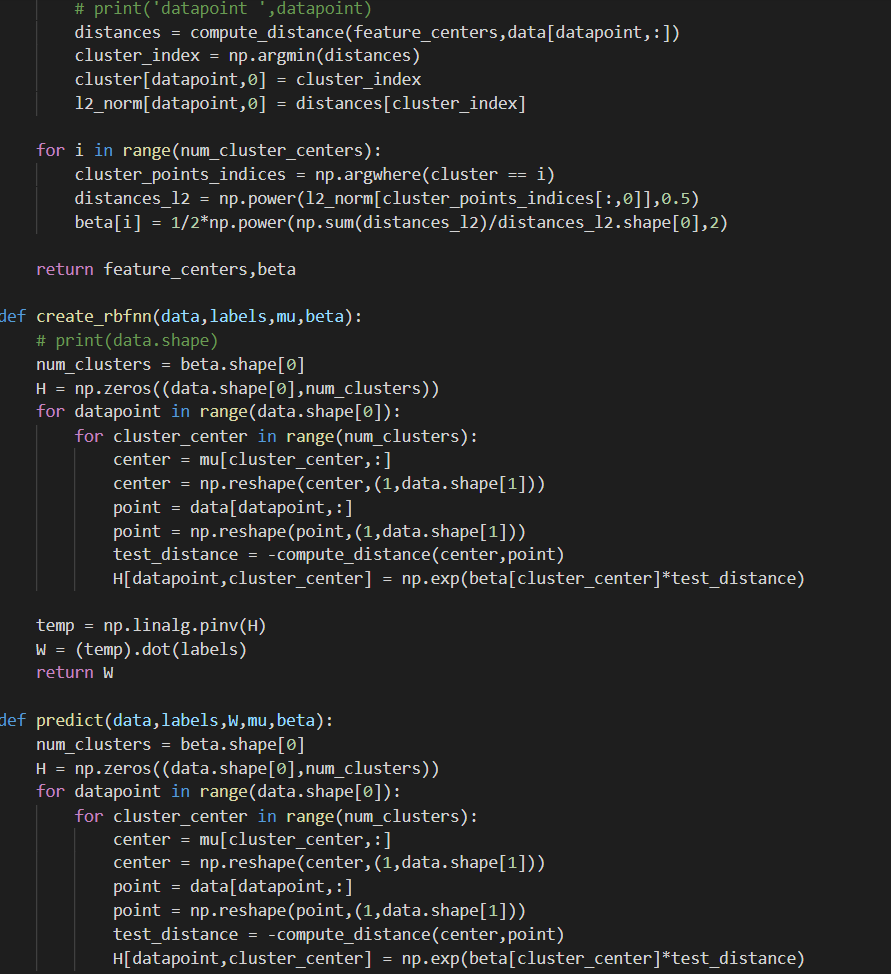
21

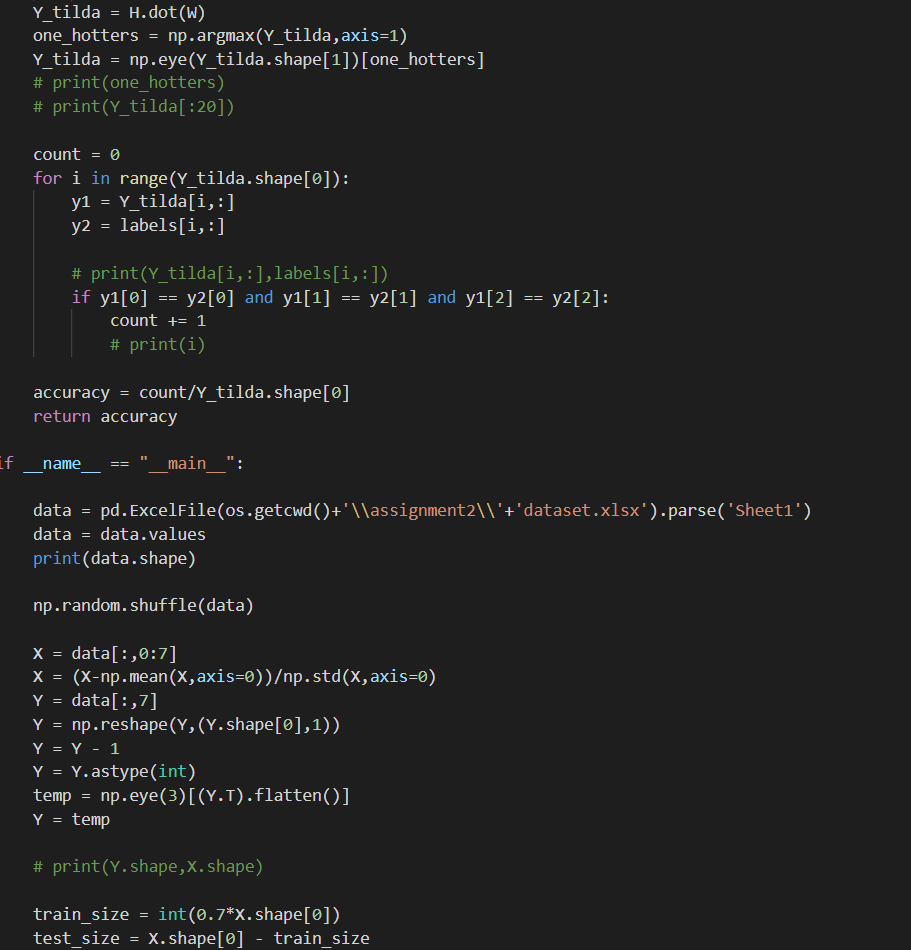
Best Accuracy:

accuracy 0.955555555555555

Code:









Q5:

Accuracy Found:

92.3076923076923

Code:

