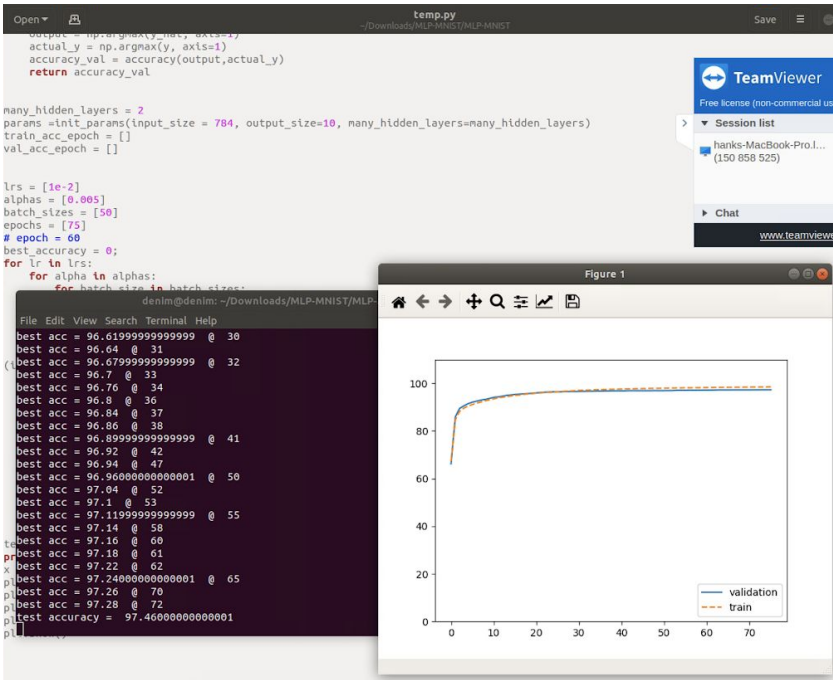
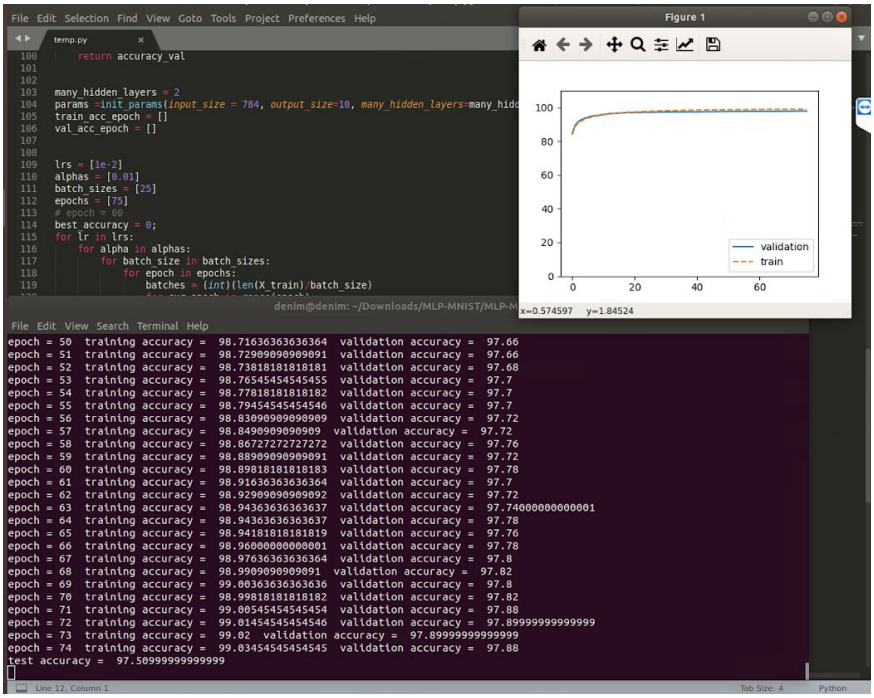


Nodes in layers = 75, 50
Learning rate: 10^-2
Alpha: 0.005
Batch size: 50
Epoch: 75

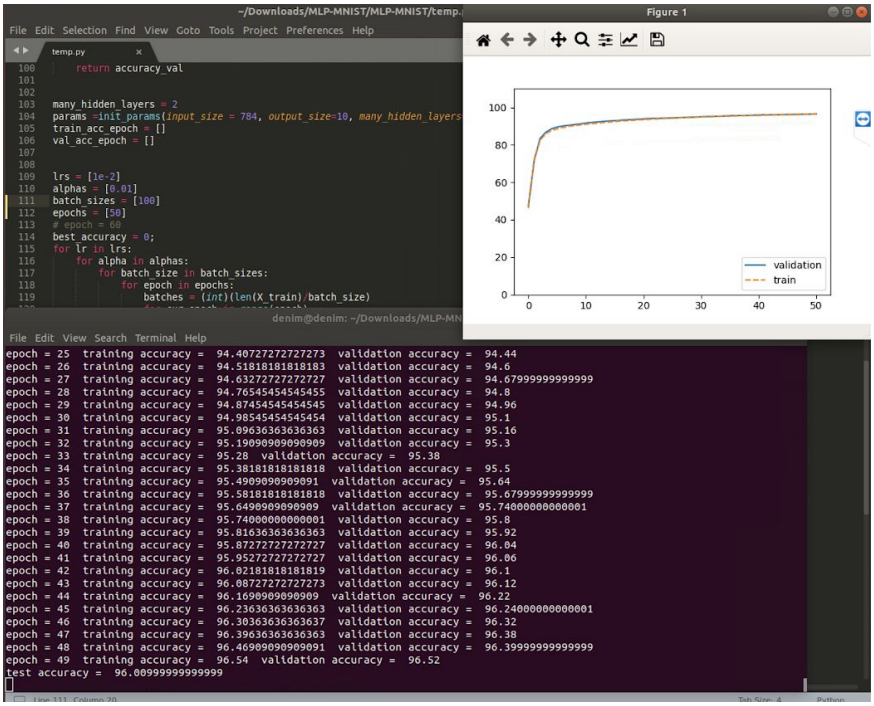
Test Accuracy = 97.46 %



Nodes in layers = 75, 50

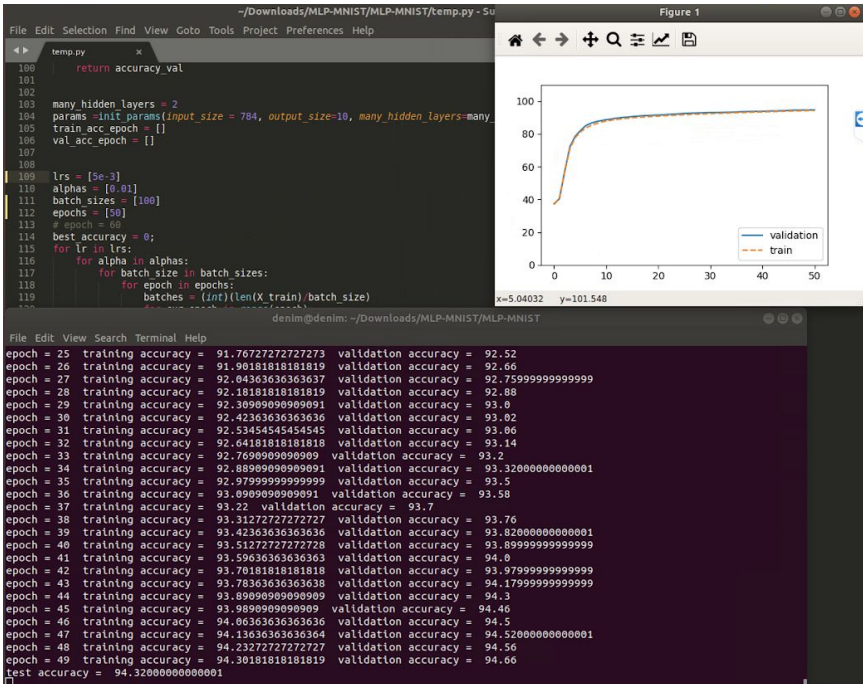
Learning rate: 10^-2
Alpha: 0.01
Batch size: 25
Epoch: 75

Test Accuracy = 97.50 %



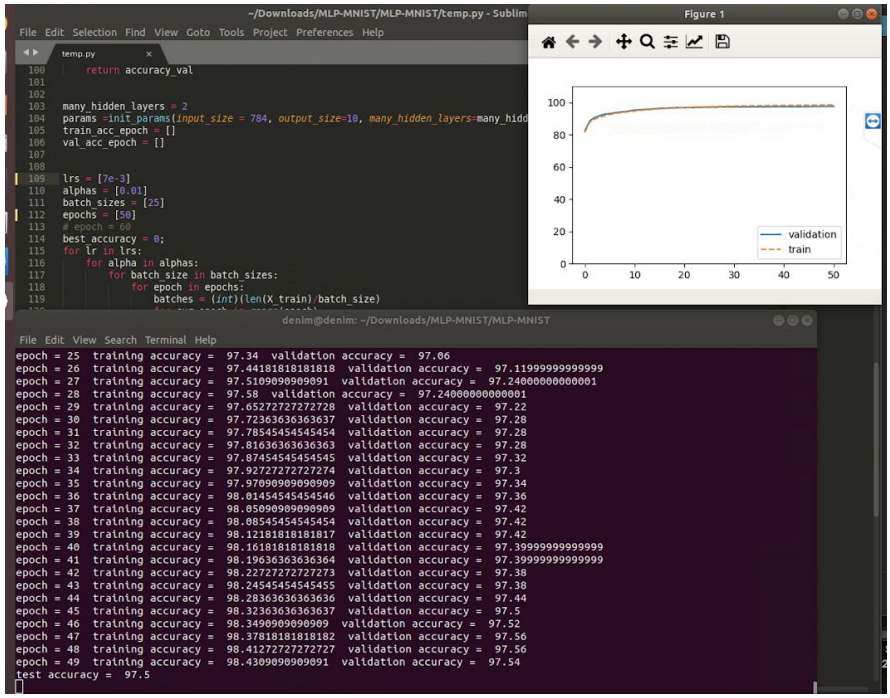
Nodes in layers = 75, 50
Layers:2
Learning rate: 10^-2
Alpha: 0.01
Batch size: 100
Epoch: 50

Test Accuracy = 96 %

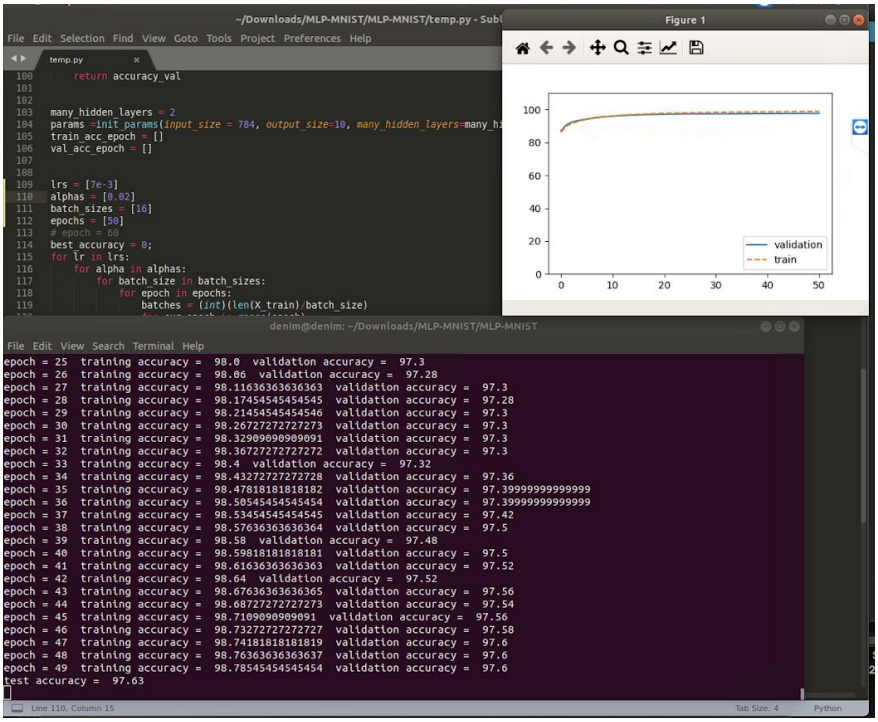


Layers :2
Nodes in layers = 75, 50

Learning rate: 5x10^-3
Alpha: 0.01
Batch size: 100
Epoch: 50
Test Accuracy = 94.32 %



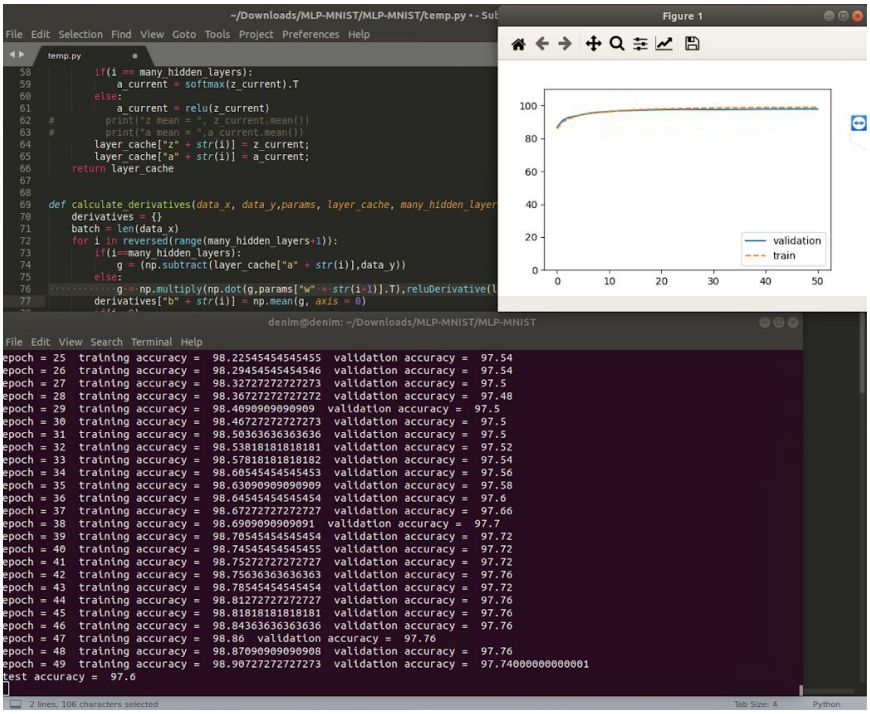
Layers: 2
Nodes in layers = 75, 50
Learning rate: 7x10^-2
Alpha: 0.01
Batch size: 25
Epoch: 50
Test Accuracy = 97.5 %



Layer: 2
Nodes in layers = 75, 50

Learning rate: 7*10^-3
Alpha: 0.02
Batch size: 16
Epoch: 50

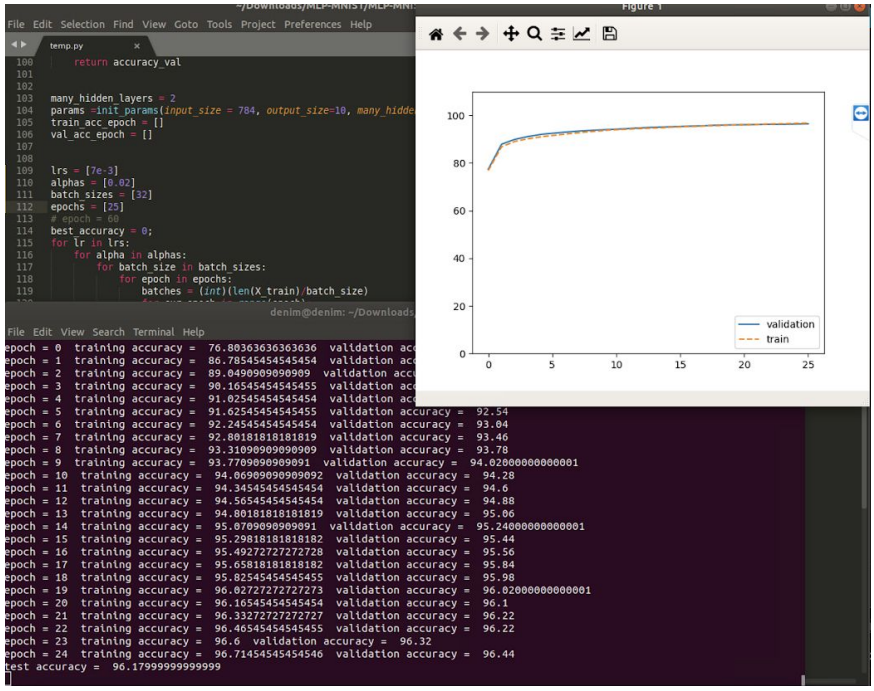
Test Accuracy = 97.63 %



No of nodes: 2
Nodes in layers = 75, 50

Learning rate: 10^-2
Alpha: 0.06
Batch size: 60
Epoch: 25

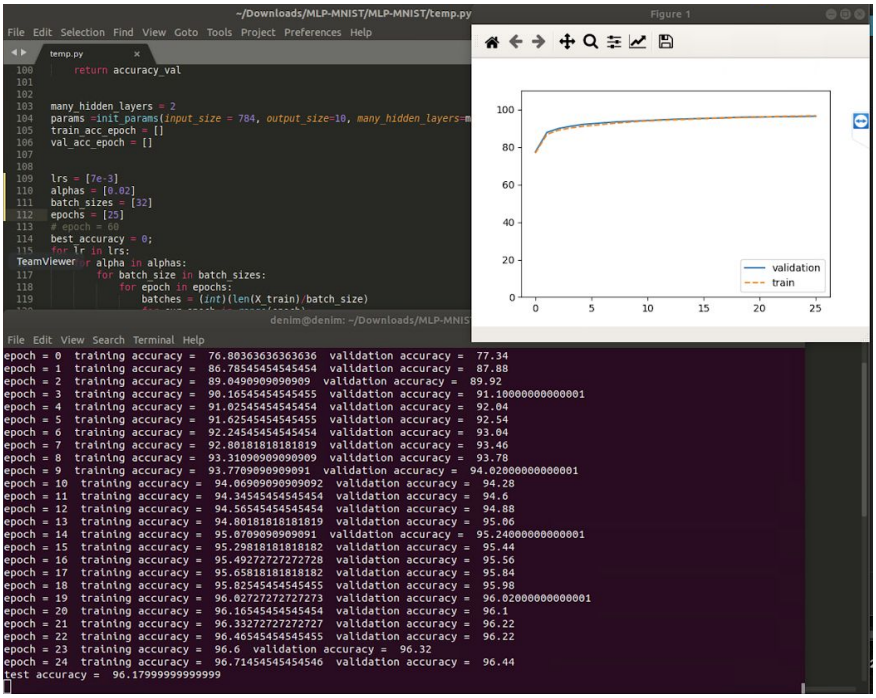
Test Accuracy = 97.6 %



No of layers: 2
Nodes in layers = 75, 50

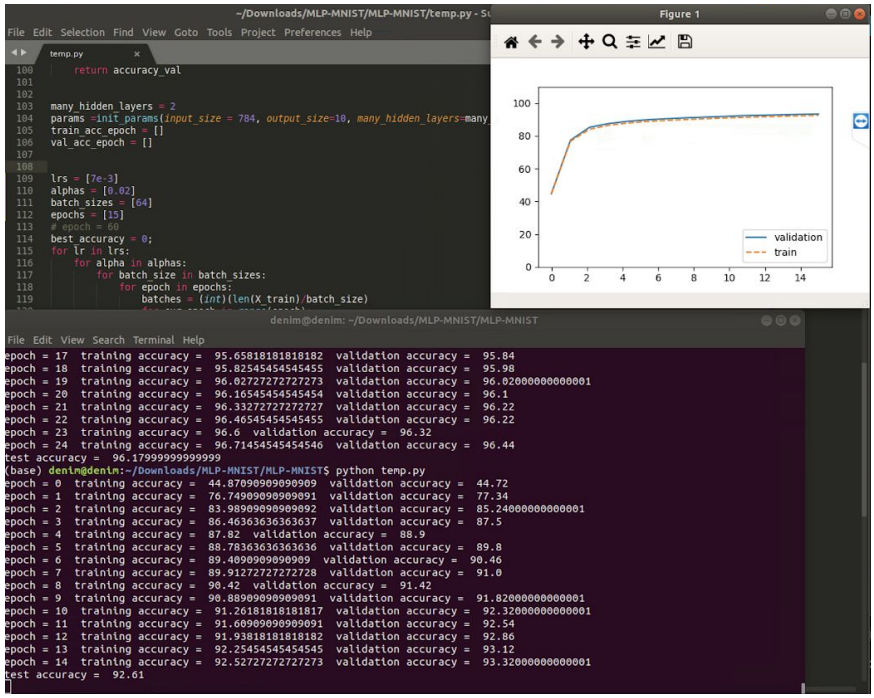
Learning rate: 7x10^-3
Alpha: 0.02
Batch size: 32
Epoch: 25

Test Accuracy = 96.17 %



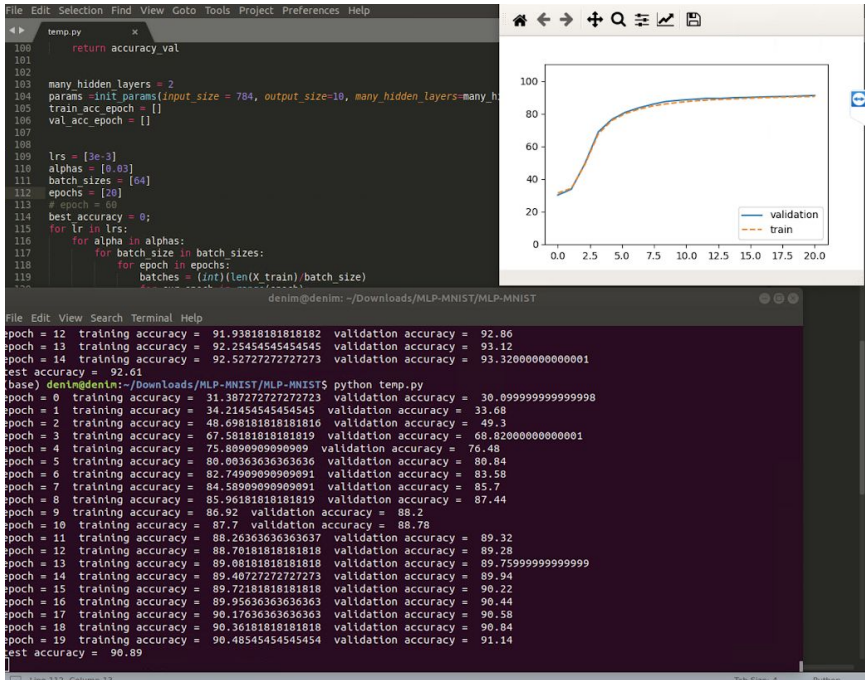
No of layers: 2
Nodes: 75, 50
Learning rate: 7x10^-2
Alpha: 0.02
Batch size: 32
Epoch: 25

Test Accuracy = 96.18 %



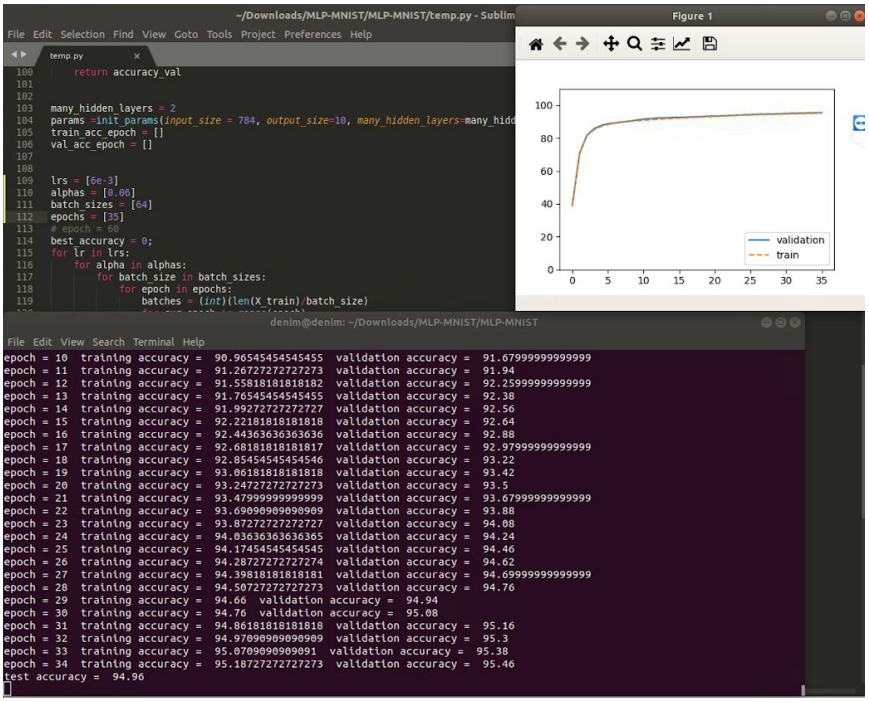
No of layers: 2
Nodes: 75, 50
Learning rate: 7x10^-2
Alpha: 0.02
Batch size: 64
Epoch: 15

Test Accuracy = 92.61 %



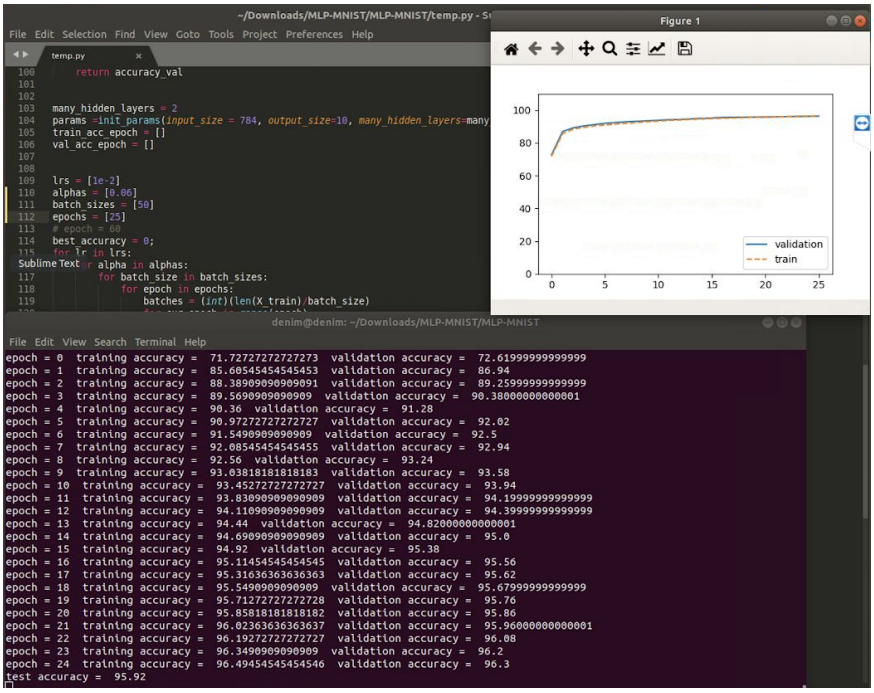
No of layers = 2
Nodes = 75, 50
Learning rate: 3x10^-3
Alpha: 0.03
Batch size: 64
Epoch: 20

Test Accuracy = 90.89 %



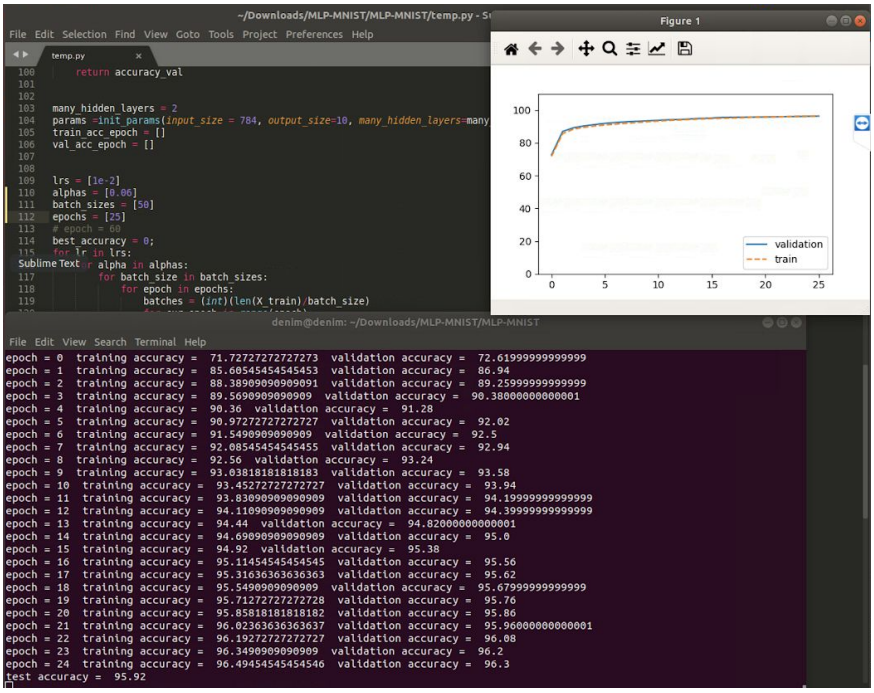
No of layers = 2
Nodes = 75, 50
Learning rate: 6x10^-2
Alpha: 0.06
Batch size: 64
Epoch: 35

Test Accuracy = 94.96 %



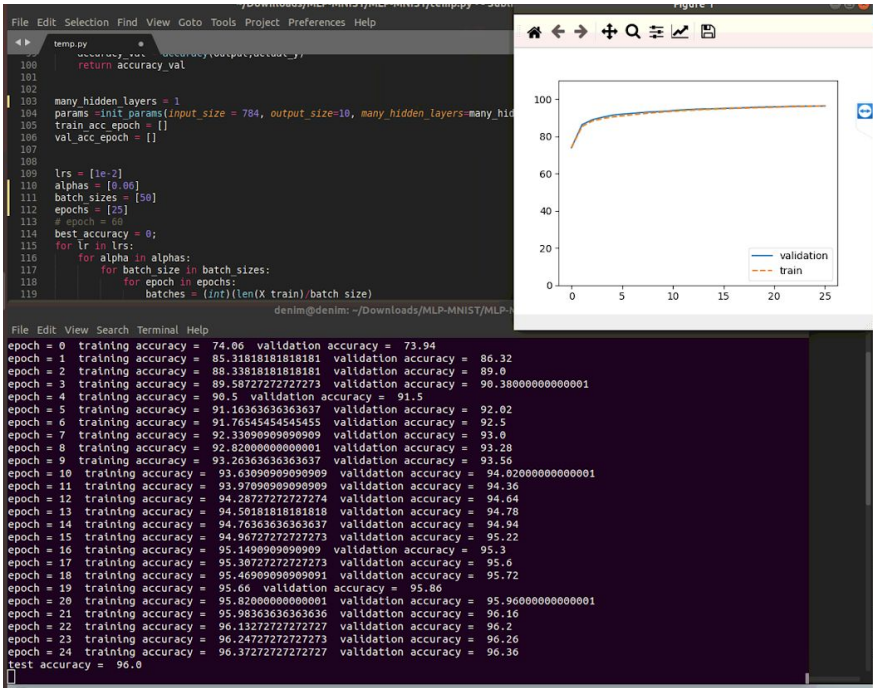
No of layers = 2
Learning rate: 10^-2
Nodes: 75, 50
Alpha: 0.06
Batch size: 60
Epoch: 25

Test Accuracy = 95.92 %



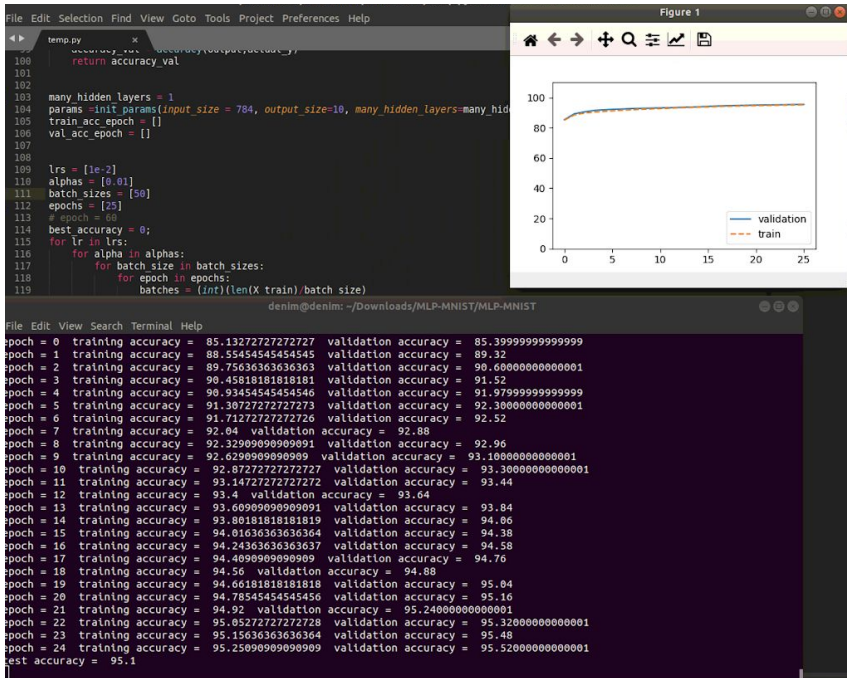
No of layers: 2
Nodes: 75, 50
Learning rate: 10^-2
Alpha: 0.06
Batch size: 60
Epoch: 25

Test Accuracy = 95.92 %



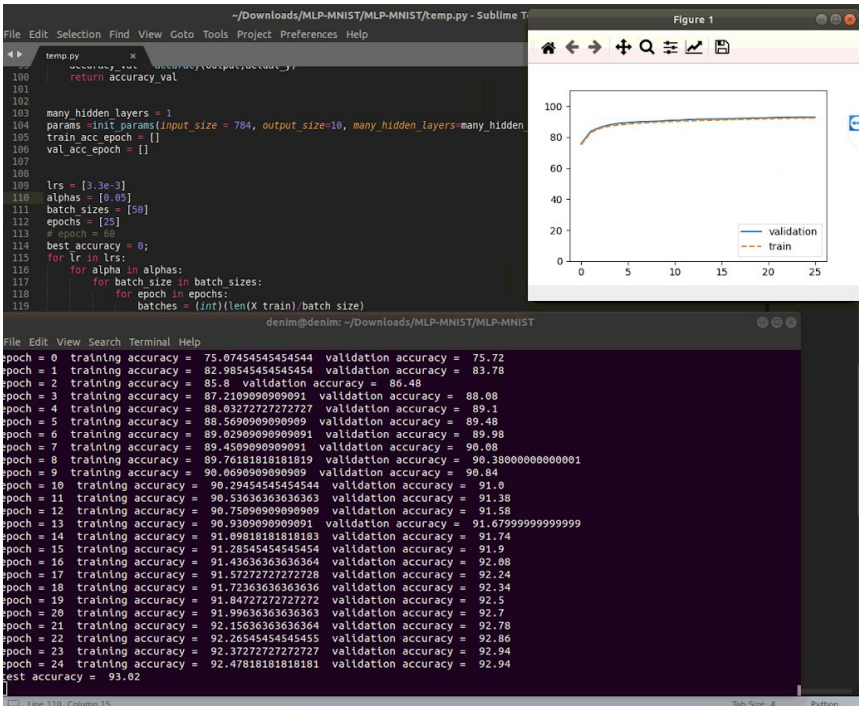
No of layers: 1
Nodes: 75
Learning rate: 10^-2
Alpha: 0.06
Batch size: 50
Epoch: 25

Test Accuracy = 96 %



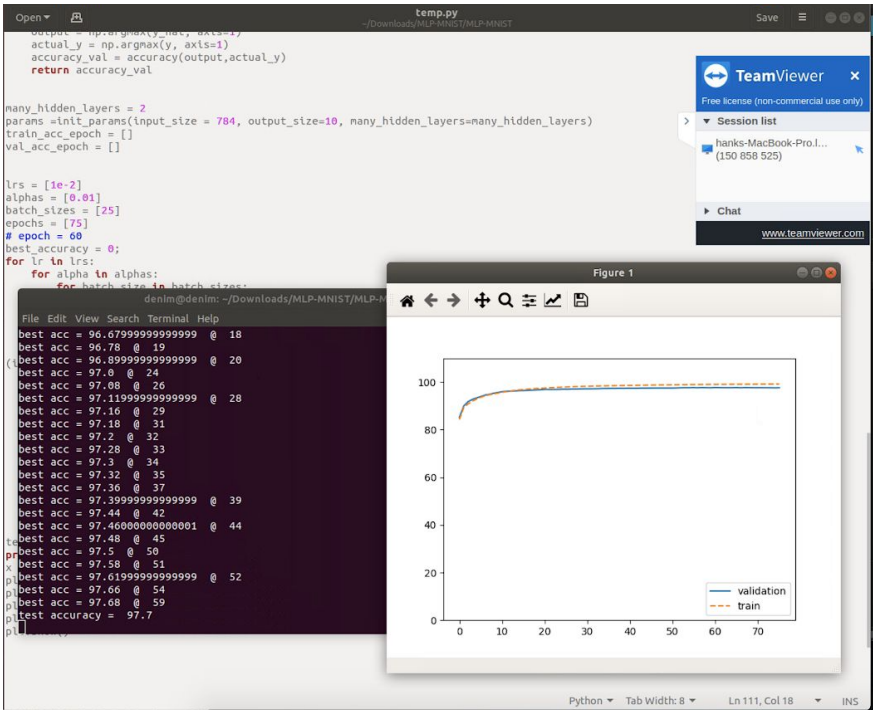
No of layers: 1
Nodes: 75
Learning rate: 10^-2
Alpha: 0.01
Batch size: 50
Epoch: 25

Test Accuracy = 95.1 %



No of layers: 1
Nodes = 75
Learning rate: 3.3^-3
Alpha: 0.05
Batch size: 50
Epoch: 25

Test Accuracy = 93.02 %



No of layers: 2
Nodes = 75, 50
Learning rate: 10^-2
Alpha: 0.01
Batch size: 25
Epoch: 75

Test Accuracy = 97.7 % <- Hyper Parameter