Network architecture: 784, 300, 100, 10

Total epochs: 55

Best accuracy achieved: 97.15% or a 2.85% error rate at epoch 46

Learning rate: 0.1

End of epoch 0

Percentage correctly identified: 92.78

End of epoch 1

Percentage correctly identified: 94.44

End of epoch 2

Percentage correctly identified: 95.33

End of epoch 3

Percentage correctly identified: 95.78

End of epoch 4

Percentage correctly identified: 96.09

End of epoch 5

Percentage correctly identified: 96.22

End of epoch 6

Percentage correctly identified: 96.39

End of epoch 7

Percentage correctly identified: 96.53

End of epoch 8

Percentage correctly identified: 96.67

End of epoch 9

Percentage correctly identified: 96.78999999999999

End of epoch 10

Percentage correctly identified: 96.72

**\*Changed learning rate to 0.02**

End of epoch 11

Percentage correctly identified: 96.91

End of epoch 12

Percentage correctly identified: 96.96000000000001

End of epoch 13

Percentage correctly identified: 97.0

End of epoch 14

Percentage correctly identified: 97.03

End of epoch 15

Percentage correctly identified: 97.05

End of epoch 16

Percentage correctly identified: 97.07000000000001

End of epoch 17

Percentage correctly identified: 97.07000000000001

End of epoch 18

Percentage correctly identified: 97.05

End of epoch 19

Percentage correctly identified: 97.04

End of epoch 20

Percentage correctly identified: 97.05

End of epoch 21

Percentage correctly identified: 97.06

End of epoch 22

Percentage correctly identified: 97.06

End of epoch 23

Percentage correctly identified: 97.09

End of epoch 24

Percentage correctly identified: 97.11

End of epoch 25

Percentage correctly identified: 97.13000000000001

End of epoch 26

Percentage correctly identified: 97.11999999999999

End of epoch 27

Percentage correctly identified: 97.14

End of epoch 28

Percentage correctly identified: 97.14

End of epoch 29

Percentage correctly identified: 97.14

End of epoch 30

Percentage correctly identified: 97.15

End of epoch 31

Percentage correctly identified: 97.13000000000001

End of epoch 32

Percentage correctly identified: 97.13000000000001

End of epoch 33

Percentage correctly identified: 97.11999999999999

End of epoch 34

Percentage correctly identified: 97.11999999999999

End of epoch 35

Percentage correctly identified: 97.13000000000001

End of epoch 36

Percentage correctly identified: 97.11999999999999

End of epoch 37

Percentage correctly identified: 97.13000000000001

End of epoch 38

Percentage correctly identified: 97.11

End of epoch 39

Percentage correctly identified: 97.09

End of epoch 40

Percentage correctly identified: 97.13000000000001

End of epoch 41

Percentage correctly identified: 97.13000000000001

End of epoch 42

Percentage correctly identified: 97.13000000000001

End of epoch 43

Percentage correctly identified: 97.15

End of epoch 44

Percentage correctly identified: 97.14

End of epoch 45

Percentage correctly identified: 97.15

End of epoch 46

Percentage correctly identified: 97.15

**\*Changed learning rate to 0.005**

End of epoch 47

Percentage correctly identified: 97.11

End of epoch 48

Percentage correctly identified: 97.1

End of epoch 49

Percentage correctly identified: 97.09

End of epoch 50

Percentage correctly identified: 97.1

End of epoch 51

Percentage correctly identified: 97.11

End of epoch 52

Percentage correctly identified: 97.11

End of epoch 53

Percentage correctly identified: 97.11999999999999

End of epoch 54

Percentage correctly identified: 97.11999999999999