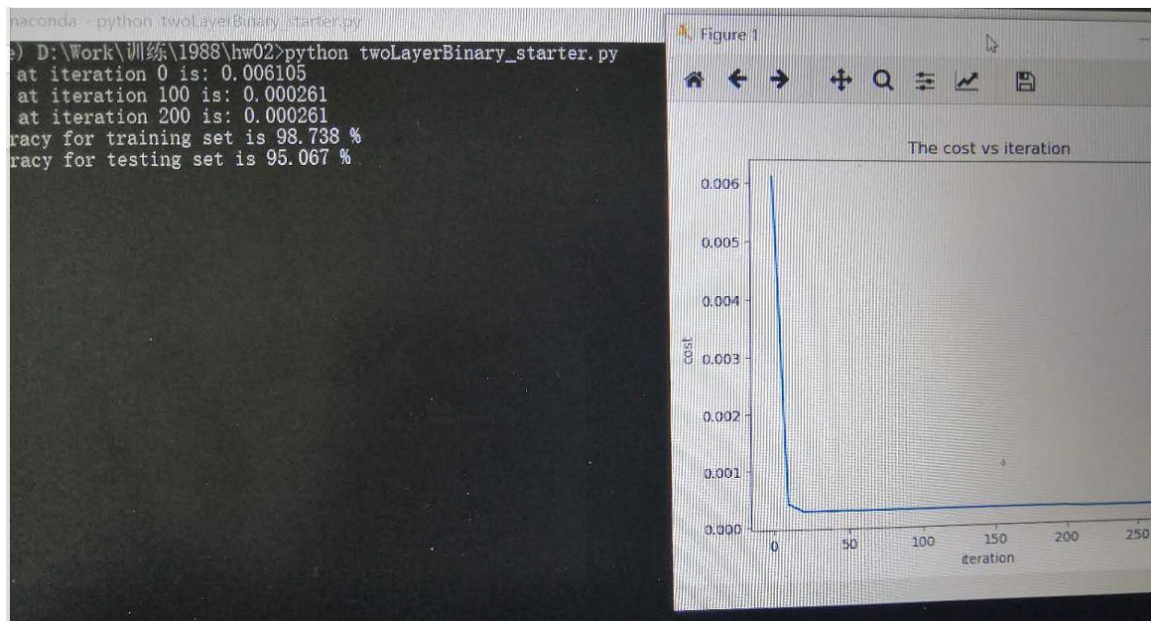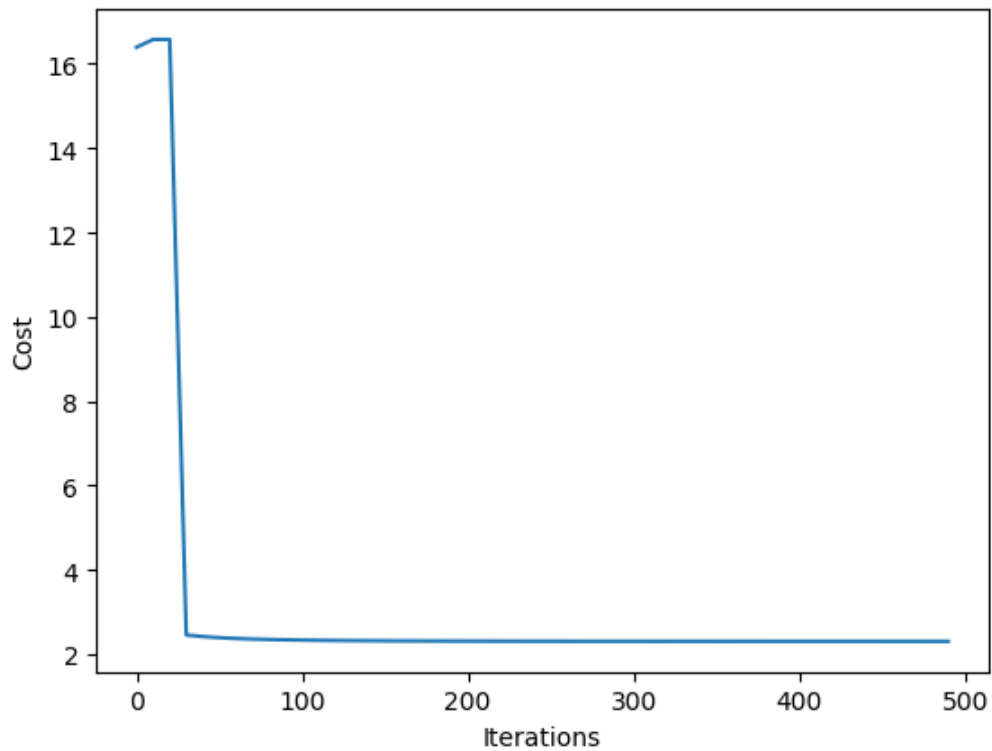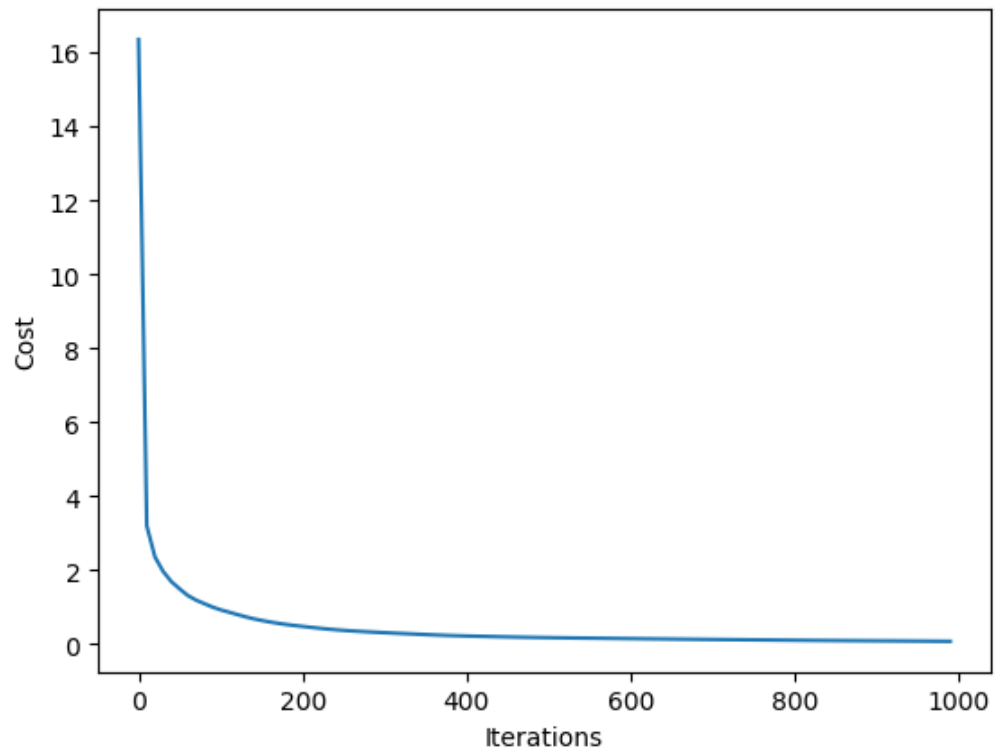Two-layer neural network for a binary classifier
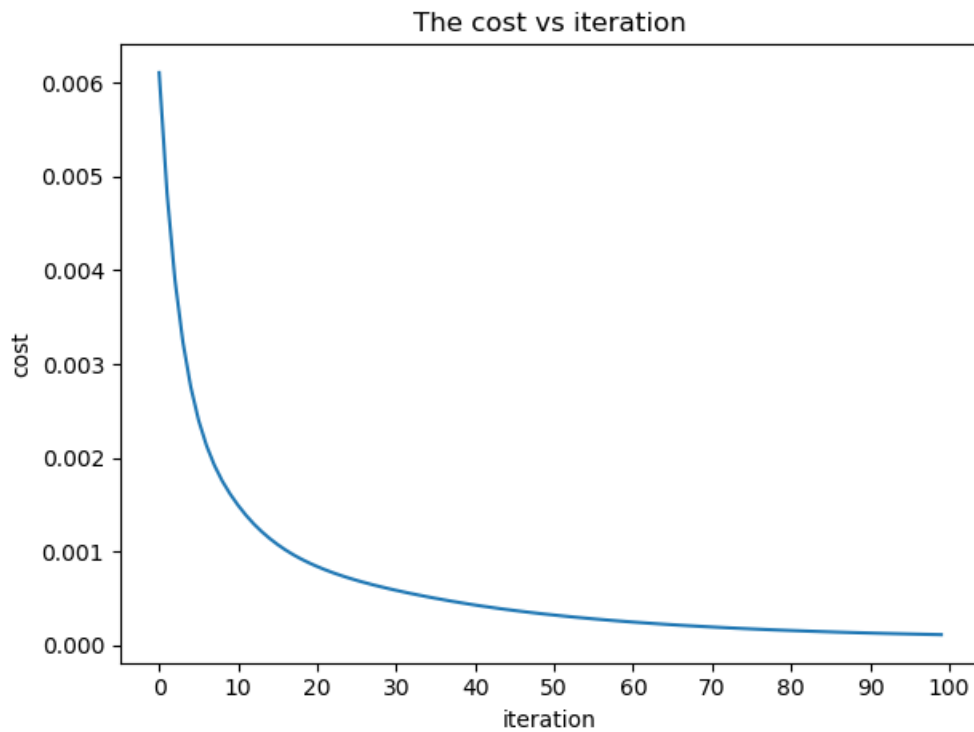

Multi-layer neural network for multi-classclassifier

1 hidden

2 hidden

The cost vs iteration


```
ase) D:\Work\训练\1988\hw02>python deepMultiClassNetwork_starter.py "[784,800,500]"
twork dimensions are:[784, 800, 500, 300, 10]
st at iteration 0 is: 4.66748, learning rate: 0.20000
st at iteration 100 is: 0.28693, learning rate: 0.10000
st at iteration 200 is: 0.19865, learning rate: 0.06667
st at iteration 300 is: 0.16122, learning rate: 0.05000
st at iteration 400 is: 0.13874, learning rate: 0.04000
ccuracy for training set is 96.950 %
ccuracy for testing set is 91.500 %
```