CS3600 Project4 (Q6 - Q8)

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Q5 5 Iterations with given hyperparameters

```
for i in range(5):
print ('\n Pen data iteration %d:'%(i+1))
testPenData()
print ('\n Car data iteration %d:'%(i+1))
testCarData()
```

Accuracy	Max	Average	Standard Deviation
TestPen	0.975	0.921	0.027
TestCar	0.985	0.98	0.034

Q6 Varying the hidden layer

	TestPen	TestCar
0	0	0.74
5	0.844483	0.97
10	0.88279	0.98
15	0.886792	0.98
20	0.903659	0.97
25	0.904231	0.975
30	0.906518	0.965
35	0.90223	0.975
40	0.90566	0.975

```
for j in range(9):
hiddenLayer = [j*5]
print ('\n Pen data with %d hidden layers:'%(j*5))
buildNeuralNet(penData, maxItr = 200, hiddenLayerList = hiddenLayer)
print ('\n Car data with %d hidden layers:'%(j*5))
buildNeuralNet(carData, maxItr = 200, hiddenLayerList = hiddenLayer)
```

