Tuning screenshot (last tunings)

```
tunning attempt#: 26
settings (epochs, hidden units, learning rate, mbatch size, regularization params) : 25 50 0.001 16 (0.8, 0.2, 0.8, 0.2)
validation accuracy: 0.9708
tunning attempt#: 27
settings (epochs, hidden units, learning rate, mbatch size, regularization params): 25 50 0.001 128 (0.5, 0.5, 0.5, 0.5)
validation accuracy: 0.9698
tunning attempt#: 28
settings (epochs, hidden units, learning rate, mbatch size, regularization params): 25 50 0.001 128 (0.8, 0.2, 0.8, 0.2)
validation accuracy: 0.9716
tunning attempt#: 29
settings (epochs, hidden units, learning rate, mbatch size, regularization params): 25 50 0.05 16 (0.5, 0.5, 0.5, 0.5)
validation accuracy: 0.0958
tunning attempt#: 30
settings (epochs, hidden units, learning rate, mbatch size, regularization params): 25 50 0.05 16 (0.8, 0.2, 0.8, 0.2)
validation accuracy: 0.8872
tunning attempt#: 31
settings (epochs, hidden units, learning rate, mbatch size, regularization params): 25 50 0.05 128 (0.5, 0.5, 0.5, 0.5)
validation accuracy: 0.0958
tunning attempt#: 32
settings (epochs, hidden units, learning rate, mbatch size, regularization params): 25 50 0.05 128 (0.8, 0.2, 0.8, 0.2)
validation accuracy: 0.0958
best params: (epochs, hidden units, learning rate, mbatch size, regularization params)
best params: (50, 0.001, 16, 25, (0.5, 0.5, 0.5, 0.5))
best params validation accuracy: 0.9746
```

Training accuracy and loss during last 20 epochs, screenshot

epoch: 12

unregularized cost: 0.0903967277799858

accuracy: 0.9740727272727273

epoch: 13

unregularized cost: 0.08535286556204344

accuracy: 0.9756363636363636

epoch: 14

unregularized cost: 0.08087952334116008

accuracy: 0.9771090909090909

epoch: 15

unregularized cost: 0.07686359634470075

accuracy: 0.9783454545454545

epoch: 16

unregularized cost: 0.07321425011062516

accuracy: 0.9794909090909091

epoch: 17

unregularized cost: 0.06991058587235675

accuracy: 0.9805636363636364

epoch: 18

unregularized cost: 0.06672035902900644

accuracy: 0.9816909090909091

epoch: 19

unregularized cost: 0.06403613909748535

accuracy: 0.9823454545454545

epoch: 20

unregularized cost: 0.06144808435440717

accuracy: 0.9832181818181818

epoch : 21

unregularized cost: 0.05899219012303412

accuracy: 0.9838363636363636

epoch : 22

unregularized cost: 0.05700502152135914

accuracy: 0.9844

epoch: 23

unregularized cost: 0.05484850323874236

accuracy: 0.9847272727272727

epoch: 24

unregularized cost: 0.05303916203953581

accuracy: 0.9851090909090909

epoch: 25

unregularized cost: 0.05131062100211073

accuracy: 0.9855454545454545

Testing accuracy, loss, after training, screenshot

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Accuracy on the testing set: 0.9712 Unregularized cost: 0.09186164036053165

