CS4342 Homework 3
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Prof. Whitehill

Part 1:
b) c)

```
Loss: 762.4913579063409
Loss: 710.288128453076
Loss: 717.1287858406145
Loss: 735.7935551572152
Loss: 753.5389867769825
Loss: 730.610621906236
Loss: 740.418742841879
Loss: 689.5026465614003
Loss: 730.4552081354642
Loss: 732.351899657862
Loss: 671.3642188855202
Loss: 751.7654926915002
Loss: 726.040144947148
Loss: 790.4397416429407
Loss: 763.8485005353152
Loss: 767.2738535068792
Loss: 732.6385689064651
Loss: 778.5110243960335
Train Acc: 0.8518166666666667
Test Acc: 0.8348
```

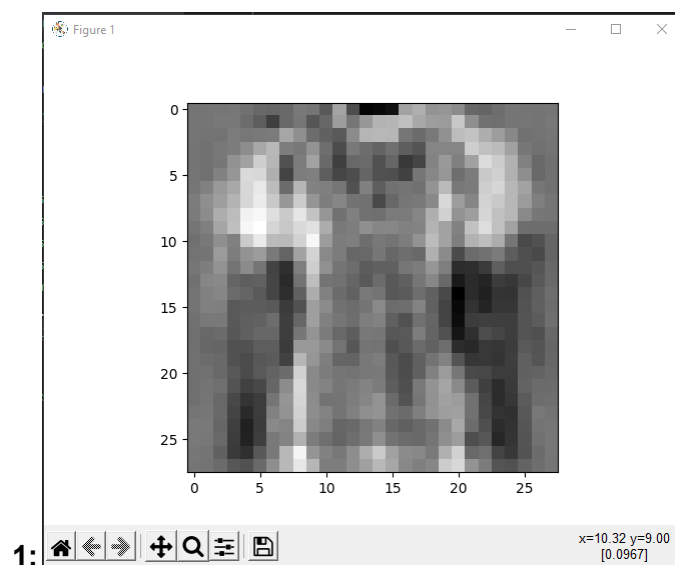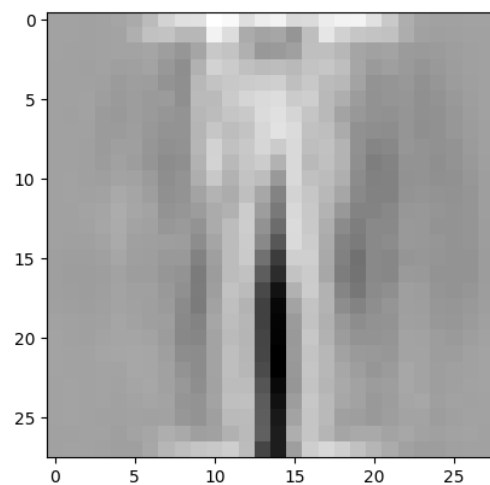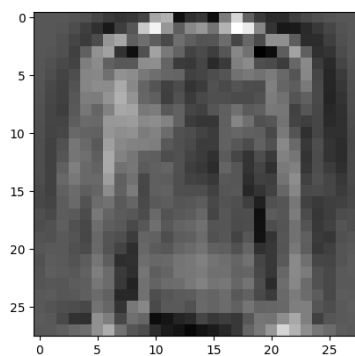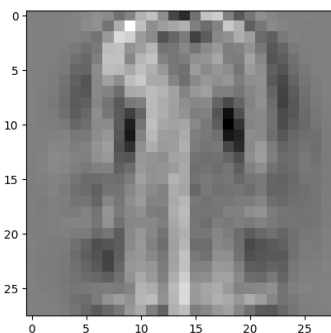Part c is the training and testing accuracy at the bottom of the above image

d)

1:

2: x=6.08 y=7.18
[-0.028]

3: x=12.74 y=3.92
[-0.077]

4:

5:

6:

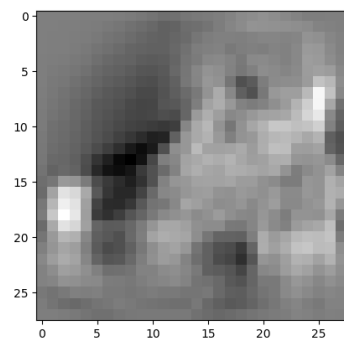**7:**
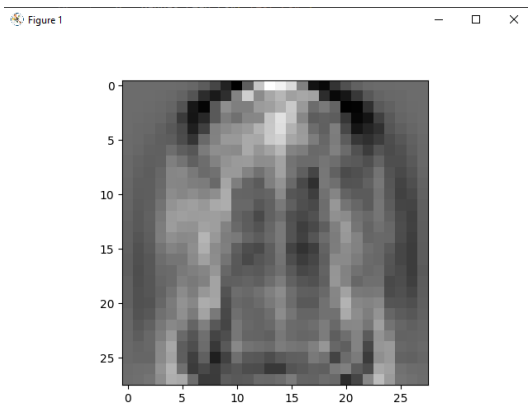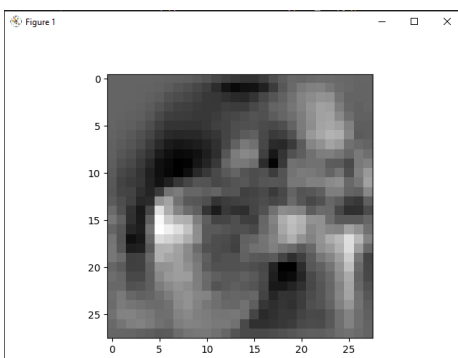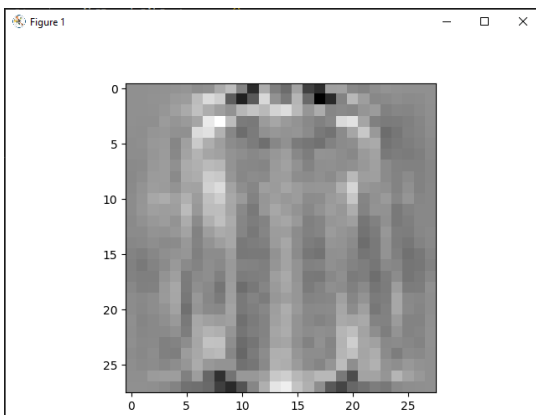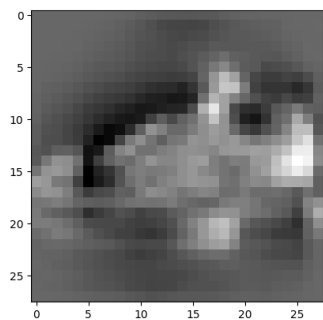
8: x=9.86 y=1.12 [-0.044]
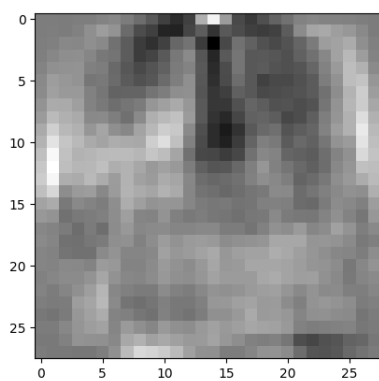
9: x=23.42 y=11.20 [-0.032]

10: x=6.00 y=5.06 [-0.062]

Kaggle Accuracy:

Training: 0.7867564534231201

Testing: