

Coding Assignment 1

The following are the validation accuracies

```
c value:0.01      score:0.9352941176470588
c value:0.1       score:0.9205882352941176
c value:0.31622776601683794   score:0.9176470588235294
c value:1         score:0.9235294117647059
c value:3.1622776601683795   score:0.9235294117647059
c value:10        score:0.9176470588235294
c value:10.0      score:0.9235294117647059
```

With c value of 0.01 having the highest accuracy

Training with c value of 0.01 on both the training and validation set, then testing on the test set gives the accuracy score of

0.9264705882352942

The following is a list of images that are classified wrongly

```
image_0071.jpg_ft.npy wrongly classified for class 0
image_0050.jpg_ft.npy wrongly classified for class 0
image_0070.jpg_ft.npy wrongly classified for class 0
image_0020.jpg_ft.npy wrongly classified for class 0
image_0118.jpg_ft.npy wrongly classified for class 1
image_0199.jpg_ft.npy wrongly classified for class 2
image_0225.jpg_ft.npy wrongly classified for class 2
image_0187.jpg_ft.npy wrongly classified for class 2
image_0252.jpg_ft.npy wrongly classified for class 3
image_0335.jpg_ft.npy wrongly classified for class 4
image_0397.jpg_ft.npy wrongly classified for class 4
image_0573.jpg_ft.npy wrongly classified for class 7
image_0605.jpg_ft.npy wrongly classified for class 7
image_0577.jpg_ft.npy wrongly classified for class 7
image_0870.jpg_ft.npy wrongly classified for class 10
image_0911.jpg_ft.npy wrongly classified for class 11
image_0953.jpg_ft.npy wrongly classified for class 11
image_1024.jpg_ft.npy wrongly classified for class 12
image_1030.jpg_ft.npy wrongly classified for class 12
image_1043.jpg_ft.npy wrongly classified for class 13
image_1052.jpg_ft.npy wrongly classified for class 13
image_1167.jpg_ft.npy wrongly classified for class 14
image_1172.jpg_ft.npy wrongly classified for class 14
image_1356.jpg_ft.npy wrongly classified for class 16
image_1357.jpg_ft.npy wrongly classified for class 16
```

Class 0



Class 1



Class 2



Class 3



Class 4



Class 7



Class 10



Class 11



Class 12



Class 13



Class 14



Class 16



