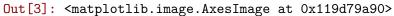
introduction-to-data

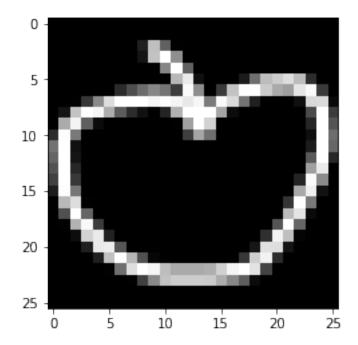
November 6, 2017

```
In [1]: %matplotlib inline
        import matplotlib.pyplot as plt
        import numpy as np

In [2]: images=np.load('data/images.npy')
        labels=np.load('data/labels.npy')

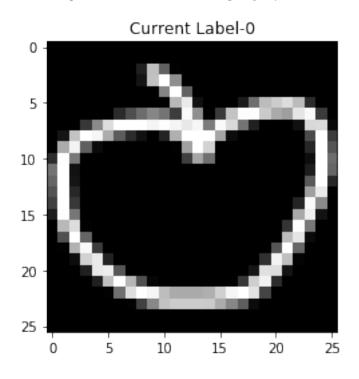
In [3]: # print (class_zero.shape)
        class_zero=images[labels==0]
        plt.imshow(class_zero[0],cmap='gray')
```

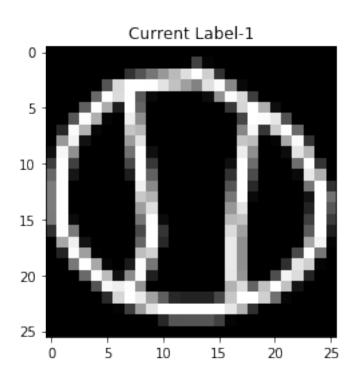


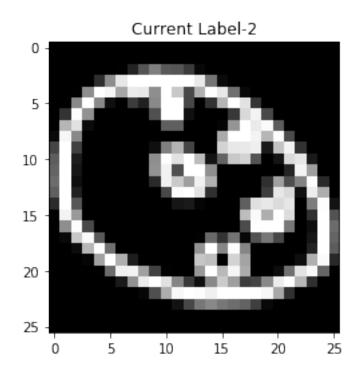


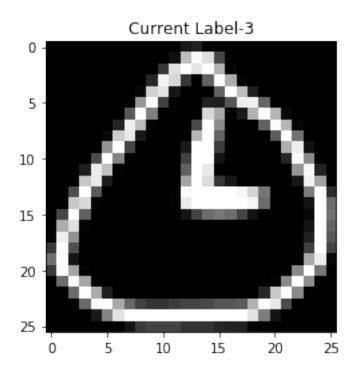
```
In [4]: image_list={}
    images_show=[]
    labels_list=[0,1,2,3,4]
```

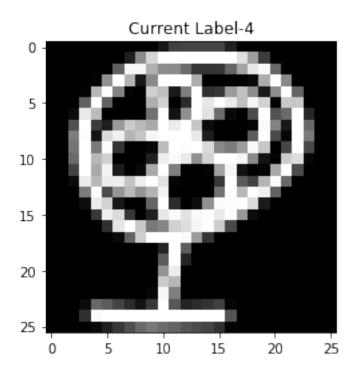
```
for label in labels_list:
    image_list[label]=images[labels==label]
    plt.figure()
    plt.title("Current Label-"+str(label))
    plt.imshow(image_list[label][0],cmap='gray')
```











1 Associated Labels

- Label 0-Apple
- Label 1-Baseball
- Label 2-Coockie
- Label 3-Clock
- Label 4-Fan

2 Flattening images

3 Printing first 5 flattened images

