Day 15

```
import joblib, cv2
import numpy as np
model = joblib.load("model/svm_6label_rbf")
import pyscreenshot as ImageGrab The model that
import time
images_folder = "temp/"
fout = open("testing_x","w+") -??
for i in range (0,100):
    Image on-prousing
   img = ImageGrab.grab(bbox=(80, 80, 208, 208)) # X1,Y1,X2,Y2
  img.save(images_folder+"test_orig.png")
   im = cv2.imread(images_folder+"test_orig.png").
   im_gray = cv2.cvtColor(im, cv2.COLOR_BGR2GRAY)
   im_gray = cv2.GaussianBlur(im_gray, (15, 15), 0)
   # Threshold the image
    ret. im_th = cv2.threshold(im_gray, 100, 255, cv2.THRESH_BINARY)
   are we doing all this
   roi = cv2.resize(im_th, (28, 28), interpolation=cv2.INTER_AREA)
   cv2.imwrite(images_folder+"segmented.png", roi)
                         ing size (nows, culs)
   rows, cols = roi.shape
                                                    Convertor pixels
 ? X=[]
   # #Add pixel one-by-one into data Array.
   for i in range(rows):
       for j in range(cols):
           k = roi[i, j]
           if k>100:
               k=1
           else:
               k=0
           X.append(k)
   #scaling = MinMaxScaler(feature_range=(-1, 1)).fit([X])
   #X = scaling.transform([X]) > ??
                                     * predicting of
   fout.write(str(X))
   predictions = model.predict([X])
   print "Prediction: ", predictions[0]
   cv2.putText(im, "Prediction is: "+str(predictions[0]), (20, 20), 0, 0.8,
    (0, 255, 0), 2, cv2.LINE_AA)
   #cv2.startWindowThread()
                                 Show predictions
   cv2.namedWindow("Result")
   cv2.imshow("Result", im)
   cv2.waitKey(10000)
   #time.sleep(4)
```