



```
W=np.add(W,change)
ex_no=(ex_no+1)%sz_train

prod=np.dot(X_test,W)
#print("Shape is ",prod.shape)

a=activation2(prod)

for i in range(a.shape[0]):
    #print(a[i], " ",Y_test[i],"\n")
    if(a[i][0]==0 and Y_test[i]==0):
        tn+=1
    elif(a[i][0]==0 and Y_test[i]==1):
        fn+=1
    elif(a[i][0]==1 and Y_test[i]==0):
        fp+=1
    elif(a[i][0]==1 and Y_test[i]==1):
        tp+=1

#print("FP, TP, FN, TN ",fp,tp,fn,tn)

precision=tp/(tp+fp)
recall=tp/(tp+fn)
accuracy=(tp+tn)/(tp+tn+fp+fn)

print("Accuracy, Precision and Recall : ",accuracy," ",precision,"
",recall,"\n\n")

alpha+=0.1

if __name__=='__main__':
    main()
```