

```

1 from sklearn.metrics import accuracy_score, recall_score, roc_auc_score, confusion_matrix
2 from sklearn.metrics import classification_report

```

```

3 print(y_train.shape)
4 print(y_pred.shape)

```

```

5 print(classification_report(y_test, y_pred))

```

```

(280,)
(120,)

```

	precision	recall	f1-score	support
False	0.17	0.11	0.13	9
True	0.93	0.95	0.94	111
accuracy			0.89	120
macro avg	0.55	0.53	0.54	120
weighted avg	0.87	0.89	0.88	120

```

1 from sklearn.metrics import accuracy_score, recall_score, roc_auc_score

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2 print(y_train.shape)
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4 print(classification_report(y_test, y_pred))

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(280,)
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	precision	recall	f1-score	support
False	0.17	0.11	0.13	9
True	0.93	0.95	0.94	111

```
from sklearn.metrics import accuracy_score, recall_score, roc_auc_score, confusion_matrix
y_test=(y_test>0.5)
print("\nAccuracy score: %f" %(accuracy_score(y_test,y_pred)*100))
print("Recall score : %f n" %(recall_score(y_test,y_pred)*100))
print("ROC score : %f\n" %(roc_auc_score(y_test,y_pred)*100))
print(confusion_matrix(y_test,y_pred))
```

Accuracy score: 89.166667
Recall score : 95.495495 n
ROC score : 53.303303

```
[[ 1  8]
 [ 5 106]]
```

```
] model.compile(loss='binary_crossentropy',optimizer='adam',metrics=['accuracy'])
```

```
] model.fit(x_train,y_train,batch_size=20,epochs=100)
```

```
14/14 [=====] - 0s 6ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 73/100  
14/14 [=====] - 0s 8ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 74/100  
14/14 [=====] - 0s 5ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 75/100  
14/14 [=====] - 0s 6ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 76/100  
14/14 [=====] - 0s 5ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 77/100  
14/14 [=====] - 0s 4ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 78/100  
14/14 [=====] - 0s 3ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 79/100  
14/14 [=====] - 0s 5ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 80/100  
14/14 [=====] - 0s 7ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 81/100  
14/14 [=====] - 0s 4ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 82/100  
14/14 [=====] - 0s 7ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 83/100  
14/14 [=====] - 0s 3ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 84/100  
14/14 [=====] - 0s 4ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 85/100  
14/14 [=====] - 0s 5ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 86/100  
14/14 [=====] - 0s 5ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 87/100  
14/14 [=====] - 0s 5ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 88/100  
14/14 [=====] - 0s 11ms/step - loss: 6.8060 - accuracy: 0.4964  
Epoch 89/100
```