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Code

```python
[68]: knn= KNeighborsClassifier(13)
      knn.fit(X_train,y_train)
      knn.score(X_test,y_test)
```

```
[68]: 0.7792207792207793
```

```python
[70]: from sklearn.metrics import confusion_matrix
      y_pred=knn.predict(X_test)
      confusion_matrix(y_test,y_pred)
```

```
[70]: array([[141,  16],
             [ 35,  39]], dtype=int64)
```

```python
[72]: from sklearn.metrics import classification_report
      print(classification_report(y_test,y_pred))
```

```
                 precision    recall  f1-score   support

              0       0.80      0.90      0.85       157
              1       0.71      0.53      0.60        74

       accuracy                           0.78       231
      macro avg       0.76      0.71      0.73       231
   weighted avg       0.77      0.78      0.77       231
```

```
[ ]:
```