In [133…
```
import pandas as pd
from sklearn.metrics import confusion_matrix
```

In [134…
```
df=pd.read_csv('C:\\Users\\Admin Is User\\Downloads\\ff7a5c02-3a7e-464c-8773-1b3656005566.csv')
```

In [135…
```
df.head()
```

Out[135…

	Age	EstimatedSalary	Purchased
0	19	19000	0
1	35	20000	0
2	26	43000	0
3	27	57000	0
4	19	76000	0

In [136…
```
X=df.drop(['Purchased'],axis=1)
y=df['Purchased']
```

In [137…
```
df.shape
```

Out[137… (400, 3)

In [138…
```
y.shape
```

Out[138… (400,)

In [171…
```
from sklearn.model_selection import train_test_split
X_train,X_test,y_train,y_test=train_test_split(X,y,test_size=.20)
```

In [172…
```
from sklearn.neighbors import KNeighborsClassifier
```

In [264…
```
kn=KNeighborsClassifier(n_neighbors=30)
```

In [265…
```
kn.fit(X_train,y_train)
```

Out[265… KNeighborsClassifier(n_neighbors=30)

In [266…
```
y_pred=kn.predict(X_test)
cm=confusion_matrix(y_pred,y_test)
```

In [267…
```
print(cm)
```

```
[[50 16]
 [ 2 12]]
```

In [268…
```
kn.score(X_test,y_test)
```

Out[268… 0.775

In [258…
```
from sklearn.metrics import classification_report
print(classification_report(y_test,y_pred))
```

```
              precision    recall  f1-score   support

           0       0.79      0.94      0.86        52
           1       0.83      0.54      0.65        28

    accuracy                           0.80        80
   macro avg       0.81      0.74      0.76        80
weighted avg       0.81      0.80      0.79        80
```

In [ ]:
```

```