



400 rows  $\times$  5 columns

```
df.head()
```

	User ID	Gender	Age	EstimatedSalary	Purchased
0	15624510	Male	19	19000	0
1	15810944	Male	35	20000	0
2	15668575	Female	26	43000	0
3	15603246	Female	27	57000	0
4	15804002	Male	19	76000	0

```
features=df.iloc[:,[2,3]].values
label=df.iloc[:,4].values
features
```



label



```
[8]: x_train, x_test, y_train, y_test = train_test_split(features, label, test_size=0.2, random_state=0)

finalModel = LogisticRegression(max_iter=1000)
finalModel.fit(x_train, y_train)
```

```
[8]: LogisticRegression
```

► Parameters

```
[9]: print(finalModel.score(x_train,y_train))
print(finalModel.score(x_test,y_test))
```

0.81875

0.9125

```
[10]: from sklearn.metrics import classification_report
print(classification_report(label,finalModel.predict(features)))
```

	precision	recall	f1-score	support
0	0.84	0.92	0.88	257
1	0.82	0.69	0.75	143
accuracy			0.84	400
macro avg	0.83	0.81	0.82	400
weighted avg	0.84	0.84	0.83	400

```
{ }:
```