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In [2]: import pandas as pd
import numpy as np
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In [3]: dataset = pd.read_csv("User_Data.csv")
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In [4]: x = dataset.iloc[:, [2, 3]].values
y = dataset.iloc[:, 4].values
```

```
In [5]: from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(x, y, test_size = 0.20, random_state = 0)
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In [6]: from sklearn.preprocessing import StandardScaler
sc_x = StandardScaler()
xtrain = sc_x.fit_transform(X_train)
xtest = sc_x.transform(X_test)
```

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In [7]: from sklearn.naive_bayes import GaussianNB
classifier = GaussianNB()
classifier.fit(xtrain, y_train)
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Out[7]: GaussianNB()
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In [8]: y_pred = classifier.predict(xtest)
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In [9]: y_pred
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Out[9]: array([0, 0, 0, 1], dtype=int64)
```

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In [10]: from sklearn.metrics import confusion_matrix
cm = confusion_matrix(y_test, y_pred)
cm
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Out[10]: array([[3, 0],
               [0, 1]], dtype=int64)
```

```
In [11]: from sklearn.metrics import accuracy_score
print ("Accuracy : ", accuracy_score(y_test, y_pred))
```

```
Accuracy : 1.0
```