In [9]:
```
import pandas as pd
import numpy as np
```

In [10]:
```
dataset = pd.read_csv("User_Data.csv")
```

In [11]:
```
x = dataset.iloc[:, [2, 3]].values
y = dataset.iloc[:, 4].values
```

In [12]:
```
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)
```

In [13]:
```
from sklearn.preprocessing import StandardScaler
sc_x = StandardScaler()
xtrain = sc_x.fit_transform(X_train)
xtest = sc_x.transform(X_test)
```

In [15]:
```
from sklearn.tree import DecisionTreeClassifier
classifier = DecisionTreeClassifier(criterion='entropy', random_state=0)
classifier.fit(xtrain, y_train)
```

Out[15]:
```
DecisionTreeClassifier(criterion='entropy', random_state=0)
```

In [16]:
```
y_pred = classifier.predict(xtest)
```

In [17]:
```
y_pred
```

Out[17]:
```
array([0, 0, 0, 1], dtype=int64)
```

In [18]:
```
from sklearn.metrics import confusion_matrix
cm= confusion_matrix(y_test, y_pred)
cm
```

Out[18]:
```
array([[3, 0],
       [0, 1]], dtype=int64)
```

In [19]:
```
from sklearn.metrics import accuracy_score
print ("Accuracy : ", accuracy_score(y_test, y_pred))
```

```
Accuracy :  1.0
```