In [14]:
```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt

data = pd.read_csv("veriler.csv")
Y = data["cinsiyet"].values
X1 = data["kilo"].values
X2 = data["yas"].values
X3 = data["boy"].values
data
```

Out[14]:

	boy	kilo	yas	cinsiyet
0	130	30	10	1
1	125	36	11	1
2	135	34	10	0
3	133	30	9	0
4	129	38	12	1
5	180	90	30	1
6	190	80	25	1
7	175	90	35	1
8	177	60	22	0
9	185	105	33	1
10	165	55	27	0
11	155	50	44	0
12	160	58	39	0
13	162	59	41	0
14	167	62	55	0
15	174	70	47	1
16	193	90	23	1
17	187	80	27	1
18	183	88	28	1
19	159	40	29	0

In [15]:
```
X_123 = data.drop("cinsiyet",axis=1)
```

In [16]:
```
from sklearn.model_selection import train_test_split
x_train, x_test, y_train, y_test = train_test_split(X_123,Y,test_size=0.3)
```

In [17]:
```
from sklearn.tree import DecisionTreeClassifier
dt_classifier = DecisionTreeClassifier(criterion="entropy")  # "gini" default
dt_classifier.fit(x_train,y_train)
```

Out[17]:
```
DecisionTreeClassifier(criterion='entropy')
```

In [18]:
```
y_pred = dt_classifier.predict(x_test)
y_pred
```

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

In [19]:
```
y_test
```

Out[19]:
```
array([1, 1, 0, 0, 1, 0], dtype=int64)
```

In [20]:
```
from sklearn.metrics import confusion_matrix
result = confusion_matrix(y_test,y_pred)
result # %100 accuracy
```

Out[20]:
```
array([[3, 0],
       [0, 3]], dtype=int64)
```

In [ ]:
```

```