```
In [8]:   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[8]:

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

```
In [10]:  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 [11]:  from sklearn.neighbors import KNeighborsClassifier
          #n_neighbors = int(sqrt(len(x_train))/2)
          knn = KNeighborsClassifier(n_neighbors=2,metric="euclidean")  # alternatif "minkowski"
          knn.fit(x_train,y_train)
```

Out[11]: KNeighborsClassifier(metric='euclidean', n_neighbors=2)

```
In [12]:  y_pred = knn.predict(x_test)
          y_pred
```

Out[12]: array([1, 0, 0, 0, 0, 1], dtype=int64)

```
In [13]:  y_test
```

Out[13]: array([1, 0, 0, 0, 0, 1], dtype=int64)

```
In [14]:  from sklearn.metrics import confusion_matrix
          result = confusion_matrix(y_test,y_pred)
          result
```

Out[14]: array([[4, 0],
               [0, 2]], dtype=int64)

```
In [ ]:
```