In [4]:

```
import pandas as pd
import numpy as np
```

In [7]:

```
dataset=pd.read_csv("knn.csv")
X=dataset.iloc[:,:-1].values
y=dataset.iloc[:,2].values
```

In [10]:

```
from sklearn.neighbors import KNeighborsClassifier
classifier=KNeighborsClassifier(n_neighbors=3)
classifier.fit(X,y)
```

Out[10]:

```
KNeighborsClassifier(n_neighbors=3)
```

In [12]:

```
X_test=np.array([6,6])
y_pred=classifier.predict([X_test])
print('General KNN',y_pred)
```

```
General KNN ['negative']
```

In [14]:

```
classifier=KNeighborsClassifier(n_neighbors=3,weights='distance')
classifier.fit(X,y)
```

Out[14]:

```
KNeighborsClassifier(n_neighbors=3, weights='distance')
```

In [15]:

```
X_test=np.array([6,2])
y_pred=classifier.predict([X_test])
print('Distance Weighted KNN',y_pred)
```

```
Distance Weighted KNN ['positive']
```