In [2]:
```
from sklearn.neighbors import KNeighborsClassifier
from sklearn.model_selection import train_test_split
from sklearn.datasets import load_iris
```

In [7]:
```
## Loading Dataset
Iris_Data=load_iris()
```

In [8]:
```
## Create feature and target arrays
X=Iris_Data.data
y=Iris_Data.target
```

In [9]:
```
## Split into training and test set
X_train,X_test,y_train,y_test=train_test_split(X,y,test_size=0.2,random_state=
```

In [10]:
```
knn=KNeighborsClassifier(n_neighbors=7)
knn.fit(X_train,y_train)
```

Out[10]:
```
KNeighborsClassifier(n_neighbors=7)
```
In a Jupyter environment, please rerun this cell to show the HTML representation or trust the notebook.
On GitHub, the HTML representation is unable to render, please try loading this page with nbviewer.org.

In [12]:
```
## Predict on dataset which model has not seen before
print(knn.predict(X_test))
```

```
[1 0 2 1 1 0 1 2 2 1 2 0 0 0 0 1 2 1 1 2 0 2 0 2 2 2 2 2 0 0]
```

In [13]:
```
## Calculate the accuracy of the model
print(knn.score(X_test,y_test))
```

```
0.9666666666666667
```

In [ ]: