In [3]:

```
pip install sklearn
```

```
Collecting sklearn
  Downloading sklearn-0.0.post5.tar.gz (3.7 kB)
Building wheels for collected packages: sklearn
  Building wheel for sklearn (setup.py): started
  Building wheel for sklearn (setup.py): finished with status 'done'
  Created wheel for sklearn: filename=sklearn-0.0.post5-py3-none-any.whl s
ize=2360 sha256=9290d3fe6749f8a0367d09a297c4049455b87e9803e0a7e63304e38977
f9c62b
  Stored in directory: c:\users\atharva\appdata\local\pip\cache\wheels\36
\49\c9\2374f1dee1b599effabf63d948635e6608f62d0ccde027b7e2
Successfully built sklearn
Installing collected packages: sklearn
Successfully installed sklearn-0.0.post5
Note: you may need to restart the kernel to use updated packages.
```

In [8]:

```
from sklearn.datasets import load_iris
from sklearn.model_selection import train_test_split
from sklearn.tree import DecisionTreeClassifier
from sklearn.metrics import accuracy_score
```

In [9]:

```
iris = load_iris()
```

In [11]:

```
X_train, X_test, y_train, y_test = train_test_split(iris.data, iris.target, test_size=0.
```

In [12]:

```
clf = DecisionTreeClassifier()
```

In [13]:

```
clf.fit(X_train, y_train)
```

Out[13]:

DecisionTreeClassifier

DecisionTreeClassifier()

In [16]:

```
y_pred = clf.predict(X_test)
```

In [17]:

```
accuracy = accuracy_score(y_test, y_pred)
print("Accuracy:", accuracy)
```

```
Accuracy: 1.0
```