In [1]:

```
import numpy as np
from sklearn.datasets import load_iris
from sklearn import tree

iris = load_iris()
test_idx = [0,50,100]

# training data

train_target = np.delete(iris.target, test_idx)
train_data = np.delete(iris.data, test_idx, axis = 0)

# testing data

test_target = iris.target[test_idx]
test_data = iris.data[test_idx]

clf = tree.DecisionTreeClassifier()
clf.fit(train_data,train_target)

print(test_target)                              # 0 = 'setosa'   1 = 'versicolor'   2 = 'virginica'
print(clf.predict(test_data))
```

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