Start coding or generate with AI.

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
from sklearn import tree
from sklearn.tree import DecisionTreeClassifier
df=pd.DataFrame(np.random.randn(10,3),columns=['Age','Experience','Rank'])
df.to_csv("d:\Decision_tree.csv")
a=pd.read_csv("d:\Decision_tree.csv")
print(a)
Nationality=['UK','USA','FRANCE']
a['Nationality']=np.random.choice(Nationality,10)
Go=['YES','NO']
a['Go']=np.random.choice(Go,10)
d={'UK':0,'USA':1,'FRANCE':2}
a['Nationality']=a['Nationality'].map(d)
d={'YES':1,'NO':0}
a['Go']=a['Go'].map(d)
feature=['Age','Experience','Rank','Nationality']
x=a[feature]
y=a['Go']
dtree=DecisionTreeClassifier()
dtree.fit(x,y)
tree.plot_tree(dtree,feature_names=feature)
plt.show()
```

	Unnamed: 0	Age	Experience	Rank
0	0	0.518477	2.059680	1.240659
1	1	0.975137	-1.738508	-1.405563
2	2	-1.331759	-0.607438	1.061238
3	3	0.148257	-1.779852	2.090567
4	4	-2.438117	2.351351	0.447972
5	5	-0.162058	1.896681	0.916471
6	6	-0.217038	0.212512	-0.121783
7	7	0.180117	0.035607	0.426826
8	8	0.268414	0.986398	-1.875399
9	9	-0.195801	0.487708	-1.130744