

## EXPERIMENT – 11

### PROGRAM:

```
from sklearn.tree import DecisionTreeClassifier

import pandas as pd

data = {'Income': [50000,60000,30000,70000], 'Debt': [2000,1000,5000,1500], 'Score':
['Good','Good','Bad','Good']}

df = pd.DataFrame(data)

X = df[['Income','Debt']]

y = df['Score']

model = DecisionTreeClassifier()

model.fit(X, y)

income = float(input("Enter Income: "))

debt = float(input("Enter Debt: "))

print("Predicted Score:", model.predict([[income, debt]])[0])
```