

## **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])
```