**DECISION TREE CLASSIFIER**

1. **Import libraries :**

import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

import seaborn as sns

1. **load the data set**

movie\_info=pd.read\_csv('/content/Movie Interests.csv')

movie\_info

1. **Droping the existing and storing in new variable(SPLITTING INPUT AND OUTPUT SEPARATELY):**

input\_dataset=movie\_info.drop(columns=['Interest'])

input\_dataset

output\_dataset=movie\_info['Interest']

output\_dataset

**4.BUILDING MODELS,TRAING,PREDICTIONS:**

from sklearn.tree import DecisionTreeClassifier

movie\_model=DecisionTreeClassifier()

movie\_model.fit(input\_dataset,output\_dataset)

movie\_intrest=movie\_model.predict([[9,1],[33,0]])

movie\_intrest

**OUTPUT:**

**array(['Animation', 'Drama'], dtype=object)**