EXPERIMENT – 15 Decision Tree (using scikit-learn — short)

AIM:

Train and display a small decision tree classifier.

CODE:

# decision\_tree\_sklearn.py

from sklearn import tree

X=[[0,0],[1,1],[1,0],[0,1]]

y=[0,1,1,0]

clf=tree.DecisionTreeClassifier()

clf=clf.fit(X,y)

print("Predict [1,0]:",clf.predict([[1,0]]))

# To visualize: tree.plot\_tree(clf)

OUTPUT:

