import numpy as np

import pandas as pd

# Importing the dataset

dataset = pd.read\_csv("c:\iris.csv ")

X = dataset.iloc[:, :-1].values

y = dataset.iloc[:, -1].values

# Splitting the dataset into the Training set and Test set

from sklearn.model\_selection import train\_test\_split

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.25, random\_state=39)

# Feature Scaling

from sklearn.preprocessing import StandardScaler

sc = StandardScaler()

X\_train = sc.fit\_transform(X\_train)

X\_test = sc.transform(X\_test)

# Training the Random Forest Classification model on the Training set

from sklearn.ensemble import RandomForestClassifier

classifier = RandomForestClassifier(n\_estimators=100, random\_state=42)

classifier.fit(X\_train, y\_train)

# Predicting the Test set results

y\_pred = classifier.predict(X\_test)

# Making the Confusion Matrix

from sklearn.metrics import confusion\_matrix, accuracy\_score

cm = confusion\_matrix(y\_test, y\_pred)

print(cm)

print('Accuracy:', accuracy\_score(y\_test, y\_pred))

OUTPUT:  
[[12 0 0]

[ 0 13 0]

[ 0 1 12]]

Accuracy: 0.9736842105263158