# Split data into training and testing sets

X\_train, X\_test, y\_tr# Import libraries

from sklearn.datasets import load\_iris

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

from sklearn.ensemble import RandomForestClassifier

from sklearn.metrics import accuracy\_score, classification\_report

# Load dataset

iris = load\_iris()

X = iris.data

y = iris.targetain, y\_test = train\_test\_split(X, y, test\_size=0.3, random\_state=42)

# Initialize and train the model

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

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

# Make predictions

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

# Evaluate the model

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

print("Classification Report:\n", classification\_report(y\_test, y\_pred, target\_names=iris.target\_names))

output: