**PROGRAM [11]:**

from sklearn import datasets

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

from sklearn.svm import SVC

from sklearn.metrics import accuracy\_score

# Load dataset

iris = datasets.load\_iris()

X = iris.data

y = iris.target

# Split dataset into training and testing sets

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.2, random\_state=42)

# Create SVM model

svm = SVC(kernel='linear')

# Train SVM model

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

# Predict using SVM model

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

# Calculate accuracy score

accuracy = accuracy\_score(y\_test, y\_pred)

# Print accuracy score

print('Accuracy:', accuracy)

**OUTPUT [11]:**

