In [4]:
```
#Import the necessary libraries
from sklearn.datasets import load_breast_cancer
from sklearn.model_selection import train_test_split
from sklearn.svm import SVC
from sklearn.metrics import accuracy_score,confusion_matrix

# Load the breast cancer dataset
data = load_breast_cancer()
X = data.data  # Features
y = data.target  # Target variable

# Split the 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 an SVM classifier
svm = SVC(kernel='linear')

# Train the classifier
svm.fit(X_train, y_train)

# Predict on the testing set
y_pred = svm.predict(X_test)

# Calculate the accuracy of the classifier
accuracy = accuracy_score(y_test, y_pred)
print("Predicted : ",y_pred)
print("Confusion Matrix \n",confusion_matrix(y_test,y_pred))
print("Accuracy:",accuracy)
```

```
Predicted :  [1 0 0 1 1 0 0 0 1 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 1 1 1 1 1 0 1 1 1 1 1 1 0
 1 0 1 1 0 1 1 1 1 1 1 1 1 0 0 1 1 1 1 1 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 0
 1 1 1 1 1 1 0 1 1 0 0 0 0 0 1 1 1 1 1 1 1 1 0 0 1 0 0 1 0 0 1 1 1 0 1 1 0
 1 0 0]
Confusion Matrix
 [[39  4]
 [ 1 70]]
Accuracy: 0.956140350877193
```