```
In [1]:  # Gaussian Naive Bayes
         from sklearn import datasets
         from sklearn import metrics
         from sklearn.naive_bayes import GaussianNB
         # load the iris datasets
         dataset = datasets.load_iris()
         # fit a Naive Bayes model to the data
         model = GaussianNB()

         model.fit(dataset.data, dataset.target)
         print(model)
         # make predictions
         expected = dataset.target
         predicted = model.predict(dataset.data)
         # summarize the fit of the model
         print(metrics.classification_report(expected, predicted))
         print(metrics.confusion_matrix(expected, predicted))
```

```
GaussianNB()
              precision    recall  f1-score   support

           0       1.00      1.00      1.00        50
           1       0.94      0.94      0.94        50
           2       0.94      0.94      0.94        50

    accuracy                           0.96       150
   macro avg       0.96      0.96      0.96       150
weighted avg       0.96      0.96      0.96       150

[[50  0  0]
 [ 0 47  3]
 [ 0  3 47]]
```

In [ ]: