```python
In [12]: import pandas as pd
         from sklearn import metrics
         from sklearn.model_selection import train_test_split
         from sklearn.feature_extraction.text import CountVectorizer
         from sklearn.naive_bayes import MultinomialNB

         msg=pd.read_csv('naivetext.csv',names=['message','label'])

         print('The dimensions of the dataset',msg.shape)

         msg['labelnum']=msg.label.map({'pos':1,'neg':0})
         X=msg.message
         y=msg.labelnum

         #splitting the dataset into train and test data
         xtrain,xtest,ytrain,ytest=train_test_split(X,y)

         print ('\n the total number of Training Data :',len(ytrain))
         print ('\n the total number of Test Data :',len(ytest))


         #output of the words or Tokens in the text documents
         count_vect = CountVectorizer()
         xtrain_dtm = count_vect.fit_transform(xtrain)
         xtest_dtm=count_vect.transform(xtest)

         df=pd.DataFrame(xtrain_dtm.toarray(),columns=count_vect.get_feature_names())

         # Training Naive Bayes (NB) classifier on training data.
         clf = MultinomialNB().fit(xtrain_dtm,ytrain)
         predicted = clf.predict(xtest_dtm)

         print('\n Accuracy of the classifier is',metrics.accuracy_score(ytest,predicted))

         print('\n The value of Precision', metrics.precision_score(ytest,predicted))

         print('\n The value of Recall', metrics.recall_score(ytest,predicted))
```

The dimensions of the dataset (18, 2)

 the total number of Training Data : 13

 the total number of Test Data : 5

 Accuracy of the classifier is 0.8

 The value of Precision 1.0

 The value of Recall 0.75