**6. Write a program to implement the naïve Bayesian classifier for a sample training data set stored as a .CSV file. Compute the accuracy of the classifier, considering few test data sets.**

from sklearn import datasets

from sklearn import metrics

from sklearn.naive\_bayes import GaussianNB

dataset=datasets.load\_diabetes()

model=GaussianNB()

model.fit(dataset.data,dataset.target)

expected=dataset.target

predicted=model.predict(dataset.data)

print(metrics.confusion\_matrix(expected,predicted))

print(metrics.accuracy\_score(expected,predicted))

**Output:**

[[1 0 0 ... 0 0 0]

[0 1 0 ... 0 0 0]

[0 0 1 ... 0 0 0]

...

[0 0 0 ... 1 0 0]

[0 0 0 ... 0 1 0]

[0 0 0 ... 0 0 1]]

0.45248868778280543