**Bayesian classifirer using iris dataset**

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

from sklearn.naive\_bayes import GaussianNB

from sklearn.metrics import confusion\_matrix

from sklearn import datasets

iris = datasets.load\_iris() # loading dataset

x = iris.data[:, ] # input

y = iris.target # target

print("Features : ", iris['feature\_names'])

x\_train, x\_test, y\_train, y\_test = train\_test\_split(x, y, test\_size=0.25, random\_state=0)

NB = GaussianNB()

NB.fit(x\_train, y\_train)

Y\_pred = NB.predict(x\_test)

cm = confusion\_matrix(y\_test, Y\_pred)

print("Confusion Matrix:- ", cm)

**Bayesian classifirer using cancer data**

from sklearn.model\_selection import train\_test\_split  
from sklearn.naive\_bayes import GaussianNB  
from sklearn.metrics import confusion\_matrix  
  
from sklearn import datasets  
iris = datasets.load\_breast\_cancer() *# loading dataset*x = iris.data[:, ] *# input*y = iris.target *# target*print("Features : ", iris['feature\_names'])  
  
x\_train, x\_test, y\_train, y\_test = train\_test\_split(x, y, test\_size=0.25, random\_state=0)  
  
NB = GaussianNB()  
NB.fit(x\_train, y\_train)  
Y\_pred = NB.predict(x\_test)  
cm = confusion\_matrix(y\_test, Y\_pred)  
print("Confusion Matrix:- ", cm)