**NAÏVE IRIS CLASSIFICATION**

CODE:

from sklearn.naive\_bayes import GaussianNB

from sklearn.naive\_bayes import MultinomialNB

from sklearn import datasets

from sklearn.metrics import confusion\_matrix

iris = datasets.load\_iris()

gnb = GaussianNB()

mnb = MultinomialNB()

y\_pred\_gnb = gnb.fit(iris.data, iris.target).predict(iris.data)

cnf\_matrix\_gnb = confusion\_matrix(iris.target, y\_pred\_gnb)

print(cnf\_matrix\_gnb)

y\_pred\_mnb = mnb.fit(iris.data, iris.target).predict(iris.data)

cnf\_matrix\_mnb = confusion\_matrix(iris.target, y\_pred\_mnb)

print(cnf\_matrix\_mnb)

OUTPUT:

========== RESTART: C:/Users/prith/Desktop/MACHINE LEARNING/15. APP.py =========

[[50 0 0]

[ 0 47 3]

[ 0 3 47]]

[[50 0 0]

[ 0 46 4]

[ 0 3 47]]

>>>

