**NAÏVE BAYES:**

**CODE:**

from sklearn.datasets import load\_iris

from sklearn.naive\_bayes import GaussianNB

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

from sklearn.metrics import confusion\_matrix, accuracy\_score

iris = load\_iris()

X\_train, X\_test, y\_train, y\_test = train\_test\_split(iris.data, iris.target, test\_size=0.3, random\_state=0)

classifier = GaussianNB()

classifier.fit(X\_train, y\_train)

y\_pred = classifier.predict(X\_test)

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

print("Confusion Matrix:")

print(cm)

acc = accuracy\_score(y\_test, y\_pred)

print("Accuracy Score:", acc)

**OUTPUT:**

=============================== RESTART: C:/Users/prith/Desktop/MACHINE LEARNING/NAIVE BAYS.py ==============================

Confusion Matrix:

[[16 0 0]

[ 0 18 0]

[ 0 0 11]]

Accuracy Score: 1.0

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