**KNN:**

**CODE:**

import numpy as np

import pandas as pd

#Importing the dataset

dataset = pd.read\_csv("breastcancer.csv")

X = dataset.iloc[:, :-1].values

y = dataset.iloc[:, -1].values

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

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

from sklearn.preprocessing import StandardScaler

sc = StandardScaler()

X\_train = sc.fit\_transform(X\_train)

X\_test = sc.transform(X\_test)

from sklearn.naive\_bayes import GaussianNB

classifier = GaussianNB()

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

#Naive Bayes classifier model

GaussianNB(priors=None, var\_smoothing=1e-09)

#Display the results (confusion matrix and accuracy)

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

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

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

print(cm)

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

**OUTPUT:**

================================= RESTART: C:/Users/prith/Desktop/MACHINE LEARNING/5.KNN.py =================================

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