from sklearn.datasets import load\_iris

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

from sklearn.naive\_bayes import GaussianNB

from sklearn.metrics import accuracy\_score

# Load the Iris dataset

iris = load\_iris()

X = iris.data

y = iris.target

# Split the dataset into training and testing sets

X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.2, random\_state=42)

# Create a Naïve Bayes classifier (Gaussian Naïve Bayes for continuous features)

clf = GaussianNB()

# Train the classifier on the training data

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

# Make predictions on the test data

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

# Calculate and print the accuracy

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

print("Accuracy:", accuracy)