import **pandas** as **pd**

import **numpy** as **np**

import **matplotlib**.**pyplot** as **plt**

import **seaborn** as **sns**

from **sklearn**.**datasets** import **load\_iris**

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

from **sklearn**.**ensemble** import **BaggingClassifier**, **GradientBoostingClassifier**

from **sklearn**.**metrics** import **classification\_report**, **confusion\_matrix**, **accuracy\_score**

iris = **load\_iris**()

X = iris.data

y = iris.target

**print**("Iris dataset loaded successfully.")

df = **pd**.**DataFrame**(X, columns=iris.feature\_names)

df['species'] = iris.target\_names[y]

**print**("DataFrame created:")

**print**(df.**head**())