**SAI VARUN THABETI**

**700741122**

**ASSIGNMENT 5**

**NEURAL NETWORKS AND DEEP LEARNING**

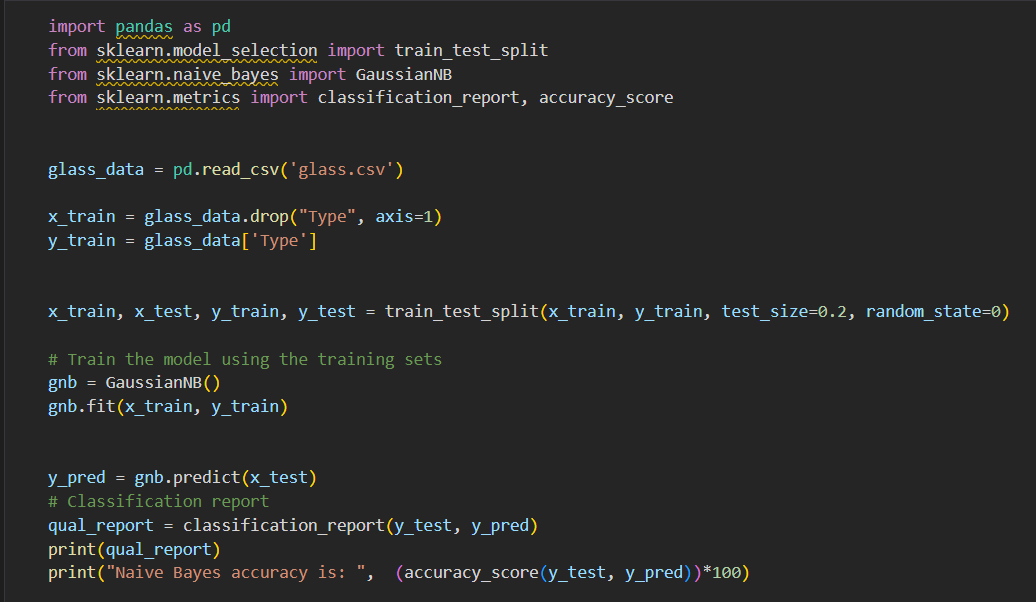
1. Implement Naïve Bayes method using scikit-learn library

Use dataset available with name glass

Use train\_test\_split to create training and testing part

Evaluate the model on test part using score and

classification\_report(y\_true, y\_pred)

****A screenshot of a computer

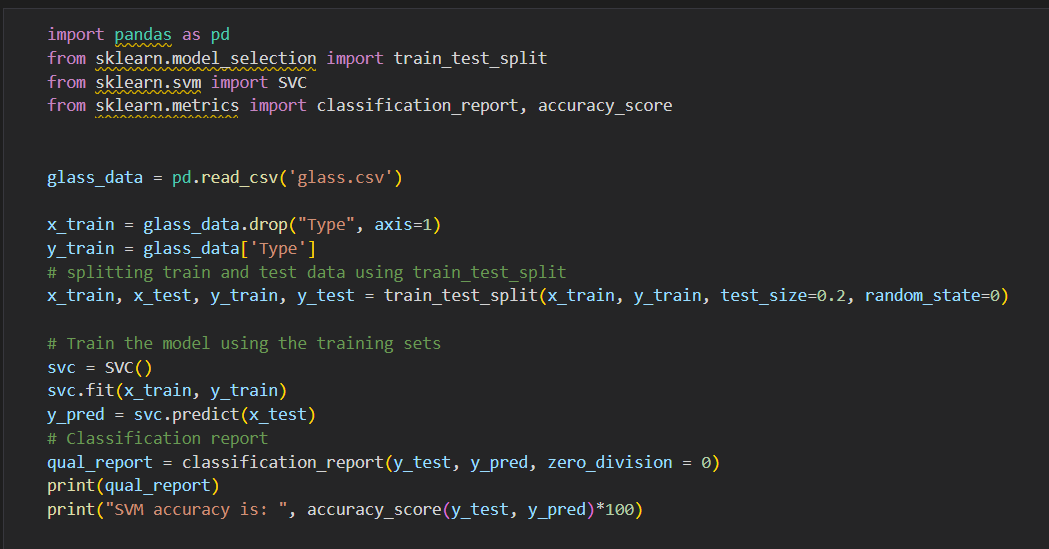
Description automatically generated with low confidence

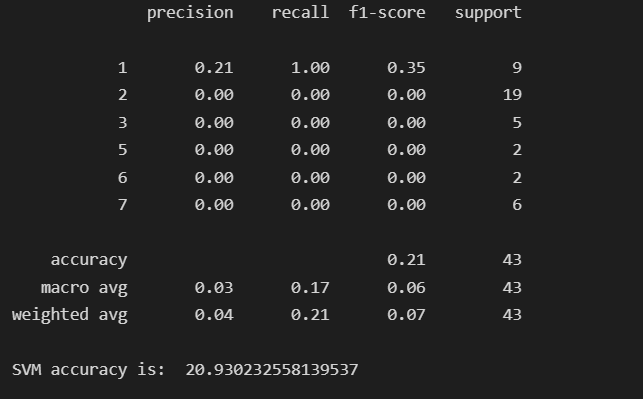
1. Implement linear SVM method using scikit library

Use the same dataset above

Use train\_test\_split to create training and testing part

Evaluate the model on test part using score and classification\_report(y\_true, y\_pred)

****

****

Which algorithm you got better accuracy? Can you justify why?

Gaussian algorithm gives better accuracy. As the accuracy we got upon training on gaussian is

greater than that of SVM.