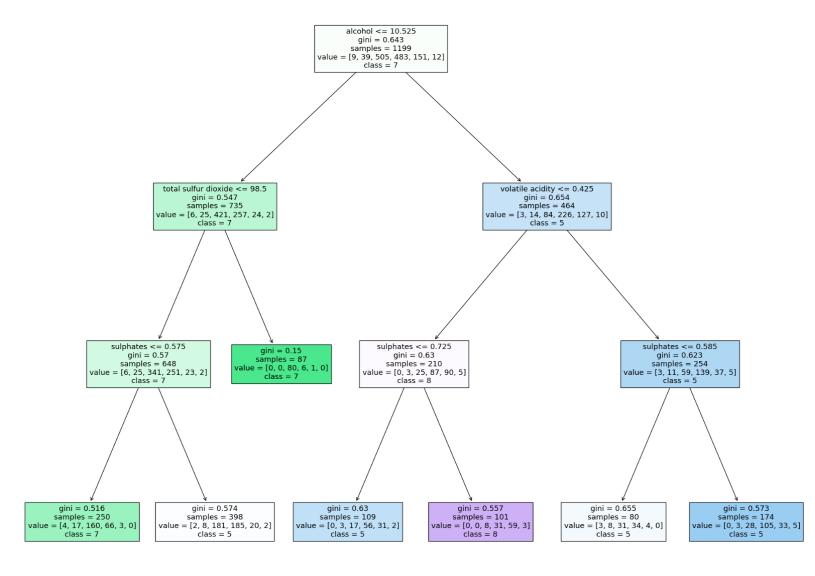
Zaid Abujumaiza Professor Basu Roy CS 301-003 11/8/2022

QUESTION 1:



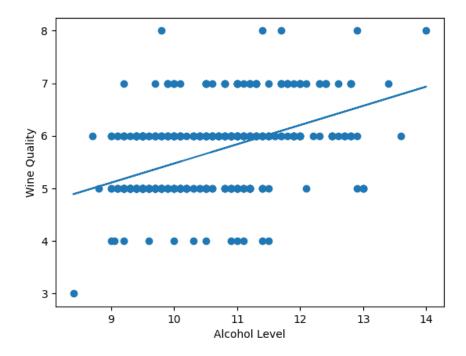
QUESTION 2:

10 cross-validation score: 0.5196187106918239

Accuracy: 0.555

Precision: 0.7651304141296368 **Recall:** 0.25352924405343763 **F1:** 0.24759983695940582

QUESTION 3:



Linear Regression Coefficient: 0.2925100773413656

QUESTION 4:

Mean Squared Error: 0.5634260639791545

The linear regression model which uses Alcohol to predict wine quality is the best because it has the largest R^2 value and smallest mean squared error value. There is a slight positive correlation between alcohol and wine quality.