Report Question 2

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The data provided to us spect_train, we had to train our model based on naïve bayes rule and then pass the spect_test in this model to get results. To make things easier I used a dictionary which had mean , standard deviation , and length from the train data . Then I calculated probability of each class and used the naïve bayes formula for prediciting. How this works is that it sees which has higher probability and from that it returns corresponding labels. The results which I got out were then compared with the original spect_test and the accuracy came out to be around 91% which is really good for a naïve bayes model.