To provide assistance with your Naive Bayes classifier implementation, I will assume you have the necessary training data (X\_train and Y\_train) prepared. Here is a more complete example of how to use MultinomialNB from sklearn to train a model and make predictions:

1. **Data Preparation**: Ensure your data is in the correct format, typically as NumPy arrays or pandas DataFrames.
2. **Training**: Train the model with the training data.
3. **Prediction**: Use the trained model to make predictions on new data.

