Project Development Phase Model Performance Test

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| **Date** | 10 November 2022 |
| **Team ID** | PNT2022TMID48272 |
| **Project Name** | STATISTICAL MACHINE LEARNING APPROACHES TO LIVER DISEASE PREDICTION |
| **Maximum Marks** | 10 Marks |

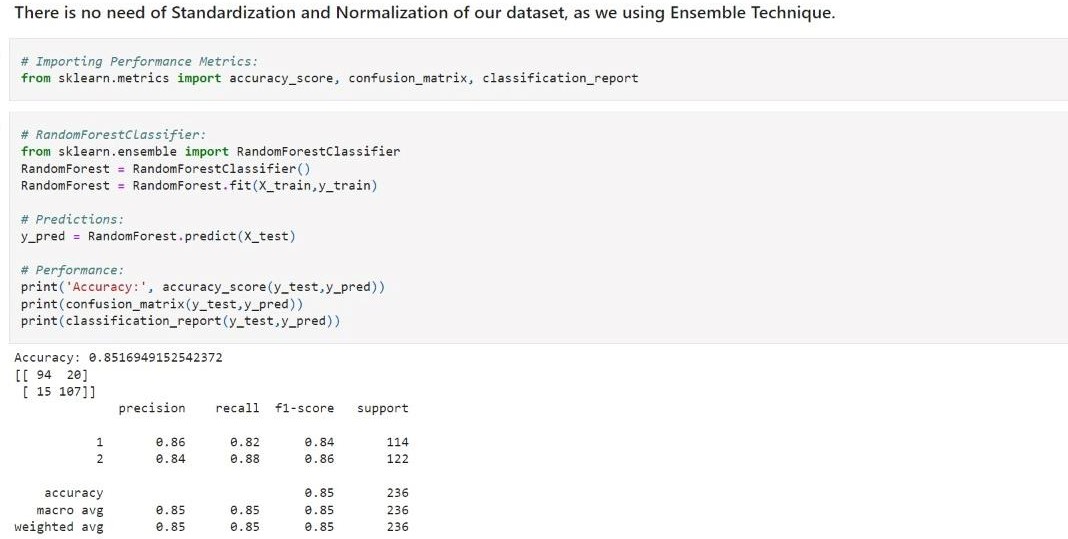
Model Performance Test

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
| 1. | Metrics | **Classification Model:** Accuracy Score- & Classification Report | Random Forest Algorithm, Gradient Boost Algorithm, AdaBoost Algorithm |
| 2. | Tune the model | Hyperparameter Tuning method | Confusion Matrix |

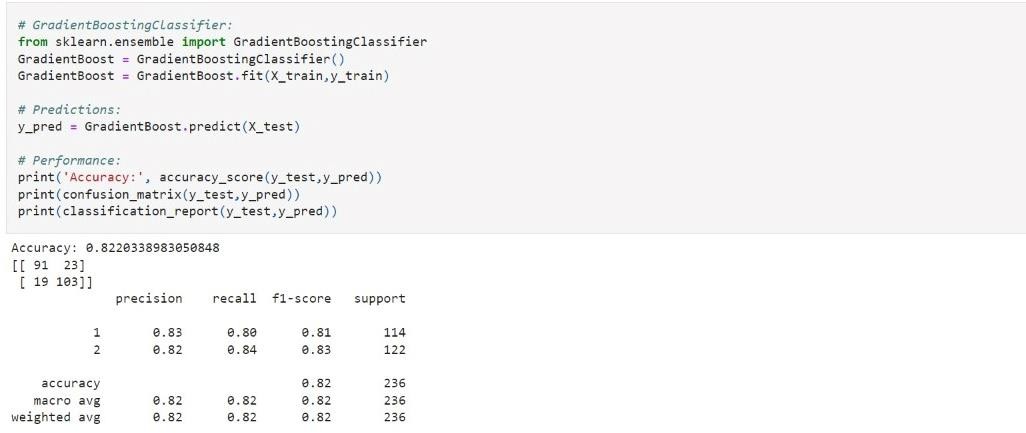
The screenshots are provided below for the above-mentioned table.

**Metrics**

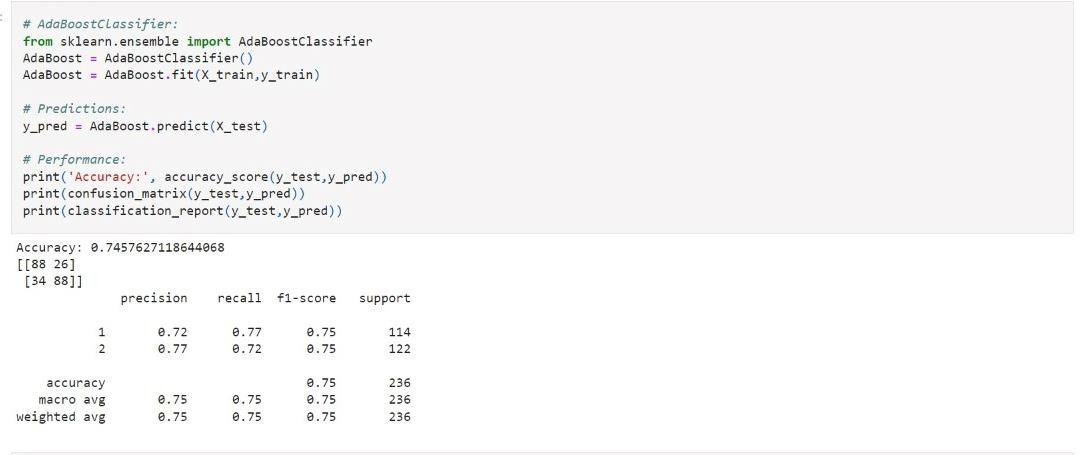
Model: Random Forest Algorithm



GradientBoost Algorithm



AdaBoost Algorithm



**Tune the model Confusion Matrix**

