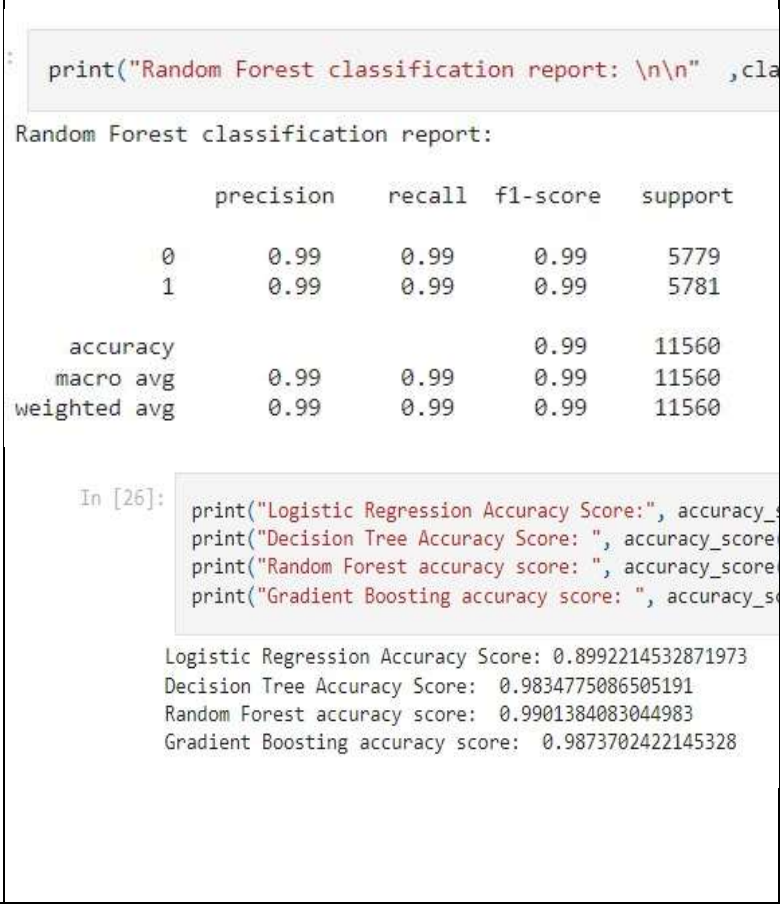
Project Development Phase
Model Performance Test

Date	1 November 2023
Team ID	Team-561695
Project Name	Online Fraud Prediction using ML
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	**Classification Model:** Accuray Score- & Classification Report -	

```
print("Random Forest classification report: \n\n"  ,cla
```

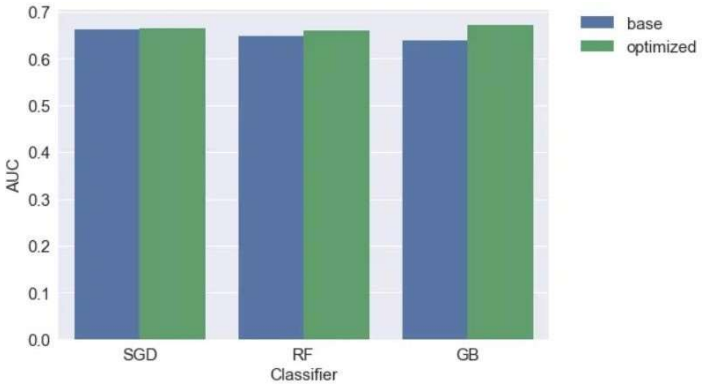
```
Random Forest classification report:

              precision    recall  f1-score   support

           0       0.99      0.99      0.99      5779
           1       0.99      0.99      0.99      5781

    accuracy                           0.99     11560
   macro avg       0.99      0.99      0.99     11560
weighted avg       0.99      0.99      0.99     11560
```

```
In [26]: print("Logistic Regression Accuracy Score:", accuracy_
         print("Decision Tree Accuracy Score: ", accuracy_score
         print("Random Forest accuracy score: ", accuracy_score
         print("Gradient Boosting accuracy score: ", accuracy_s

Logistic Regression Accuracy Score: 0.8992214532871973
Decision Tree Accuracy Score:  0.9834775086505191
Random Forest accuracy score:  0.9901384083044983
Gradient Boosting accuracy score:  0.9873702422145328
```

2.	Tune the Model	Hyperparameter Tuning - Validation Method -