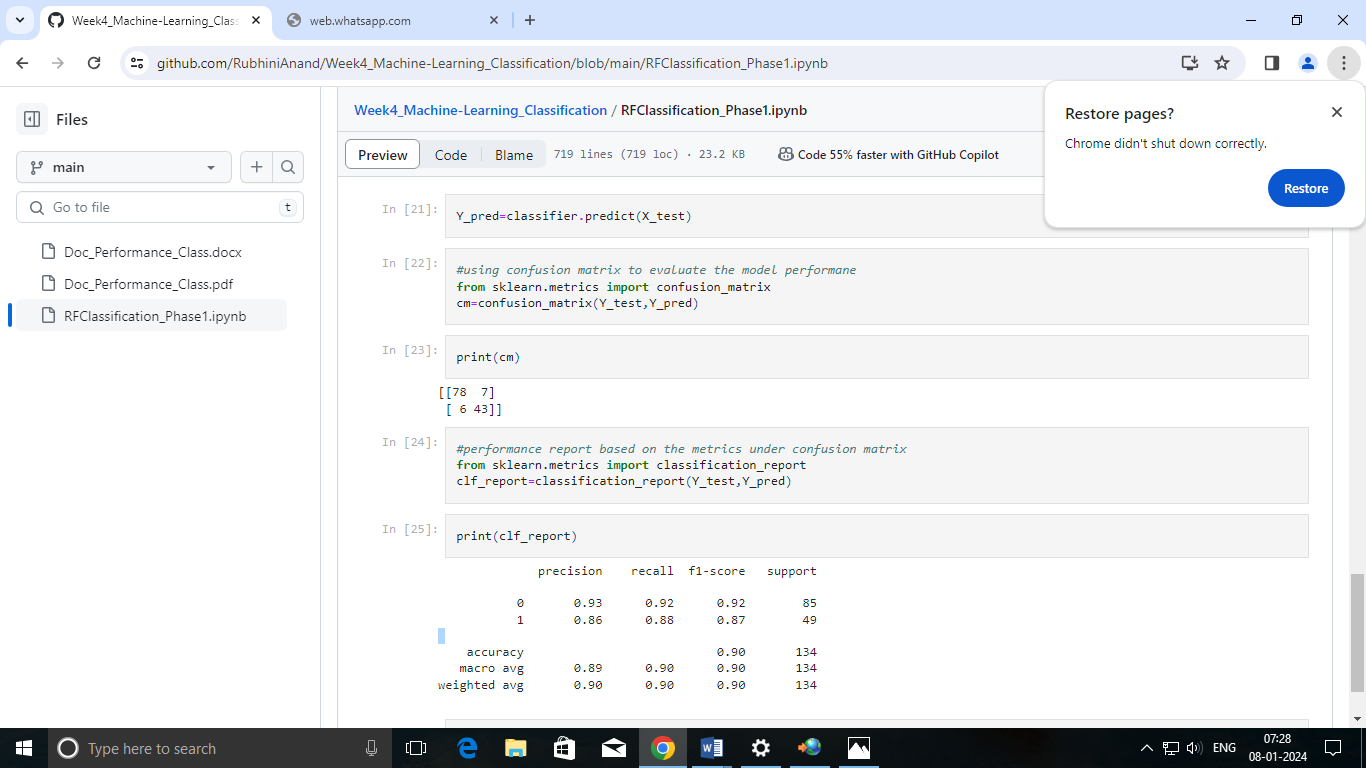
**Classification Algorithms – Confusion Matrix**

**Random Forest**



1. What is the overall performance of the model?

Accuracy is 0.90

1. What is the correct and wrong classification of not purchased?

Precision value for 0 is 0.93

3. What is the correct and wrong classification of purchased?

Precision value for 1 is 0.86

4. What is the correct classification of purchased?

Recall value for 1 is 0.88

5. What is the correct classification of purchased?

Recall value for 0 is 0.92

6. What is the overall performance of purchased?

F1-score of 1 is 0.87

7. What is the overall performance of not purchased?

F1-score of 0 is 0.92

8. What is the total number of not purchased in the test set?

Support for 0 is 85

9. What is the total number of purchased in the test set?

Support for 1 is 49

10. What is the total number of inputs in the test set?

Support for accuracy is 85

11. What is the average performance of recall,precision and f1-score?

Macro Average is 0.89,0.90,0.90

12. What is the proportion rate of recall, precision and f1-score?

Weighted Average is 0.90, 0.90, 0.90