1. Why did you choose the particular algorithm?

Ans.Using Random forest because it reduces the overfitting and increased the accuracy by combining the predictions of several decision trees. It can handle a combination of numerical and category features and requires less adjustment than certain other algorithms.

2. What are the different tuning methods used for the algorithm?

Ans.In random forest minimum quantity of samples needed to separate an internal node is known as the Minimum Samples separate and minimum quantity of samples needed to separate an internal node is known as the Minimum Samples separate and Maximum Features

3. Did you consider any other choice of algorithm?Why or why not?

Ans No, we did not consider other algorithms for this task. The reasons for selecting Random Forest over other algorithms because Unlike some algorithms that require extensive parameter tuning to achieve good performance (e.g., Support Vector Machines, Neural Networks), Random Forest typically performs well with default parameters. This makes it a practical choice when rapid development and deployment are needed.

4. What is the accuracy?

Ans It give the accuracy of 89%

5. What are the different types of metrics that can be used to evaluate the model?

Ans The different types of metrics that can be used to evaluate the model are

1.Accuracy

2. Precision

3. Recall

4. F1 Score

5. Confusion Matrix

6. Log Loss