Classification Report for Decision Tree:

**ACCURACY:**

1.what is the percentage of correct classification of both (purchased & not purchased)

To the total input of the test set?

Overall performance of model (Accuracy) ---- 0.88%

**RECALL:**

2.Only correctly classified class:

1. what is the percentage of purchased to the total input of purchased test set 0.85%
2. what is the Percentage of not purchased to the total input of not purchased test set 0.90%

**PRECISION:**

3.Correctly and wrong classification of class

1. For purchased: 0.81%
2. For not purchased :0.92%

**F1-score:**

4.what is the overall performance of each classified class?

1. Overall performance of purchased: 0.83%
2. Overall performance of not purchased: 0.91%

**MACRO AVERAGE:**

5.what is the average performance of correctly and wrongly classified class?

1. Average performance of precision: 0.87%

2. Average performance of recall: 0.88%

3. Average performance of f1-score: 0.87%

**Weighted average:**

6.Sum of product of proportion rate (weight of each class)

1. Precision: 0.89%
2. Recall: 0.88%
3. F1-score:0.88%