**Decision Tree Classification**

1.What is overall performance of the model ?

Accuracy =0.90

2. What is correct classification of the model?

Recall = Purchased 0.91

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

Precision=Purchased 0.93

Not purchased 0.84

4. How will you validate your model performance ?

F1\_Measure = Purchased 0.92

Not purchased 0.86

5. What is the average performance of the model?

Macro Average= Precision 0.89

Recall 0.89

F1 \_ Score 0.89

6.What is proportion of the model?

Weight Average = Precision 0.90

Recall 0.90

F1\_ Score 0.90

**SVM Classification**

1.What is overall performance of the model ?

Accuracy =0.68

2. What is correct classification of the model?

Recall = Purchased 0.99

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

Precision=Purchased 0.67

Not purchased 0.88

4. How will you validate your model performance ?

F1\_Measure = Purchased 0.80

Not purchased 0.25

5. What is the average performance of the model?

Macro Average= Precision 0.77

Recall 0.57

F1 \_ Score 0.52

6.What is proportion of the model?

Weight Average = Precision 0.74

Recall 0.68

F1 \_ Score 0.59

**Random Forest Classification**

1.What is overall performance of the model ?

Accuracy =0.90

2. What is correct classification of the model?

Recall = Purchased 0.92

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

Precision=Purchased 0.93

Not purchased 0.86

4. How will you validate your model performance ?

F1\_Measure = Purchased 0.92

Not purchased 0.87

5. What is the average performance of the model?

Macro Average= Precision 0.89

Recall 0.90

F1 \_ Score 0.90

6.What is proportion of the model?

Weight Average = Precision 0.90

Recall 0.90

F1 \_ Score 0.90