Assignment questions:

1. What is the overall percentage/performance of correct model in DT/RF/SVM? (Accuracy)

Decision Tree	Random Forest	Support Vector Machine
0.91	0.93	0.79

2. What is the correct classification of not purchased in DT/RF/SVM? (recall-not purchased)

Decision Tree	Random Forest	Support Vector Machine
0.90	0.93	0.97

3. What is the correct classification of purchased in DT/RF/SVM? (recall - purchased)

Decision Tree	Random Forest	Support Vector Machine
0.93	0.91	0.44

4. What is the correct classification of not purchased value using of wrong classification of not purchased in DT/RF/SVM? (precision -not purchased)

Decision Tree	Random Forest	Support Vector Machine
0.96	0.96	0.77

5. What is the correct classification of purchased value using of wrong classification of purchased in DT/RF/SVM? (precision - purchased)

Decision Tree	Random Forest	Support Vector Machine
0.83	0.83	0.90

6. What is the overall performance of not purchased in DT/RF/SVM? (F1 score-not purchased)

Decision Tree	Random Forest	Support Vector Machine
0.93	0.95	0.86

7. What is the overall performance of purchased in DT/RF/SVM? (F1 score- purchased)

Decision Tree	Random Forest	Support Vector Machine
0.87	0.87	0.59

8. What is the macro average performance of precision in DT/RF/SVM? (Macro Average)

Decision Tree	Random Forest	Support Vector Machine
.89	.90	.83

9. What is the macro average performance of recall in DT/RF/SVM? (Macro Average)

Decision Tree	Random Forest	Support Vector Machine
.91	.92	.71

10. What is the macro average performance of F1 score in DT/RF/SVM? (Macro Average)

Decision Tree	Random Forest	Support Vector Machine
.90	.91	.73

11. What is the proposition rate of precision in DT/RF/SVM? (weighted Average)

Decision Tree	Random Forest	Support Vector Machine
.91	.93	.81

12. What is the proposition rate of recall in DT/RF/SVM? (weighted Average)

Decision Tree	Random Forest	Support Vector Machine
.91	.93	.79

13. What is the proposition rate of F1 score in DT/RF/SVM? (weighted Average)

Decision Tree	Random Forest	Support Vector Machine
.91	.93	.77