Decision_Tree_classification

```
print(clf_report)
```

```
              precision    recall  f1-score   support

           0       0.90      0.89      0.90        85
           1       0.82      0.84      0.83        49

    accuracy                           0.87       134
   macro avg       0.86      0.87      0.86       134
weighted avg       0.87      0.87      0.87       134
```

Random Forest Classification

```
print(clf_report)
```

```
              precision    recall  f1-score   support

           0       0.93      0.92      0.92        85
           1       0.86      0.88      0.87        49

    accuracy                           0.90       134
   macro avg       0.89      0.90      0.90       134
weighted avg       0.90      0.90      0.90       134
```

SVM_kernel_Classification

```
print(clf_report)
```

	precision	recall	f1-score	support
0	0.76	0.96	0.85	85
1	0.88	0.47	0.61	49
accuracy			0.78	134
macro avg	0.82	0.72	0.73	134
weighted avg	0.81	0.78	0.76	134

Model Name	Overall Performance (Accuracy)	Not Purchased (Recall)	Purchased (Recall)
Decision_Tree_Classification	0.87	0.89	0.84
Random_Forest_Classification	0.90	0.92	0.88
SVM_Kernel_Classification	0.78	0.96	0.47

Random Forest Classification is Good Model