**ADABOOST**

1. ADABOOST without standardization by default n-estimators

Accuracy score- 0.89

Accuracy on training set: 0.967

Accuracy on test set: 0.890

1. ADABOOST with standardization by default n-estimators ie 50

Accuracy score-0.89

Accuracy on training set: 0.961

Accuracy on test set: 0.899

1. ADABOOST with standardization by taking n-estimators as 100

Accuracy score-0.89

Accuracy on training set: 0.915

Accuracy on test set: 0.898

1. ADABOOST with hyperparameter optimization using cv

Accuracy score-0.89

Accuracy on training set: 0.924

Accuracy on test set: 0.889

**RANDOM FOREST**

1. Random Forest with default parameters

Accuracy score- 0.90

Accuracy on training set: 1.000

Accuracy on test set: 0.901

2)Random Forest by Hyperparameter optimization

Accuracy score- 0.902

Accuracy on training set: 1.000

Accuracy on test set: 0.903

3)Random Forest by taking features playing more importance

Accuracy score- 0.905

Accuracy on training set: 1.000

Accuracy on test set: 0.905

1. Random Forest by standardizing using optimize values

Accuracy score- 0.9017

Accuracy on training set: 1.000

Accuracy on test set: 0.902

**SVM**

1. SVM by default values

Accuracy score- 0.6382791922739245

Accuracy on training set: 0.638

Accuracy on test set: 0.671

1. SVM by standardizing values

Accuracy score- 0.9180567749487855

Accuracy on training set: 0.918

Accuracy on test set: 0.903

1. SVM by hyperparamter optimization

Accuracy score- 0.752121744220076

Accuracy on training set: 0.752

Accuracy on test set: 0.729

1. SVM by taking sigmoid function

Accuracy score- 0.6063798653789875

Accuracy on training set: 0.606

Accuracy on test set: 0.601