1.  Activation Function: Logistic and No of Hidden Layer in 1$^{st}$ layer: 100

    F1 Score: 0.9629736861082729

    Precision Score: 0.9812553282182439

    Recall Score: 0.9487988291950282

    Confusion matrix:

    [[798   4]

     [ 12 209]]

2.  Activation Function:  tanh and No of Hidden Layer in 1$^{st}$ layer: 100

    F1 Score: 0.9664005150528986

    Precision Score: 0.991

    Recall Score: 0.943612596553773

    Confusion matrix:

    [[800   2]

     [ 13 208]]

3.  Activation Function:  Relu and No of Hidden Layer in 1$^{st}$ layer: 100

    F1 Score: 0.9588721605918668

    Precision Score: 0.9904761904761905

    Recall Score: 0.935200714036921

    Confusion matrix:

    [[800   2]

     [ 12 209]]

4.  Activation Function:  tanh and No of Hidden Layer in 1$^{st}$ layer: 47

    Total emails classified: 1023

    F1 Score: 0.9665061130336122

    Precision Score: 0.985096618357488

    Recall Score: 0.949510975506399

    Confusion matrix:

[[799   3]

 [ 11 210]]


5.  Activation Function:  tanh and No of Hidden Layer in 1<sup>st</sup> layer: 200

Total emails classified: 1023

F1 Score: 0.964897112598552

Precision Score: 0.989572192513369

Recall Score: 0.942489533011272

Confusion matrix:

[[800   2]

 [ 12 209]]