Final Equation:

P(W/C) =

P(W/C) = probability of the adjacent words for each classes

= bigram count of the test input from the bigram file generated in the previous step.

= unigram count of the test input from the unigram file generated in the previous step

TBC = Total bigram count of each file generated in the previous step

TBW = Total word count of each file generated in the previous step

Count(W,C) = totol number of words in our corpus

V = Vocabulary of the current corpus.