**ReadMe**

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| *Please run the program****: POSTagging\_with\_NaiveBayes.py*** |

It asks for your sentence which you need to type and press Enter.

Then the program displays POS Tags for words in the typed sentence along with its probability.

**If any word in your sentence is not in the given corpus, then it gives an error.**

**Output Files :**

F**ile: 1** "unigram\_postag.csv" contains the unigrams and their corresponding POS Tags.

**File: 2** "bigram\_wordtag\_counts.csv" contains the bigrams[word, tag] and their corresponding counts.

**File: 3** "bigram\_tag\_prevtag\_counts.csv” contains the bigram[tag, prev\_tag] and their corresponding counts.

**File: 4** "unigram\_tag\_counts.csv” contains the tags and their corresponding counts.

**File: 5** "bigram\_word\_given\_tag\_prob.csv” contains the bigram [word, tag] and their corresponding Probability P(word/tag)

**File :6** "bigram\_tag\_given\_prevtag\_prob.csv" contains the bigram [tag, prev\_tag] with their computer probability P(tag/prev\_tag)