**PARTS OF SPEECH (POS) TAGGING**:

In this block, we have four code files and reciprocal result files for [Parts of Speech Tagging (PoS).](https://en.wikipedia.org/wiki/Part-of-speech_tagging)

They are as follows,

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Serial Number** | **Type of Code** | **Name of the Code file** | **Name of Result File** | **Remarks.** |
| 01 | Default Type | Default\_ptag1.py | Result\_Default\_ptag1.py | Uses [MaxEn](https://www.cl.cam.ac.uk/teaching/1011/L107/clark-lecture6.pdf)t on Brown Corpus. |
| 02 | HMM | Hmm\_tag1.py | Result\_Hmm\_Tag1.py | Uses [HMM](https://en.wikipedia.org/wiki/Hidden_Markov_model) on [Brown Corpus](https://en.wikipedia.org/wiki/Brown_Corpus). The corpus is trained to give result and model is trained here. |
| 03 | NBC | NBC\_Tagger1.py | NBC\_tag\_Result1.py | Uses [NBC](https://en.wikipedia.org/wiki/Naive_Bayes_classifier) on Brown Corpus. The corpus is trained to give result and model is trained here. |
| 04 | CRF | CRF\_tagger1.py | Resullt\_CRF\_tag1.py | Uses [CRF](https://homepages.inf.ed.ac.uk/csutton/publications/crftut-fnt.pdf) on Brown Corpus. The corpus is trained to give result and model is trained here. |

All the codes and libraries are using [Python](https://en.wikipedia.org/wiki/Python_(programming_language)) and its library [NLTK](https://en.wikipedia.org/wiki/Natural_Language_Toolkit) and its dependents.