**Lab Practice 2: Language Modeling**

1. Using bigram.py and the given corpus compute:
   1. The number of bigrams in the corpus
   2. ۲۰ most frequent bigrams in the corpus
   3. List of the words that can follow after "my".
   4. Compute Maximum Likelihood Estimation-based probability distribution for “my”
   5. Compute the probability of a pairs of part b
   6. Compute the probability of the sentence “how do you do” using bigram model and use add-1 smoothing for zero cases.

* Add some more sentences for test here

1. **Optional:** Implement **good Turing smoothing and use it for smoothing.**

You need to use NLTK brown corpus is provided for this assignment.