IR Practical No. 3

Neeraj Appari T073

Aim: Write a program for Pre-processing of a Text

Document: stop word removal.

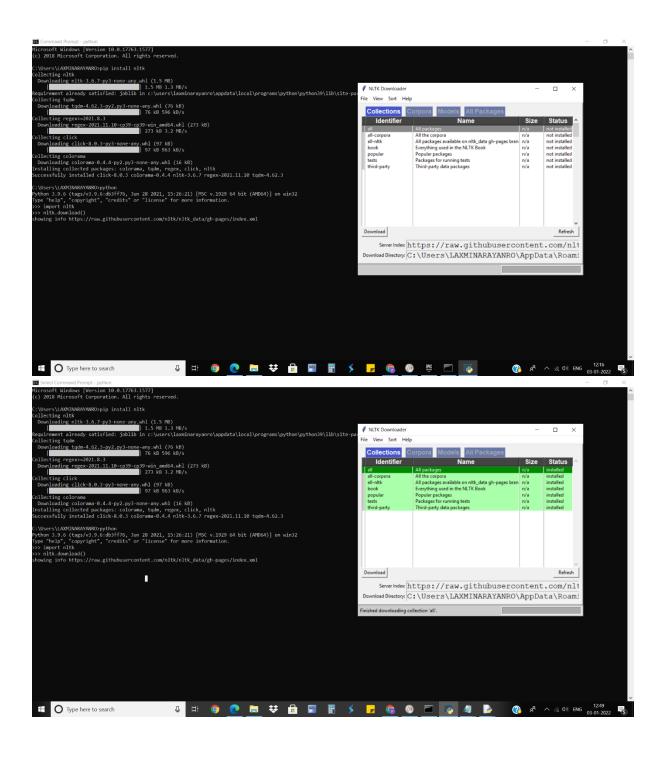
Description:

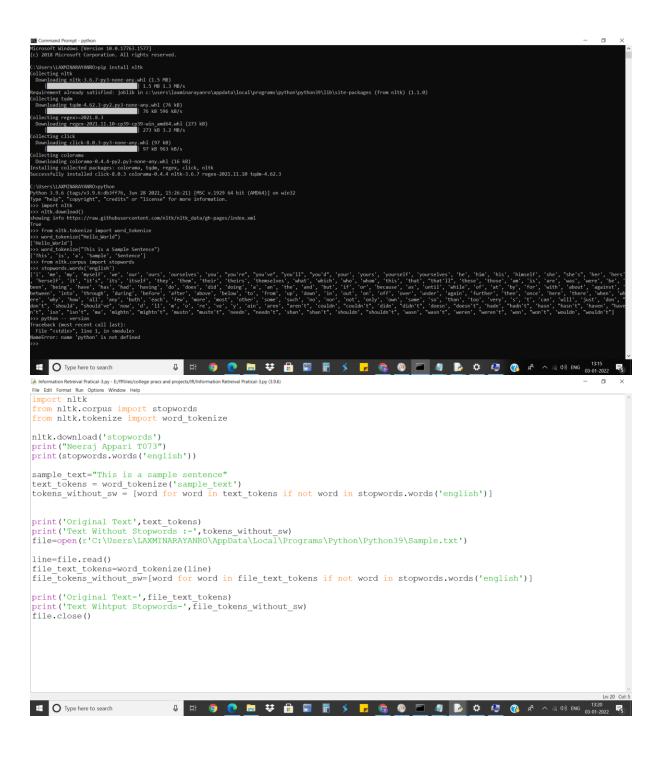
1. NLTK (Natural Language Toolkit)

NLTK (Natural Language Toolkit) is the go-to API for NLP (Natural Language Processing) with Python. It is a really powerful tool to preprocess text data for further analysis like with ML models for instance. It helps convert text into numbers, which the model can then easily work with.

2. Stop words

Stopwords are the English words which does not add much meaning to a sentence. They can safely be ignored without sacrificing the meaning of the sentence. For example, the words like the, he, have etc. Such words are already captured this in corpus named corpus. We first download it to our python environment.





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The last Seed Debug Optoon Window Heig

Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

RESTART: E:/fffiles/college pracs and projects/IR/Information Retreival Pratical-3.py
[Initk data] Downloading package stopwords to
[Initk data] Package stopwords is already up-to-date!

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['i', 'me', 'my', 'myself', 'we', 'our', 'oursel, 'ourselves', 'you', "you're", "you've", "you'il", "you'd", 'your', 'yourse', 'yourself', 'yourselves', 'he', 'him', 'his', 'himself', 'she', "she's", 'her', 'hers', 'herself', 'it', "it'

s", 'its', 'itself', 'they', 'them', 'their', 'theirs', 'themselves', 'what', 'which', 'who', 'whom', 'this', 'that', 'do', 'does', 'did', 'doing', 'a', 'an', 'the', 'and', 'but', 'if', 'or', 'because', 'as', 'until', 'while', 'of', 'a'

t', 'by', 'for', 'with', 'about', 'against,' 'between', 'into', 'through', 'during', 'before', 'after', 'above', 'bel

ow', 'to', 'from', 'up', 'down', 'in', 'out', 'on', 'off', 'over', 'under', 'again', 'further', 'then', 'once', 'here

'n', 'there', 'when', 'why', 'how', 'all', 'any', 'both, 'each', 'few', 'more', 'most', 'other', 'some', 'suc

h', 'no', 'no', 'not', 'olly', 'own', 'same', 'so', 'than', 'too', 'very', 's', 't', 'can', 'will', 'just', 'don', "

don't", 'should', "should've", 'now', 'd', 'll', 'm', 'o', 're', 've', 'y', 'y', 'a'', 'yaren', "arent", "couldn', "couldn't", 'wasn't", 'waen', "weren't", 'won', "won't", 'wouldn't", 'haan', "haan', "haan', "haan't", 'haven', "haven't", 'isn't", 'wasn't", 'weren't", 'weren't", 'won', "won't", 'wouldn't", 'haan', "haan', "haan't", 'should't", 'wasn't", 'wasn't", 'ween't", 'won', "won't", 'won'd', 'wouldn't", 'wouldn't", 'should't", 'should't", 'should't", 'should't", 'should't", 'should't", 'should't", 'should't", 'should't", 'shou
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