Experiment No.2				
Apply Tokenization on given	English	and	Indian	Language
Text				
Date of Performance:				
Date of Submission:				



Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

Aim: Apply Tokenization on given English and Indian Language Text

Objective: Able to perform sentence and word tokenization for the given input text for English and Indian Langauge.

Theory:

Tokenization is one of the first step in any NLP pipeline. Tokenization is nothing but splitting the raw text into small chunks of words or sentences, called tokens. If the text is split into words, then its called as 'Word Tokenization' and if it's split into sentences then its called as 'Sentence Tokenization'. Generally 'space' is used to perform the word tokenization and characters like 'periods, exclamation point and newline char are used for Sentence Tokenization. We have to choose the appropriate method as per the task in hand. While performing the tokenization few characters like spaces, punctuations are ignored and will not be the part of final list of tokens.

Why Tokenization is Required?

Every sentence gets its meaning by the words present in it. So by analyzing the words present in the text we can easily interpret the meaning of the text. Once we have a list of words we can also use statistical tools and methods to get more insights into the text. For example, we can use word count and word frequency to find out important of word in that sentence or document.

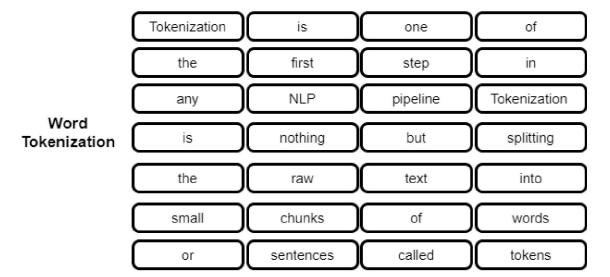


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Input Text

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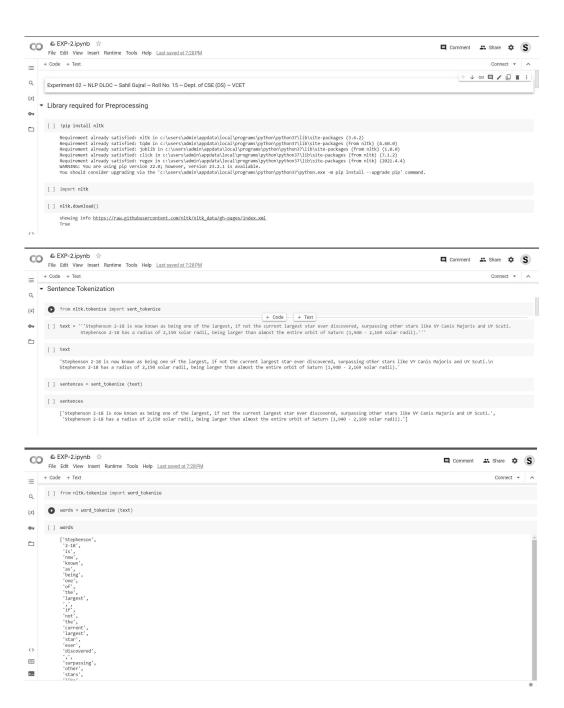


Sentence Tokenization Tokenization is one of the first step in any NLP pipeline

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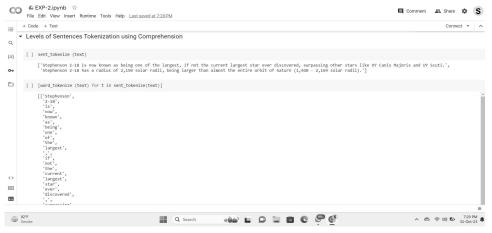
Code:





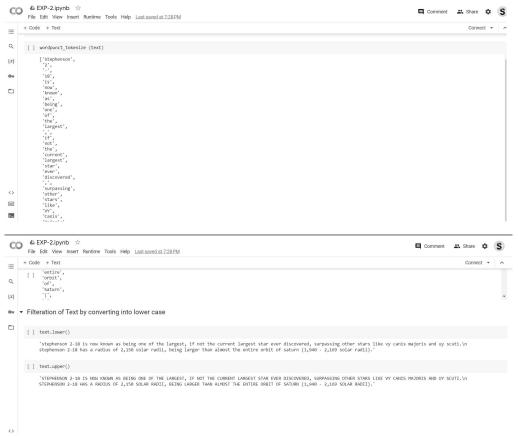












Conclusion:

Comment on the tools used for tokenization of Indian language input.