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

NAVAROTTIPE IN THE PROPERTY OF THE PROPERTY OF

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.

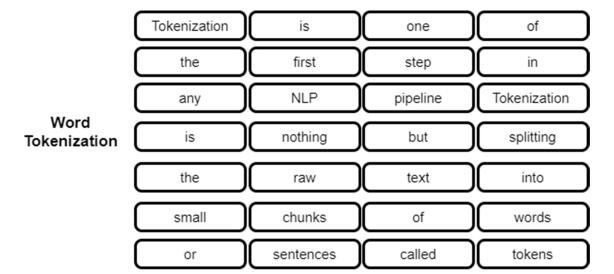
II NAROJINI

Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

Input Text

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.



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

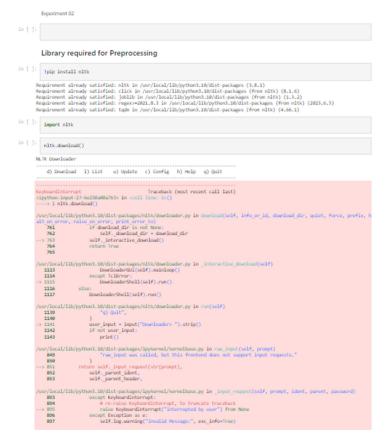
Tokenization is nothing but splitting the raw text into small chunks of words or sentences, called tokens

Output:



Vidyavardhini's College of Engineering and Technology

Department of Artificial Intelligence & Data Science

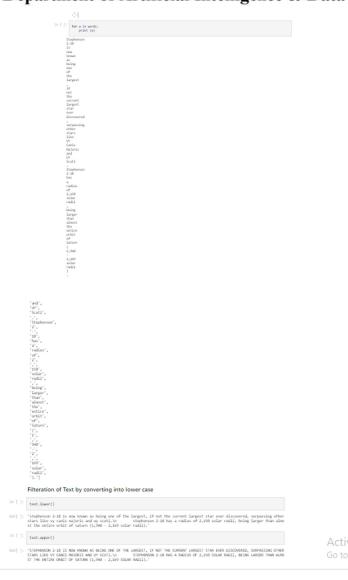




Activate Windows
Go to Settings to activate Windows.



Vidyavardhini's College of Engineering and Technology Department of Artificial Intelligence & Data Science



Conclusion:

There are a number of tools available for tokenization of Indian language input. Some of the most popular tools include: iNLTK: iNLTK is a Python library for natural language processing (NLP) in Indian languages. It includes a variety of NLP tools, including a tokenizer for Indian languages. Mila NMT: Mila NMT is a machine translation toolkit that includes a tokenizer for Indian languages. Indic NLP Library: The Indic NLP Library is a Python library for NLP in Indian languages. It includes a variety of NLP tools, including a tokenizer for Indian languages. spaCy: spaCy is a Python library for NLP. It includes a tokenizer for Indian languages, but it is not as comprehensive as the other tools listed above.

CSDL7013: Natural Language Processing Lab