DATA: 23/04/2022

**EXP No: 09** 

Title of the Lab

Name:Avinash reddy Vasipalli Registration Number: RA1911027010007 Section: N1 Lab Batch: 1 Day Order: 2

Implementation of NLP Programs

**<u>AIM:</u>** To perform the sentimental analysis using Natural Language Processing (NLP).

## Algorithm:

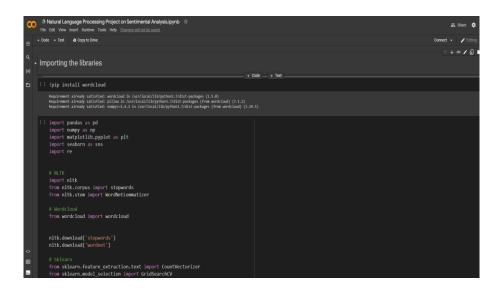
NLP algorithms are used to provide automatic summarization of the main points in a given text or document. NLP algorithms are also used to classify text according to predefined categories or classes and are used to organize information and in email routing and spam filtering.

NLP algorithms are typically based on machine learning algorithms. Instead of hand-coding large sets of rules, NLP can rely on machine learning to automatically learn these rules by analysing a set of examples (i.e., a large corpus, like a book, down to a collection of sentences), and making a statistical inference.

## Steps for NLP algorithm: -

- > Lexical Analysis and Morphological. The first phase of NLP is the Lexical Analysis
- Syntactic Analysis (Parsing)
- ➤ Semantic Analysis
- ➤ Discourse Integration
- ➤ Pragmatic Analysis

## **Source Code:**



```
A Natural Language Processing Project on Serdimental Analysis jupito of the Set War loant Ratine Took to the Common and Analysis jupito of the Set War loant Ratine Took to the Common and Analysis jupito of the Set War loant Ratine Took to the Common and Analysis jupito of the Set War loant Ratine Took Selection Import Gridden-CAV from Skilaran, coscobile Import RandomforestClassifier

# Evaluation Natura, Selection Import to Involving Analysis (Set War loant) Import Selection Import Selection Import to Involving Analysis (Set War loant) Import Selection Import
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