**PROGRAM-9**

**Aim:** Write a program in python to POS (Parts of Speech) tagging for given sentence using NLTK

**Logic:** POS tagging is a process to mark up the words in text format for a particular part of a speech based on its definition and context. It is responsible for text reading in a language and assigning some specific token to each word. Also called grammatical tagging.

**Algorithm:**

1. Import NLTK module into code
2. Import stop-words module using nltk.Corpus
3. Import word­\_tokenize, sent\_tokenize from nltk.tokenize
4. Input sentence
5. Use nltk.pos\_tag to tag word in the sentence.
6. Print the tagged words

**Implementation:**

from nltk.corpus import stopwords

from nltk.tokenize import word\_tokenize, sent\_tokenize

from nltk.tag import pos\_tag

stop\_words = set(stopwords.words("English"))

message = *input*("Enter message : ")

tokens = sent\_tokenize(message)

*print*("POS tags for each word are : ")

for token in tokens:

    word = word\_tokenize(token)

    word = [w for w in word if not w in stop\_words]

    tag = pos\_tag(word)

*print*(tag)

**Input:**

How to use nltk pos tag by using python

**Output:**

