

Aim:-python program for natural language processing in speech tagging

### Program Code

```
import nltk

from nltk.corpus import stopwords

from nltk.tokenize import word_tokenize, sent_tokenize

stop_words = set(stopwords.words('english'))

txt = "Sukanya, Rajib and Naba are my good friends." \
      "Sukanaya is getting married next year." \
      "Marriage is a big step in one's life." \
      "It is both exciting and frightening." \
      "But friendship is a sacred bond between people." \
      "it is a special kind of love between us." \
      "Many of you must have tried searching for a friend." \
      "But never found the right one."

tokenized = sent_tokenize(txt)

for i in tokenized:

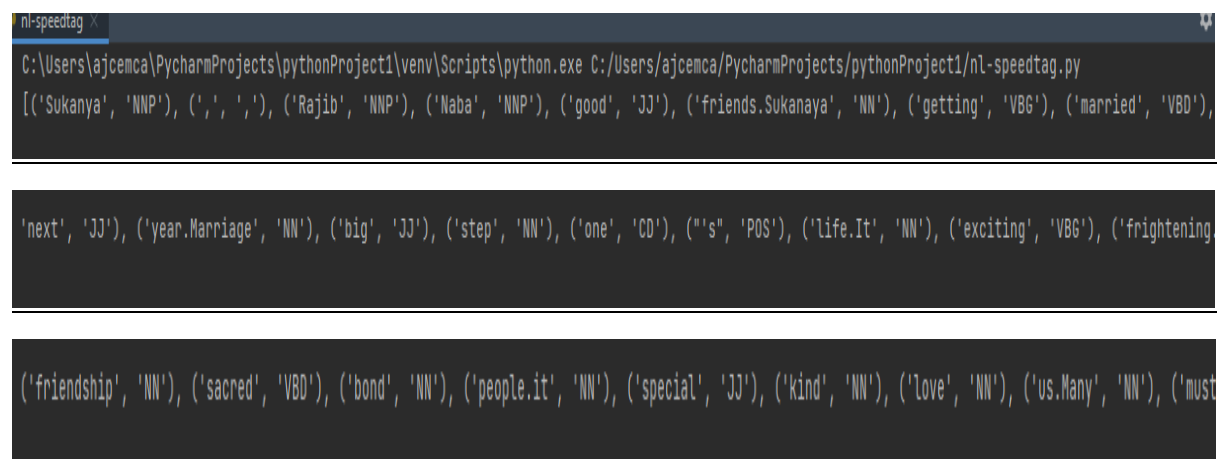
    wordsList = nltk.word_tokenize(i)

    wordsList = [w for w in wordsList if not w in stop_words]

    tagged = nltk.pos_tag(wordsList)

    print(tagged)
```

### Output



```
nl-speedtag x
C:\Users\ajcemca\PycharmProjects\pythonProject1\venv\Scripts\python.exe C:/Users/ajcemca/PycharmProjects/pythonProject1/nl-speedtag.py
[('Sukanya', 'NNP'), (',', ','), ('Rajib', 'NNP'), ('Naba', 'NNP'), ('good', 'JJ'), ('friends.Sukanaya', 'NN'), ('getting', 'VBG'), ('married', 'VBD'),
('next', 'JJ'), ('year.Marriage', 'NN'), ('big', 'JJ'), ('step', 'NN'), ('one', 'CD'), ('s', 'POS'), ('life.It', 'NN'), ('exciting', 'VBG'), ('frightening',
('friendship', 'NN'), ('sacred', 'VBD'), ('bond', 'NN'), ('people.it', 'NN'), ('special', 'JJ'), ('kind', 'NN'), ('love', 'NN'), ('us.Many', 'NN'), ('must
```