

Program no:19

Aim: Python program for natural language processing –Speech tagging

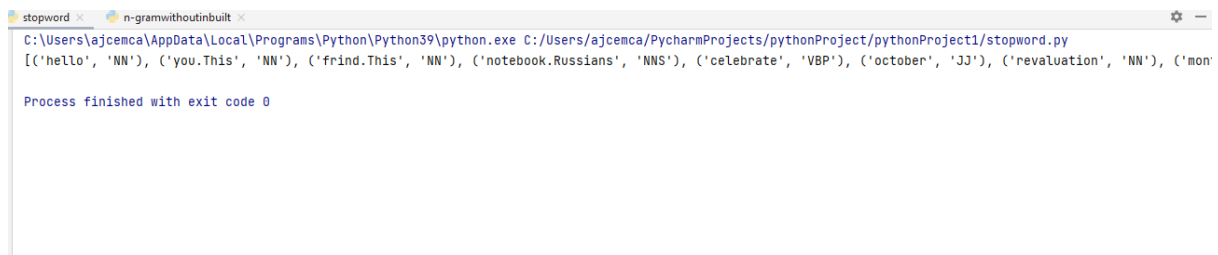
Program

```
import nltk
from nltk.corpus import stopwords
from nltk.tokenize import word_tokenize,sent_tokenize

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

txt = "hello how are you." \
      "This is my frind." \
      "This is my notebook." \
      "Russians celebrate the october revaluation in the month of november." \
      "frienship is scared bond between people." \
      "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



The screenshot shows a Python script execution window with the following output:

```
C:\Users\ajcemca\AppData\Local\Programs\Python\Python39\python.exe C:/Users/ajcemca/PycharmProjects/pythonProject/pythonProject1/stopword.py
[('hello', 'NN'), ('you.This', 'NN'), ('frind.This', 'NN'), ('notebook.Russians', 'NNS'), ('celebrate', 'VBP'), ('october', 'JJ'), ('revaluation', 'NN'), ('mon'
Process finished with exit code 0
```