# PROGRAM-7

**Aim:** Write a program in python to remove stop-words for a given passage from text-file using NLTK

**Logic:** A stop-word is a commonly used word such as the, a, am, in that a search engine has been programmed to ignore, both when indexing entries for searches and when retrieving them as the result of search query. We do not want these words to take space in databox so we remove them.

NLTK in python has a list of stop-words stored in 16 different languages

**Algorithm:**

1. Import NLTK library
2. Import stop-words from NLTK
3. Open source and destination files
4. Check all words in source file. If word is a stop word remove it, else write it into destination file

**Implementation:**

```python
from nltk.corpus import stopwords

f1 = open("input.txt","r")
f2 = open("Output.txt","w")

stop_words = stopwords.words("English")

for line in f1:
    words = line.split()
    for word in words:
        if word not in stop_words:
            f2.write(word)
            f2.write(" ")

f1.close()
f2.close()
```
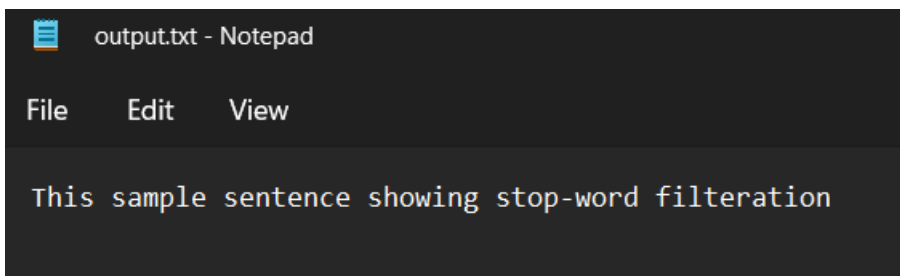
**Input:**

Input.txt: This is a sample sentence showing off the stop-word filteration

**Output:**



output.txt - Notepad

File    Edit    View

This sample sentence showing stop-word filteration