NLP

```
# pip install bs4
# pip install beautifulsoup4
# pip install html5lib
import nltk
#nltk.download()
from nltk.book import *
import urllib.request
response = urllib.request.urlopen('https://en.wikipedia.org/wiki/SpaceX')
html = response.read()
print(html)
from bs4 import BeautifulSoup
soup = BeautifulSoup(html,'html5lib')
text = soup.get_text(strip = True)
print("Text = ")
print(text)
tokens = [t for t in text.split()]
print("Tokens = ")
print(tokens)
from nltk.corpus import stopwords
sr = stopwords.words('english')
clean _tokens = tokens[:]
for token in tokens:
 if token in stopwords.words('english'):
    clean_tokens.remove(token)
freq = nltk.FreqDist(clean_tokens)
for key, val in freq.items():
  print(str(key) + ':' + str(val))
freq.plot(20, cumulative=False)
Output
```

C:\Users\Inna\Anaconda3\envs\tensorflow\python.exe C:/Users/: *** Introductory Examples for the NLTK Book ***

Loading text1, ..., text9 and sent1, ..., sent9

Type the name of the text or sentence to view it.

Type: 'texts()' or 'sents()' to list the materials.

text1: Moby Dick by Herman Melville 1851

text2: Sense and Sensibility by Jane Austen 1811

text3: The Book of Genesis

text4: Inaugural Address Corpus

text5: Chat Corpus

text6: Monty Python and the Holy Grail

text7: Wall Street Journal text8: Personals Corpus

text9: The Man Who Was Thursday by G . K . Chesterton 1908

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