HAFTA_3 KAYNAK KODLARI

```
#Loading NLTK
import nltk


#Sentence Tokenization

from nltk.tokenize import sent_tokenize
text="""Hello Mr. Smith, how are you doing today? The weather is great, and city is awesome.
The sky is pinkish-blue. You shouldn't eat cardboard"""
tokenized_text=sent_tokenize(text)
print(tokenized_text)

#Word Tokenization

from nltk.tokenize import word_tokenize
tokenized_word=word_tokenize(text)
print(tokenized_word)


#Frequency Distribution

from nltk.probability import FreqDist
fdist = FreqDist(tokenized_word)
print(fdist)

fdist.most_common(2)

# Frequency Distribution Plot
import matplotlib.pyplot as plt
fdist.plot(30,cumulative=False)
plt.show()


#Stopwords

from nltk.corpus import stopwords
stop_words=set(stopwords.words("english"))
print(stop_words)


#Removing Stopwords

filtered_sent=[]
for w in tokenized_sent:
    if w not in stop_words:
        filtered_sent.append(w)
print("Tokenized Sentence:",tokenized_sent)
print("Filterd Sentence:",filtered_sent)
```