

2

```
qText = "....."  
print (sent_tokenize(qText))
```

(3) t.count("is")
t.vocab() // {'': 3
? : 2 }

④ Stop words: words ('english')

stop words. Yaw ('arabic')

	from	nltk.stem	import	PorterStemmer
(5)	"	"	"	SnowballStemmer
	"	"	"	LangCasterStemmer

ps. Stem (w)

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Step \Rightarrow

normalize
lemmatize
stopwords.

For - Ngrams \Rightarrow

Word tokenize
ngrams
Freq Dist

Date / /

⑥ from nltk import WordNetLemmatizer

wnl = WordNetLemmatizer()

wnl.lemmatize(w)

⑦

import string

p = string.punctuation

⑧ from textblob import TextBlob

// spellings ko
check krna ka
dia hta ga.

t = " "

t1 = TextBlob(t)

t2 = t1.correct()

⑨

g = nltk.ngrams(tokens, 1) \nearrow for bigram use 2
gfd = nltk.FreqDist(g) \searrow for trigrams use 3
word tokens.

for i in gfd.items():
print(i)

Time Series

⑩ data['Date'] = pd.to_datetime(data['Date'])

data['Year'] = data['Date'].dt.year
" ['Month'] " " " " .dt.month