

```
import nltk
```

```
text = ''' Little drops of water,  
Little grains of sand,  
Make the mighty ocean  
And the pleasant land.
```

Thus the little minutes,
Humble though they be,
Make the mighty ages
Of eternity.'''

```
for char in text:
    sentences = nltk.sent_tokenize(text)

for sentence in sentences:
    word = nltk.word_tokenize(sentence)
    tagged = nltk.pos_tag(word)
    print(tagged)
```

```
[('Little', 'JJ'), ('drops', 'NNS'), ('of', 'IN'), ('water', 'NN'), (',', ', ', '),  
('Little', 'NNP'), ('grains', 'NNS'), ('of', 'IN'), ('sand', 'NN'), (',', ', ', '),  
('Make', 'VBP'), ('the', 'DT'), ('mighty', 'NN'), ('ocean', 'NN'), ('And', 'CC')  
, ('the', 'DT'), ('pleasant', 'JJ'), ('land', 'NN'), ('.', '.')] ]
```

```
[('Thus', 'RB'), ('the', 'DT'), ('little', 'JJ'), ('minutes', 'NNS'), (',', ', ', '  
, ('Humble', 'NNP'), ('though', 'IN'), ('they', 'PRP'), ('be', 'VB'), (',', ', ', '  
, ('Make', 'VB'), ('the', 'DT'), ('mighty', 'NN'), ('ages', 'NNS'), ('Of', 'I  
N'), ('eternity', 'NN'), ('.', '.')] ]
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[('Thus', 'RB'), ('the', 'DT'), ('little', 'JJ'), ('minutes', 'NNS'), (',', ','), (',', ',')]
```

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[illegible]

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[illegible]

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```
[('Thus', 'RB'), ('the', 'DT'), ('little', 'JJ'), ('minutes', 'NNS'), (',', ',', ',')]
```

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[illegible]

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[illegible]

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[illegible]

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```
[('Thus', 'RB'), ('the', 'DT'), ('little', 'JJ'), ('minutes', 'NNS'), (',', ','), (',', ',')]
```

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In [4]:

```
from nltk.tokenize import TweetTokenizer
```

In [5]:

```
text = 'I love attending my nlp classes XD #NLP'
```

In [6]:

```
tokenizer = TweetTokenizer()  
tokenizer.tokenize(text)
```

Out[6]:

```
['I', 'love', 'attending', 'my', 'nlp', 'classes', 'XD', '#NLP']
```

In [7]:

```
from urllib import request
```

In [8]:

```
url = 'https://www.gutenberg.org/files/2554/2554-0.txt'  
res = request.urlopen(url)  
raw = res.read().decode('utf8')
```

In [9]:

```
from nltk.tokenize import word_tokenize  
tokens = word_tokenize(raw)
```

In [10]:

```
type(tokens)
```

Out[10]:

```
list
```

In [16]:

```
-----  
FileNotFoundError                                Traceback (most recent call last)  
<ipython-input-16-1387b94ca0ad> in <module>  
      1 import nltk  
----> 2 f = open('https://www.gutenberg.org/files/2554/2554-0.txt', 'r')  
      3 text = f.read()  
      4 text1 = text.split()  
      5 text2 = nltk.Text(text1)
```

```
FileNotFoundError: [Errno 2] No such file or directory: 'https://www.gutenberg.  
org/files/2554/2554-0.txt'
```

In []:

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