In [1]:
```
pip install nltk
```

```
Requirement already satisfied: nltk in c:\programdata\anaconda3\lib\site-pack
ages (3.5)
Requirement already satisfied: tqdm in c:\programdata\anaconda3\lib\site-pack
ages (from nltk) (4.50.2)
Requirement already satisfied: regex in c:\programdata\anaconda3\lib\site-pac
kages (from nltk) (2020.10.15)
Requirement already satisfied: joblib in c:\programdata\anaconda3\lib\site-pa
ckages (from nltk) (0.17.0)
Requirement already satisfied: click in c:\programdata\anaconda3\lib\site-pac
kages (from nltk) (7.1.2)
Note: you may need to restart the kernel to use updated packages.
```

In [2]:
```
import nltk
nltk.download('punkt')  # For tokenization
nltk.download('averaged_perceptron_tagger')  # For POS tagging
```

```
[nltk_data] Downloading package punkt to
[nltk_data]     C:\Users\Admin\AppData\Roaming\nltk_data...
[nltk_data]   Package punkt is already up-to-date!
[nltk_data] Downloading package averaged_perceptron_tagger to
[nltk_data]     C:\Users\Admin\AppData\Roaming\nltk_data...
[nltk_data]   Unzipping taggers\averaged_perceptron_tagger.zip.
```

Out[2]:
```
True
```

In [3]:
```
import nltk
from nltk.tokenize import word_tokenize
from nltk import pos_tag

# Example sentence
sentence = "The quick brown fox jumps over the lazy dog."

# Tokenize the sentence into words
words = word_tokenize(sentence)

# Perform POS tagging
pos_tags = pos_tag(words)

# Display the words along with their POS tags
for word, tag in pos_tags:
    print(f"{word}: {tag}")
```

```
The: DT
quick: JJ
brown: NN
fox: NN
jumps: VBZ
over: IN
the: DT
lazy: JJ
dog: NN
.: .
```

In [ ]: