In [1]:
```python
import spacy

# Load SpaCy's English language model
nlp = spacy.load('en_core_web_sm')

# Sentence to be processed
sentence = 'NLP is amazing and fun to learn.'

# Process the sentence with SpaCy
doc = nlp(sentence)

# Perform POS tagging and print the results
for token in doc:
    print(f'Word: {token.text}, POS: {token.pos_}')
```

```
Word: NLP, POS: PROPN
Word: is, POS: AUX
Word: amazing, POS: ADJ
Word: and, POS: CCONJ
Word: fun, POS: ADJ
Word: to, POS: PART
Word: learn, POS: VERB
Word: ., POS: PUNCT
```