```
import nltk
nltk.download('punkt')
nltk.download('averaged_perceptron_tagger')

[nltk_data] Downloading package punkt to /root/nltk_data...
[nltk_data] Unzipping tokenizers/punkt.zip.
[nltk_data] Downloading package averaged_perceptron_tagger to
[nltk_data] /root/nltk_data...
[nltk_data] Unzipping taggers/averaged_perceptron_tagger.zip.
True

from nltk.chunk import RegexpParser
from nltk.tokenize import word_tokenize

sentence = "Educative Answers is a free web encyclopedia written by devs for devs."
```

▼ Tokenization

```
tokens = word_tokenize(sentence)

tokens

['Educative',
   'Answers',
   'is',
   'a',
   'free',
   'web',
   'encyclopedia',
   'written',
   'by',
   'devs',
   'for',
   'devs',
   '.']
```

▼ POS tagging

Chunking patterns

```
chunk_patterns = r"""
    NP: {<DT>?<JJ>*<NN>}  # Chunk noun phrases
    VP: {<VB.*><NP|PP>}  # Chunk verb phrases
"""

chunk_patterns
    '\n    NP: {<DT>?<JJ>*<NN>}  # Chunk noun phrases\n    VP: {<VB.*><NP|PP>}  # Chunk verb phrases\n'
```

Create a chunk parser

▼ Perform chunking

```
result = chunk_parser.parse(pos_tags)

print(result)

    (S
        Educative/JJ
        Answers/NNPS
        (VP is/VBZ (NP a/DT free/JJ web/NN))
        (NP encyclopedia/NN)
        written/VBN
        by/IN
        (NP devs/NN)
        for/IN
        (NP devs/NN)
        ./.)
```