```
import nltk
   nltk.download('punkt')
   nltk.download('averaged_perceptron_tagger')
         [nltk_data] Downloading package punkt to
         [nltk_data]
                            C:\Users\Admin\AppData\Roaming\nltk_data...
         [nltk_data]
                          Unzipping tokenizers\punkt.zip.
         [nltk_data] Downloading package averaged_perceptron_tagger to
                            C:\Users\Admin\AppData\Roaming\nltk_data...
         [nltk_data]
         [nltk_data]
                          Package averaged_perceptron_tagger is already up-to-
         [nltk_data]
         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
   pos_tags = nltk.pos_tag(tokens)
   pos_tags
         [('Educative', 'JJ'),
    ('Answers', 'NNPS'),
    ('is', 'VBZ'),
    ('a', 'DT'),
    ('free', 'JJ'),
    ('web', 'NN'),
    ('encyclopedia', 'NN'),
    ('wuitten', 'VBN')
          ('encyclopedia', 'Nr'
('written', 'VBN'),
('by', 'IN'),
('devs', 'NN'),
('for', 'IN'),
('devs', 'NN'),
('devs', 'NN'),
('.', '.')]
Chunking patterns
   chunk_patterns = r"""
        NP: {\langle DT \rangle?\langle JJ \rangle*\langle NN \rangle} # Chunk noun phrases
        VP: {<VB.*><NP|PP>} # Chunk verb phrases
   chunk_patterns
                  NP: {\DT}^{\J}^{\NN} # Chunk noun phrases\n' VP: {\CD}^{\N}^{\N} # Chunk verb phrases\n'
Create a chunk parser
   chunk_parser = RegexpParser(chunk_patterns)
```

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)
        ./.)
```