```
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 = "Vidyavardhini's college of Engineering and Technology VASAI"
```

Tokenization

```
tokens = word_tokenize(sentence)

tokens

['Vidyavardhini',
    "'s",
    'college',
    'of',
    'Engineering',
    'and',
    'Technology',
    'VASAI']
```

▼ POS tagging

```
pos_tags = nltk.pos_tag(tokens)

pos_tags

[('Vidyavardhini', 'NNP'),
    ("'s", 'POS'),
    ('college', 'NN'),
    ('of', 'IN'),
    ('Engineering', 'NNP'),
    ('and', 'CC'),
    ('Technology', 'NNP'),
    ('VASAI', 'NNP')]
```

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