

Program No:21

Aim:Write Python program for natural language processing which performs Chunking.

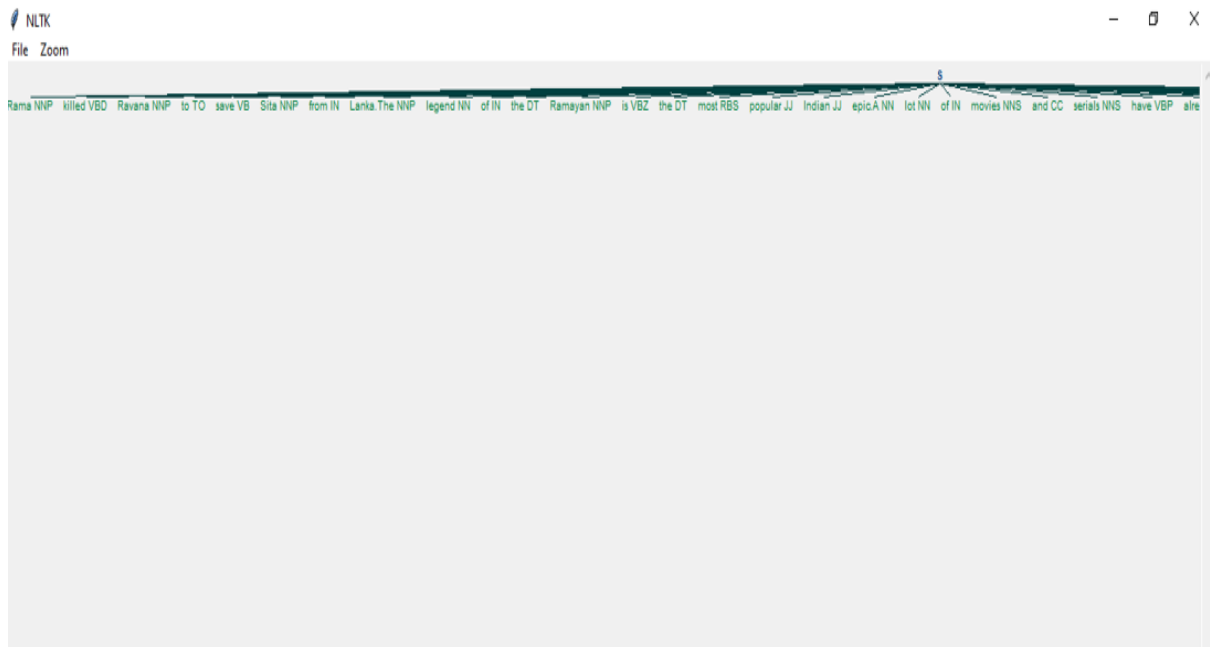
Program:

```
import nltk

nltk.download('averaged_perceptron_tagger')
sample_text = """
Rama killed Ravana to save Sita from Lanka.The legend of the Ramayan is the most popular
Indian epic.A lot of movies and serials have already
been shot in several languages here in India based on the Ramayana.
"""

tokenized = nltk.sent_tokenize(sample_text)
for i in tokenized:
    words = nltk.word_tokenize(i)
    tagged_words = nltk.pos_tag(words)
    chunkGram = r"""VB: { }"""
    chunkParser = nltk.RegexpParser(chunkGram)
    chunked = chunkParser.parse(tagged_words)
    chunked.draw()
```

Output:



most RBS popular JJ Indian JJ epic A NN lot NN of IN movies NNS and CC serials NNS have VBP already RB been VBN shot VBN in IN several JJ languages NNS here RB in IN India NNP based VBN on IN the DT Ramayana NNP ...