## CSE 7320 A12 Chunking

**Student Name: Chenming Cui** 

Student ID: 47781790

## Part One: Code

```
import nltk
1
    nltk.download('punkt')
3
    nltk.download('averaged_perceptron_tagger')
4
5
    # create three sentences
6
    sentence1 = "Cancers can be easier to cure if they are found in earlier stages."
    sentence2 = "Jeff shared a video to Facebook named His Mansion House speech."
7
8
    sentence3 = "China is still leading the fastest developing trends in this world."
9
10
    # define a function to process all three sentences
    def np_rule(sentence):
11
        tokens = nltk.word_tokenize(sentence)
12
13
        print (tokens)
14
        tags = nltk.pos_tag(tokens)
15
        print (tags)
16
17
        grammar = "NP: {<DT>?<PRP.*>*<JJ.*>*<VBG>*<NN.*>*}"
18
        cp = nltk.RegexpParser(grammar)
19
20
        result = cp.parse(tags)
21
        print (result)
22
23
    np_rule(sentence1)
24
    np_rule(sentence2)
25
26
    np_rule(sentence3)
```

## **Part Two: Result**

**Output Capture**