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B.E. 4 Roll No.22

EXPERIMENT 8

AIM: Write a program to implement Rule based Chunking in python

SOURCE CODE:

```
import nltk
nltk.download('state_union')
from nltk.corpus import state_union
from nltk.tokenize import PunktSentenceTokenizer
train_text = state_union.raw("2005-GWBush.txt")
custom_sent_tokenizer = PunktSentenceTokenizer(train_text)
tokenized = custom_sent_tokenizer.tokenize("Manchester United Football Club is a
professional football club based in Old Trafford")
def process_content():
    try:
        for i in tokenized:
            words = nltk.word_tokenize(i)
            tagged = nltk.pos_tag(words)
            chunkGram = r"""Chunk: {<RB.?>*<VB.?>*<NNP>+<NN>?}"""
            chunkParser = nltk.RegexpParser(chunkGram)
            chunked = chunkParser.parse(tagged)
            chunked.draw()
    except Exception as e:
        print(str(e))
process_content()
```

OUTPUT:

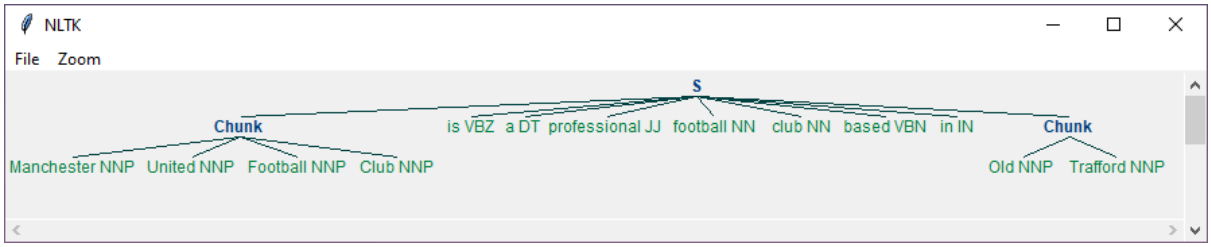

Fig1. Performing Chunking