

Experiment No : 5

```
import nltk

f = open("C:/Users/MY/Desktop/New folder/song.txt", "r")

if f.mode == 'r':

    text = f.read()

tokens = nltk.word_tokenize(text)

tag = nltk.pos_tag(tokens)

print(tag)

grammar = "NP: {<DT>?<JJ>*<NN>}"

cp =nltk.RegexpParser(grammar)

result = cp.parse(tag)

print(result)

result.draw()
```

Output:

```
C:\Users\MY\Desktop>python exp1.py
```

Input :

Look at her face, it's a wonderful face

And it means something special to me

```
C:\Users\MY\Desktop>python exp1.py
```

```
[('Look', 'NN'), ('at', 'IN'), ('her', 'PRP$'), ('face', 'NN'), (',', ','), ('it', 'PRP'), ('s', 'VBZ'), ('a', 'DT'), ('wonderful', 'JJ'), ('face', 'NN'), ('And', 'CC'), ('it', 'PRP'), ('means', 'VBZ'), ('something', 'NN'), ('special', 'JJ'), ('to', 'TO'), ('me', 'PRP')]
```

(S

(NP Look/NN)

at/IN

her/PRP\$

(NP face/NN)

,/,

it/PRP

's/VBZ

(NP a/DT wonderful/JJ face/NN)

And/CC

it/PRP

means/VBZ

(NP something/NN)

special/JJ

to/TO

me/PRP)

