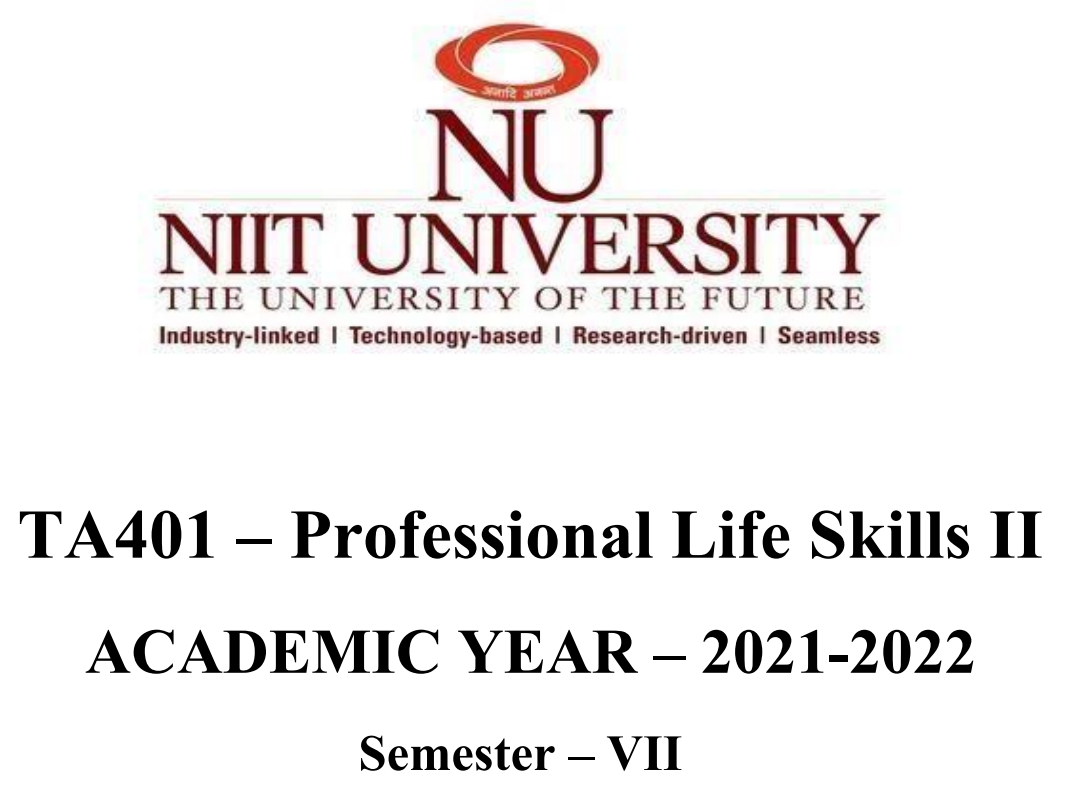
****

**Code:**

import nltk

from nltk.parse.chart import BU\_LC\_STRATEGY

grammar = nltk.CFG.fromstring(

"""

S -> NP VP | VP NP | AUX PP | PP NP

PP -> P NP

NP -> Det N | NP PP

VP -> V NP | VP PP

Det -> 'the'

N -> 'kids' | 'box' | 'floor' | 'map' | 'table' | 'scouts' | 'adults'

V -> 'opened' | 'closed' | 'jumped' | 'kicked'

P -> 'on'

""")

#sen = 'the kids opened the box on the floor'

sen = 'the scouts closed the map on the table'

s = sen.split(' ')

parser=nltk.parse.EarleyChartParser(grammar,trace=1)

print(parser.parse(s))

parser = nltk.ChartParser(grammar)

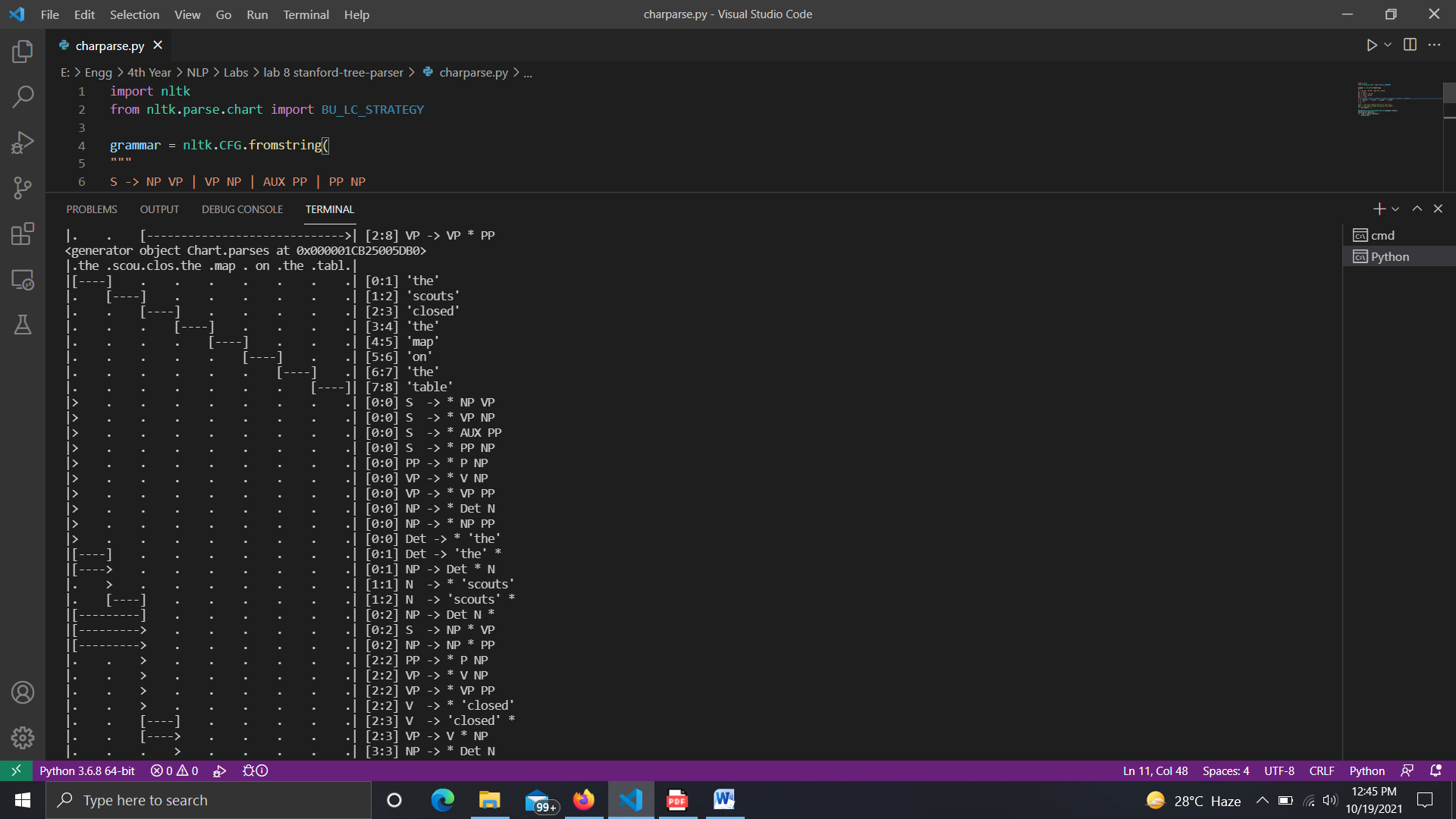
for tree in parser.parse(s):

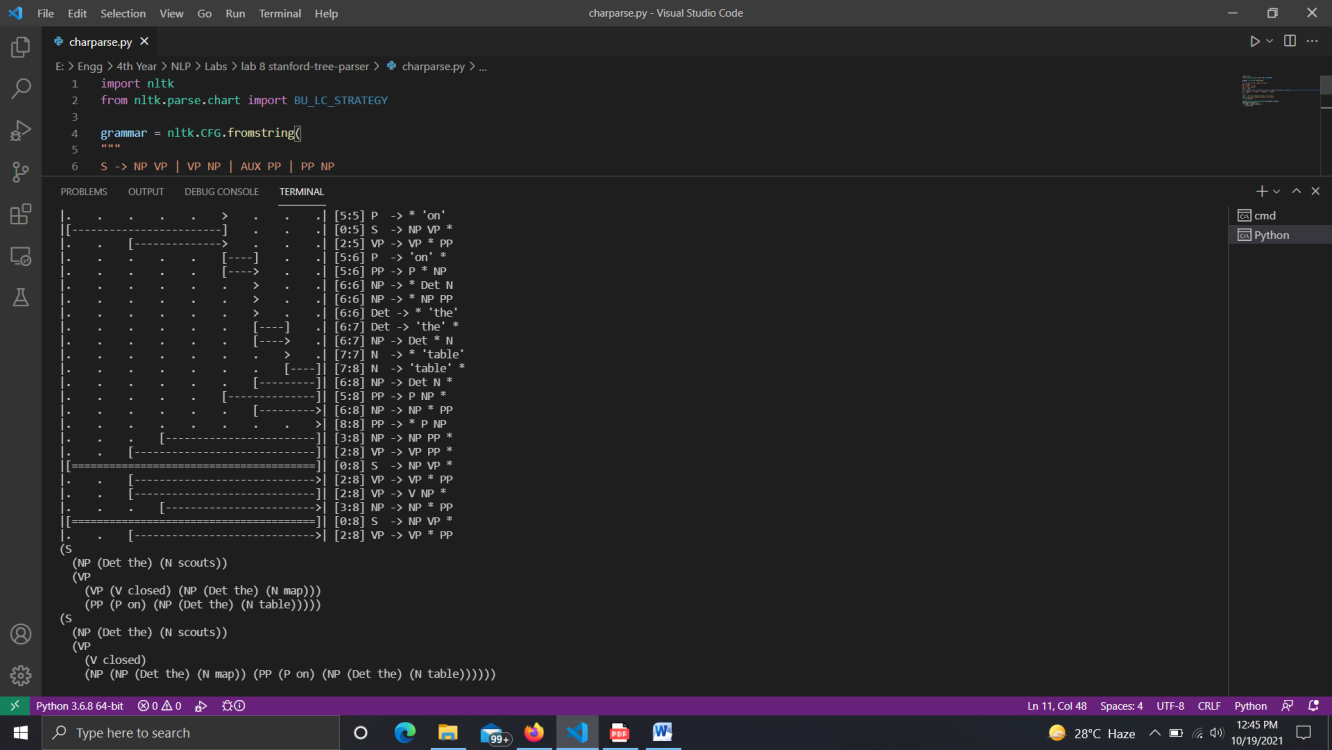
    print(tree)

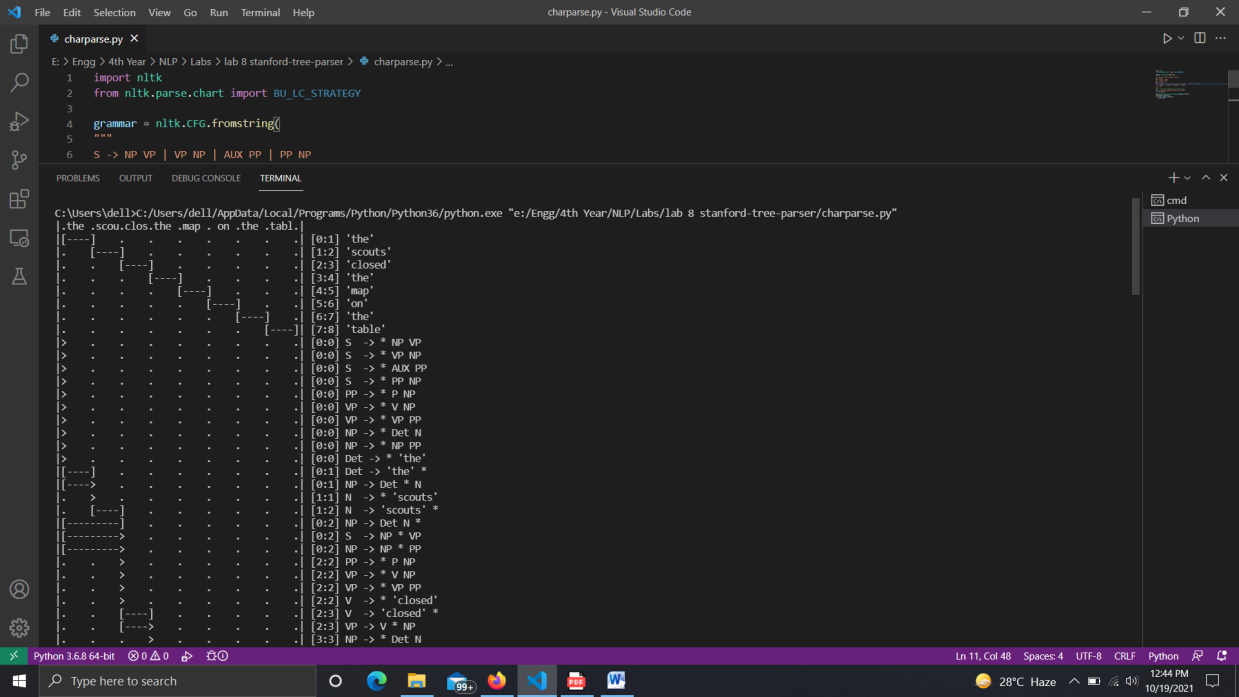
**Analysis:**

**The grammar must have substancial amount of rules in order to get the correct order of states. Else some states will be shown after the 0 state in the chart.**

**Output:**

****

****

****