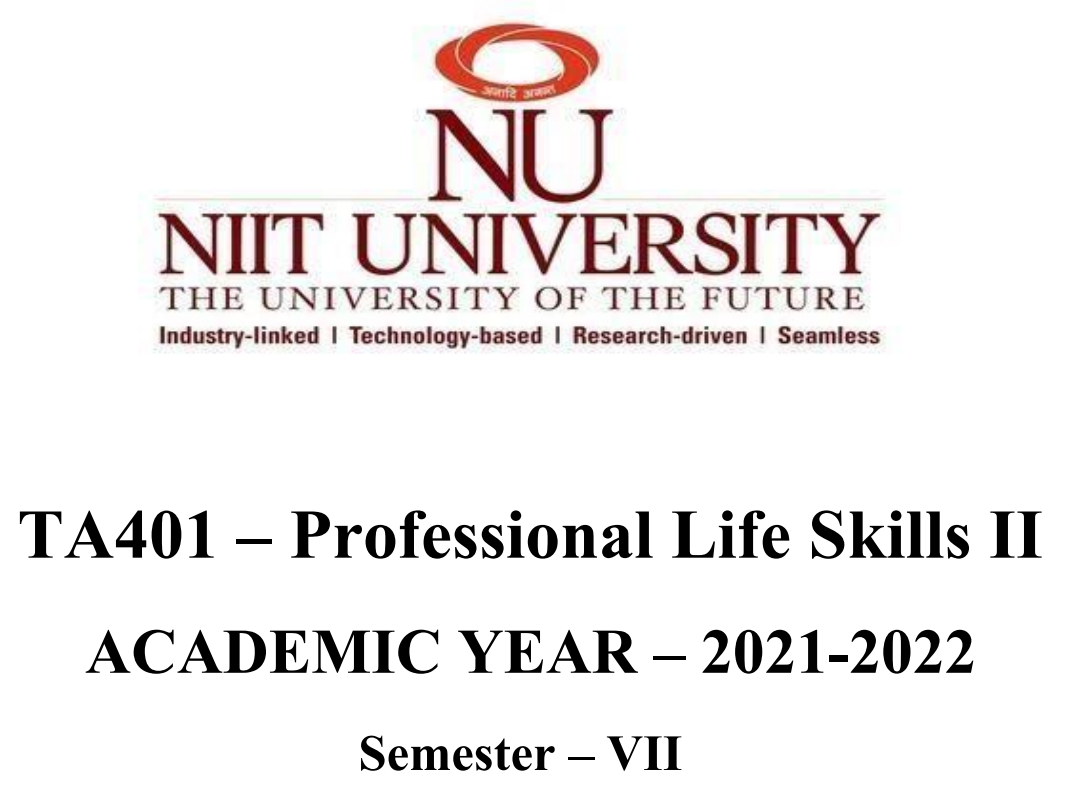
****

**Code: Name Entity Recognition**

import spacy

import pprint

from spacy import displacy

from collections import Counter

import en\_core\_web\_sm

nlp = en\_core\_web\_sm.load()

#text = 'European authorities fined Google a record $5.1 billion on Wednesday for abusing its power in the mobile phone market and ordered the company to alter its practices

#text = "Jack and Jill went up the Barren hill "

text = "George Hill went up the Himalaya Hill to fetch 2 litres of Hyderogen Peroxide from IBM on the 23rd of November."

doc = nlp(text)

for X in doc.ents:

pprint.pprint([(X.text, X.label\_)])

**Analysis:**

The code returns incorrect otput in some cases eg If a name Gearge Hill come it is classified as an ORG , if name is Gearge Hill then it becomes correct as in a person. Also, there exists a conflict between locations and persons. Barren hill is termed as a person but Rushmore Hill is terma as a location. This indicates that there is a pre-existing list og name which include Rushmore Hill but not a Hill named as Barren.

As for dates it gievs correct output in form of a cardinal eg the 23rd of november, the entire phares is a date.

**Output:**

[('Gearge Hill', 'ORG')]

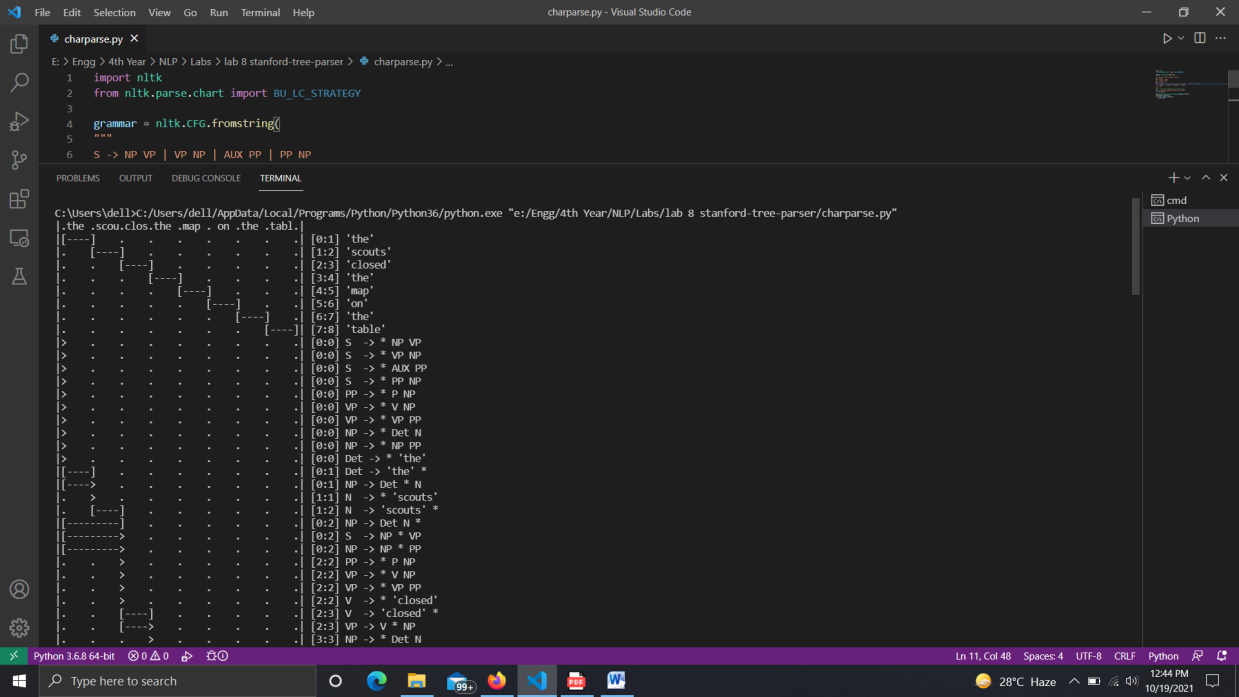
[('the Himalaya Hill', 'LOC')]

[('2', 'CARDINAL')]

[('Hyderogen Peroxide', 'ORG')]

[('IBM', 'ORG')]

[('the 23rd of November', 'DATE')]

****