import nltk

inp=['Click "User management"','Select aspecific user and click "Activate"']

resp=[["Validate the role of user",\

        'If validate failed,return unauthorized action information',\

        'If validate succeed, return user management page'],

     ["Check the status of user",\

        "If the status is activated,return wrong action message",\

        "If the status is inactivated,activate the user and change the status of user in the database"]]

# In inp

# separete (")-> be able to fine main subject

# In Resp

# Verb and Noun are important

# if -> the hint word for status (failed, succeed...)

# 1. System Operator

# 2. Data Object

#    -> wm......

# 3. Condition

# stopword\_list = to get rid of useless words

stopword\_list=[",","is","the"]

for k in range(len(inp)):

    main=inp[k]

    main\_info=main.split('"')[1]

    print('Main : '+ main\_info)

    for i in resp[k]:

        texts = nltk.word\_tokenize(i)

        result=nltk.pos\_tag(texts)

        #print(words)

        if result[0][1]=="VB":

            print("Operation : "+ result[0][0])

            print("Data Object : "+ result[2][0]+"/"+result[4][0])

        if result[0][0]=='If':

            #print(result)

            #print(stopword\_list)

            words\_list=[]

            for w in texts:

                if not w in stopword\_list:

                    words\_list.append(w)

            print("Condition : " + words\_list[1],"/ Condition Info :" + words\_list[2])

            #print()

"""

I used jupyter notebook to run python code.

To install and run jupyter notebook for python.

1. install anaconda or miniconda (python)

[https://www.youtube.com/watch?v=YJC6ldI3hWk](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.youtube.com_watch-3Fv-3DYJC6ldI3hWk&d=DwMFaQ&c=clK7kQUTWtAVEOVIgvi0NU5BOUHhpN0H8p7CSfnc_gI&r=NKaBfWzbXhF5Sptt5zna4A&m=4jw3b52UgRMaEBHcdUDVp8blDf6N5-XcDVOB_fRYWLM&s=FEDHhaYGv_hUze4D9FTbWYif6IIpZxVODIXBPmmOU5o&e=)

[https://www.youtube.com/watch?v=dX2-V2BocqQ](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.youtube.com_watch-3Fv-3DdX2-2DV2BocqQ&d=DwMFaQ&c=clK7kQUTWtAVEOVIgvi0NU5BOUHhpN0H8p7CSfnc_gI&r=NKaBfWzbXhF5Sptt5zna4A&m=4jw3b52UgRMaEBHcdUDVp8blDf6N5-XcDVOB_fRYWLM&s=_Fz1LTTQRU17d6IrHOc1ZdhX9gLfITeCK21iS-g2Rq8&e=)

2. install jupyter nodetook

[https://www.youtube.com/watch?v=o6aOqkmrrb4](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.youtube.com_watch-3Fv-3Do6aOqkmrrb4&d=DwMFaQ&c=clK7kQUTWtAVEOVIgvi0NU5BOUHhpN0H8p7CSfnc_gI&r=NKaBfWzbXhF5Sptt5zna4A&m=4jw3b52UgRMaEBHcdUDVp8blDf6N5-XcDVOB_fRYWLM&s=pNOfBSeItOv5giSFKrw5HA3HAOV0IUUDAcRpmh0p1VE&e=)

3. to run this code we need to install nltk library.

 by using command prompt

(ex ) pip install nltk)

and before doing this we need to know our computer is window type or another type. This is because the order is little different to install nltk.

(

python install toturial

[https://www.youtube.com/watch?v=YYXdXT2l-Gg&list=PL-osiE80TeTt2d9bfVyTiXJA-UTHn6WwU](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.youtube.com_watch-3Fv-3DYYXdXT2l-2DGg-26list-3DPL-2DosiE80TeTt2d9bfVyTiXJA-2DUTHn6WwU&d=DwMFaQ&c=clK7kQUTWtAVEOVIgvi0NU5BOUHhpN0H8p7CSfnc_gI&r=NKaBfWzbXhF5Sptt5zna4A&m=4jw3b52UgRMaEBHcdUDVp8blDf6N5-XcDVOB_fRYWLM&s=SnQ89rAP-b3bD7PQOxdeHRXls6uiXOZmZFEeErHgzVM&e=)

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