Trusted

JupyterLab ☐ **#** Python 3 (ipykernel) ○ **■** 

□ ↑ ↓ 占 무 🗎 [7]: import re import nltk [8]: def custom\_stemmer(word): suffix\_list = [ # Noun "ness", "tion", "sion", "ity", "ty", "ment", "er", "or", "ism", "ist", "age", "ship", "hood", "dom", # Verb "ize", "ise", "en", "ify", "fy", "ate", # Adjective "able", "ible", "ous", "ious", "ful", "less", "ic", "l", "ical", "y", "ish", "ive", # Adverb "ly", "ward", "wards", "wise", # General suffixes "ed", "ing", "s", "es", "est", "er" for suffix in suffix\_list: if word.endswith(suffix): return re.sub(f"{suffix}\$","",word) return word [16]: words = nltk.word\_tokenize('''My Name is Abdullaah and I am a Software Engineer. I like Playing Cricket, This makes me live happily''') [17]: print('words from corpus :',words) words from corpus : ['My', 'Name', 'is', 'Abdullaah', 'and', 'I', 'am', 'a', 'Software', 'Engineer', '.', 'I', 'like', 'Playing', 'Cricket', ',', 'This', 'makes', 'me', 'live', 'happily'] [18]: stem words = [custom stemmer(word.lower()) for word in words] [19]: print('List of stem words:',stem\_words) List of stem words: ['m', 'name', 'i', 'abdullaah', 'and', 'i', 'am', 'a', 'software', 'engine', '.', 'i', 'like', 'play', 'cricket', ',', 'thi', 'make', 'me', 'l', 'happil'] [20]: input\_word = input('Enter the word:') result = custom\_stemmer(input\_word) print('Result :',result) Enter the word: playing Result : play [21]: input\_word = input('Enter the word:') result = custom stemmer(input word) print('Result :',result) Enter the word: movement Result : move [23]: input\_word = input('Enter the word:') result = custom\_stemmer(input\_word) print('Result :',result) Enter the word: happily Result : happil [26]: input\_word = input('Enter the word:') result = custom\_stemmer(input\_word) print('Result :',result) Enter the word: dancing Result : danc