

MAI372– Natural Language Processing
III MSc AIM
19-03-2024

Regular lab Question

Lab Exercise 5:

1. Write a program to get Antonyms from WordNet.
2. Write a program for stemming non-English words.
3. Write a program for lemmatizing words Using WordNet (Use all type of stemmers for the comparison).
4. Write a program to differentiate stemming and lemmatizing words.
5. Write a program for PoS Tagging and also execute any of the tool that given in class.
6. Write a program to identify the Named Entity Recognition and also execute any of the tool that given in class.
7. Implement the Dependency Parsing and Constituency Parsing using the tool.

[Note: For Question 1-4 use minimum 5 words for the analysis and comparative purpose.

For question 5, 6 and 7 implement the corpus (write 3 sentences about you) with any tool, visualized content, crop the results and paste in the colab file as results.]

Program Evaluation Rubrics

C1-Timely Submission---2 marks,

C2-Correctness & Clarity---4 marks,

C3-Complexity & Validation---2 marks,

C4-Viva Voice-----2 marks

General Instructions

- The file you have to save with your name, last 3 digits of register number and program number "Aaron_201_Lab1".
- The implemented code you have to download and upload in the Google Class room in the given scheduled time.