

MAI372– Natural Language Processing
III MSc AIM
01-03-2024

Regular lab Question

Lab Exercise 4:

1. Write a program to get synonyms from WordNet. (5 words minimum for all the sub questions, for instance: - bear, set, square, lead, criteria)
 - a) Find the 3rd meaning of the word in the list.
 - b) Extract the nouns of the word from the synonyms list.
 - c) Extract the verbs of the word from the synonyms list.
 - d) Extract the adjectives of the word from the synonyms list.
 - e) Extract the adverbs of the word from the synonyms list.
 - f) Extract the definition of the word. (For instance, 'Bear' - massive plantigrade carnivorous or omnivorous mammals with long shaggy coats and strong claws)
 - g) Find the hypernyms of each word.
 - h) Find the hyponyms of each word.
 - i) Find the similarities of any two hyponyms of a word.

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.