Natural Language Processing
AIGC 5501
Assignment 02

Start by creating a Python notebook named <FirstName_LastName.ipynb> (e.g., Hossein_Pourmodheji.ipynb). Organize the notebook into clear sections for better readability according to the following exercise.

Exercise 1: POS (Part-of-Speech) Tagging with Hidden Markov Model

Exercise 2:

a) Find a new text dataset
b) Convert it into csv format
c) Redo the same exercise

Exercise 3: Markov Chains in Python with Model Examples

Deliverables:

When you're done, save the notebook with all your code, plots, and comments. Export the notebook to a PDF format. Submit both the .ipynb file and the PDF for evaluation. Make sure your work is well-organized and readable.