Analyzing Word Frequency in Martin Luther King Jr.'s Speech

Project Statement

This project involves analyzing the frequency of words in Martin Luther King Jr.'s speech obtained from a webpage. By cleaning and processing the text, the most common words and their counts are identified and exported to a CSV file for further analysis.

Project Description

The objective of this project is to scrape the text of **Martin Luther King Jr.'s speech** from a given URL using Python. The project involves the following steps:

1. **Web Scraping:** Extracting the speech content from the webpage using the **BeautifulSoup** library.

2. **Text Processing:** Cleaning the text by removing punctuation, converting it to lowercase, and breaking it into individual words.

3. **Word Frequency Analysis:** Counting the occurrences of each word in the cleaned text.

4. **Data Export:** Saving the word frequency data to a **CSV file** for further exploration and analysis.