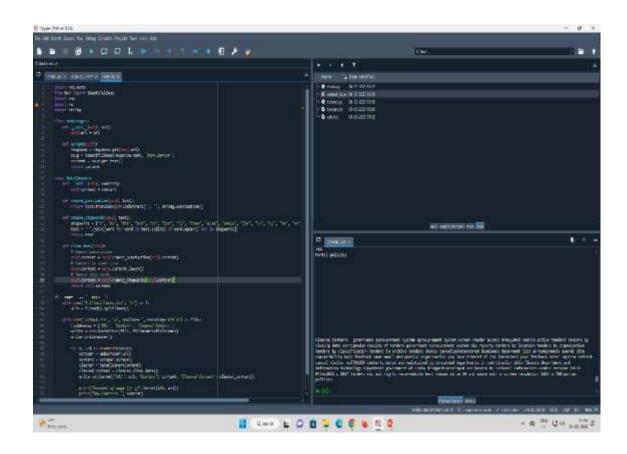
Name: Nevedha VR

I took which you mention in the data set of document "For keyword extract in Website"

"https://ieg.worldbankgroup.org/data"

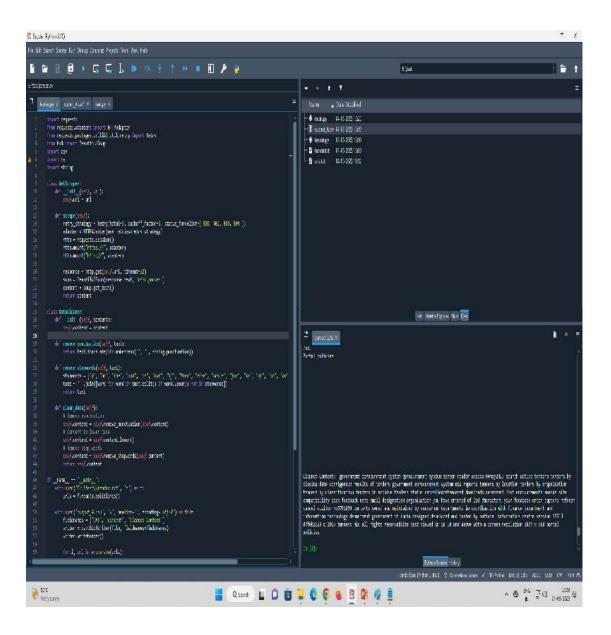
"https://ieg.worldbankgroup.org/data"

Web scrapping from Website



Explanation of code

- This Python code is a web scraper and data cleaner that takes a list of URLs ""https://ieg.worldbankgroup.org/data"
- ➤ from a text file and extracts the text content from each URL's HTML page using the requests and BeautifulSoup libraries. The extracted content is then cleaned by removing punctuation, converting to lowercase, and removing stop words using the string library. The cleaned content is written to a CSV file with three columns: URL, Content (raw extracted text), and Cleaned Content. Finally, the code prints the raw and cleaned content for each URL to the console.



Explanation of code

This is a Python script for web scraping and data cleaning. It uses the requests library to make HTTP requests to URLs, https://ieg.worldbankgroup.org/data the BeautifulSoup library to parse the HTML content of the web pages, and the csv library to write the scraped data to a CSV file.

The script defines a WebScraper class that takes a URL and uses the requests library to make an HTTP GET request to the URL. It then uses BeautifulSoup to extract the text content of the HTML response.

The DataCleaner class is defined to clean the text content extracted by the WebScraper. It provides two methods to remove punctuation and stop words from the text.

In the main function, the script reads a list of URLs from a text file, iterates through the URLs, and scrapes the content of each web page. If an exception occurs while processing a page, the script catches the exception and continues to the next page. The scraped data is then written to a CSV file.

The script includes a retry mechanism using the requests library to retry failed requests up to three times in case of certain HTTP status codes. It also includes a timeout of 10 seconds for the HTTP requests to prevent the script from hanging if a page takes too long to respond.

