**Instructions**

1. **Approach to the Solution:**

* I began by understanding the requirements outlined in the assignment document, including data extraction, text analysis, and output generation.
* I broke down the tasks into smaller components, such as extracting text from URLs, performing Text analysis, calculating readability metrics, and generating the desired output structure.
* I utilized Python programming language along with libraries such as pandas, requests, BeautifulSoup, Natural Language Toolkit, and Textstat to implement the solution.
* I followed best practices in coding, including error handling, and documentation to ensure code readability and maintainability.

1. **How to Run the .py File to Generate Output:**

Open Command Prompt or Terminal.

Navigate to the directory where the Python script (filename.py) is located using the cd command.

Run the Python script using the following command:

**python filename.py**

Replace "filename.py" with the name of your Python script.

Wait for the script to finish execution. It will generate an output file (e.g., output.xlsx) in the same directory upon completion.

Open the generated output file using appropriate software (such as Microsoft Excel) to review the results.

1. **Dependencies Required:**

**pandas:** Used for data manipulation and analysis.

**requests:** Used for making HTTP requests to fetch data from URLs.

**BeautifulSoup:** Used for parsing HTML content fetched from web pages.

**Natural Language Toolkit**: Used for natural language processing tasks such as tokenization.

**Textstat:** Used for calculating readability metrics.

Ensure all dependencies are installed using pip before running the Python script. You can install them using the following commands:

**pip install pandas requests beautifulsoup4 nltk textstat**

Replace the package names with any additional dependencies required for your script.

These instructions provide a comprehensive guide on how to approach, run, and ensure the necessary dependencies for the Python script provided.