**Instructions as per the assignments**

**Install required packages and libraries**

pip install openpyxl

pip install --upgrade pandas

pip install textblob

import pandas as pd

import os

import requests

from bs4 import BeautifulSoup

import nltk

from textblob import TextBlob

from nltk.corpus import stopwords

from syllables import estimate

**Read and Extract articled :**

* BY providing the file path which is containing URLs of web articles we read the file .
* I used loop through loop we iterated the row in the CSV and extract article content using web scraping .
* I saved the extracted content as the text file and named them as ‘extracted\_articles’ .

**Performed Textual Analysis :**

* I created the DataFrame to store the Analysis result .
* I used loop and iterated the extracted articles .
* And for each extracted articled we performed analysis .

For sentiment analysis I used TextBlob .

* I performed tokenization and various metrics calculation(average sentence length , percentage of complex words , FOG Index , etc .) .
* Counting personal pronouns and calculated average word length .
* Calculated syllables per word using the **syllables** module .

**Saved Analysis result :**

* Saved the analysis result in the DataFrame with appropriate column names .
* Exported the Dataframe into the excel file named Text\_analysis\_result.xlsx