1. Instructions
2. Prerequisites:

Must have a folder MasterDictionary -> With Negative-words/Positive-words.

StopWords –> All files of stopwords

Input.xlsx file

1. Initially, the BeautifulSoup library was utilized to extract all articles from the URLs provided in the Input.xlxs file. The extracted articles were subsequently saved as text files within a newly created directory named articles. This process was accomplished using the get\_article() function.

get\_article()

1. Subsequently, all variables were computed based on the files saved in the articles directory. The calculated variables were stored in the variable\_data list for future uploading to an Excel file. This computation was performed using the get\_variables()

function.

1. Finally, the variables from all files were uploaded to the output.xlxs file using the upload\_to\_excel() function.

2. To run the code Just open the assignment.py fi le and then run the file.

(The code takes time to run as it has to extract data from internet)

1. Dependencies:

Dependencies are included in “requirements.txt”

import requests

from bs4 import BeautifulSoup

import pandas as pd

import os

import nltk

from nltk.tokenize import word\_tokenize,sent\_tokenize

from nltk.corpus import cmudict

import openpyxl