Description

In this question, you are required to use Google's Geocode API to find coordinates of S&P 1500's addresses, and compute each firms' distances with the White House (38.8976763, 77.0387185).

Recommended Packages

googlemap

vincenty

Useful Links:

<https://developers.google.com/maps/documentation/geocoding/start>

https://github.com/googlemaps/google-maps-services-python

<https://pypi.python.org/pypi/vincenty/0.1.4>

Input

coname\_addresses.xlsx

Output

output.xlsx

Sample Input

CONAME address

AAR CORP address

Sample Output

CONAME address lat lng distance

AAR CORP address 41.9872218 -87.9812063 10919.769252