

Scraping using Geocoding API of Open Street Map

Video Link: <https://www.youtube.com/watch?v=f0PZ-pphAXE>

Notebook:

https://colab.research.google.com/drive/1cKOxglTK8aGoWMZfd2y5PoHo2DRXHF_z

Library used: geopy.geocoders

Function used: Nominatim

Some details about the syntax:

user_agent: An http request header that is sent with each request
(default user_agent= 'geopy/2.2.0'_)

To geolocate a query to an address and coordinates:

```
from geopy.geocoders import Nominatim
geolocator = Nominatim(user_agent="custom_user_agent")
location = geolocator.geocode("place")
print(location.address) : gives full address of the given
location
print(location.latitude, location.longitude): gives
lat & long data of the given location
print(location.raw) : outputs json
```

To find the address corresponding to a set of coordinates:

```
from geopy.geocoders import Nominatim
geolocator =
Nominatim(user_agent="specify_your_app_name_here")
location = geolocator.reverse("52.509669, 13.376294")
print(location.address)
```