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In [81]: import geopy
import folium
import pandas as pd
from geopy import Nominatim

nom=Nominatim(user_agent="map.ipynb")

#m = folium.Map(location=[-1.2832533, 36.8172449])
nairobi=nom.geocode("00200,Nairobi")
```

```
In [82]: def mapScript():
    #get the user input and produce the output
    userInput=input('Enter a zip code,City')
    jojo=nom.geocode(userInput)
    print(jojo)
```

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In [86]: mapScript()

Eldoret, Uasin Gishu, Kenya
```

```
In [127]: count=0
with open("/home/lewis/Documents/maps.txt","r+") as file:
    with open("/home/lewis/Documents/newmaps.txt","a+") as newfile:
        data=file.readlines()

        #get the geolocation
        #write the geolocation to file
        for item in data:
            jojo=nom.geocode(item)
            #print(jojo,"\n")
            count+=1
            newfile.write(str(count)+": " + str(jojo) + '\n')
            df2=pd.DataFrame(jojo)

with open("/home/lewis/Documents/newmaps.txt","r+") as newfile:
    data2=newfile.readlines()
    for item in data2:
        print(item)
```

```
1:Eldoret, Uasin Gishu, Kenya
2:Embakasi, Central Business District, Nairobi, Kenya
3:Garissa, Northeast Kenya, Kenya
4:Kakamega, West Kenya, Kenya
5:Kisumu, Nyanza, 40100, Kenya
6:Lamu, Coastal Kenya, Kenya
7:Vihiga, West Kenya, Kenya
8:Mombasa, Coastal Kenya, Kenya
9:Nairobi, Kenya
10:Nakuru, 20100, Kenya
11:Nyeri, Central Kenya, Kenya
12:Juja, Kiambu, Central Kenya, Kenya
```

```
In [131]: df2=pd.read_csv('/home/lewis/Documents/newmaps.txt')
```

In [134]: df2

Out[134]:

	1:Eldoret	Uasin Gishu	Kenya
2:Embakasi	Central Business District	Nairobi	Kenya
3:Garissa	Northeast Kenya	Kenya	NaN
4:Kakamega	West Kenya	Kenya	NaN
5:Kisumu	Nyanza	40100	Kenya
6:Lamu	Coastal Kenya	Kenya	NaN
7:Vihiga	West Kenya	Kenya	NaN
8:Mombasa	Coastal Kenya	Kenya	NaN
9:Nairobi	Kenya	NaN	NaN
10:Nakuru	20100	Kenya	NaN
11:Nyeri	Central Kenya	Kenya	NaN
12:Juja	Kiambu	Central Kenya	Kenya

In []: