```
In [1]: import numpy as np # linear algebra
               import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)
In [3]: !pip install folium
               Collecting folium
                  Downloading folium-0.14.0-py2.py3-none-any.whl (102 kB)
                            ------ 102.3/102.3 kB 28.7 kB/s eta 0:00:00
               Collecting branca>=0.6.0
                   Downloading branca-0.6.0-py3-none-any.whl (24 kB)
                Requirement already satisfied: jinja2>=2.9 in c:\users\user\appdata\local\programs\python\python311\lib\site-packages (from fol
               ium) (3.1.2)
               Requirement already satisfied: numpy in c:\users\user\appdata\local\programs\python\11\lib\site-packages (from folium)
               (1.23.4)
               Collecting requests
                   Downloading requests-2.28.2-py3-none-any.whl (62 kB)
                         ----- 62.8/62.8 kB 55.2 kB/s eta 0:00:00
               Requirement already satisfied: MarkupSafe>= 2.0 in c: \users \user \arbitant \arbita
               jinja2>=2.9->folium) (2.1.1)
               Collecting charset-normalizer<4,>=2
                   Downloading charset_normalizer-3.0.1-cp311-cp311-win_amd64.whl (96 kB)
                         ----- 96.0/96.0 kB 18.2 kB/s eta 0:00:00
               Requirement already satisfied: idna<4,>=2.5 in c:\users\user\appdata\local\programs\python\python311\lib\site-packages (from re
               quests->folium) (3.4)
               Collecting urllib3<1.27,>=1.21.1
                   Downloading urllib3-1.26.14-py2.py3-none-any.whl (140 kB)
                                                                             ----- 140.6/140.6 kB 13.5 kB/s eta 0:00:00
               Collecting certifi>=2017.4.17
                   Downloading certifi-2022.12.7-py3-none-any.whl (155 kB)
                                                                             ----- 155.3/155.3 kB 15.9 kB/s eta 0:00:00
               Installing collected packages: charset-normalizer, urllib3, certifi, requests, branca, folium
               Successfully installed branca-0.6.0 certifi-2022.12.7 charset-normalizer-3.0.1 folium-0.14.0 requests-2.28.2 urllib3-1.26.14
In [4]: import folium
In [5]: divisions = pd.read_csv('divisions.csv')
               districts = pd.read_csv('districts.csv')
               upazilas = pd.read_csv('upazilas.csv')
In [7]: divisions.head(1)
Out[7]:
                     id
                                   name bn name
                                                                        lat
                                                                                      long
                                                                                                                              url
                 0 1 Chattagram
                                                 চট্টগ্রাম 22.356851 91.783182 www.chittagongdiv.gov.bd
```

```
In [8]: m = folium.Map(
                location=[np.mean(divisions['lat']),np.mean(divisions['long'])],
                zoom_start=7
           for index,rows in divisions.iterrows():
                if rows['lat'] and rows['long']:
    folium.Marker([rows['lat'], rows['long']], popup=rows['url']).add_to(m)
           folium.LayerControl().add_to(m)
           m.save('divisions.html')
                                            धरान
Out[8]:
                                                    दमक
                                                              Siliguri
                                                                                              Bongaigaon
                                                                                                                                  Nagaon
                                                                             Koch Bihar
                                                                                                       Barpeta
                        Darbhanga
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                                                                                                    Assam
                          Bihar
                                               Purnia
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                                                                                                          Meghalaya
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                                                                                                                                  Aizawi
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           irkhand
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                          Bokaro
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                                                                          ঝিনাইদহ
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                                                                                                          কুমিল্লা
                                                             Krishnanagai
            Ranchi
                                                                                          মাদারীপুর
                                                   Bardhaman
                                                   Hugli-Chuchura Habra
                        Jamshedpur
                                                             Kolkata
                                                                                      পিরোজপুর
                                           Kharagpur
                                                         Uluberia o Baruipur
                                                         Haldia
                               Bhadrak
                                                                         Leaflet (https://leafletjs.com) | Data by @ OpenStreetMap (http://openstreetmap.org), under ODbL (http://www.openstreetmap.org/copyright).
```

```
In [9]: m = folium.Map(
                location=[np.mean(districts['lat']),np.mean(districts['lon'])],
                zoom_start=7
           for index,rows in districts.iterrows():
               if rows['lat'] and rows['lon']:
   folium.Marker([rows['lat'], rows['lon']], popup=rows['url']).add_to(m)
           folium.LayerControl().add_to(m)
           m.save('districts.html')
Out[9]:
           Moti<del>bla</del>r
                                                        दमक
                                                                                   Alipurduar
v.kurigram.gov.bd
                                                 बिराटनगर
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                             Darbhanga
                                                                                                                     Guwahati
                                                                                                       Assam
                               Bihar Saharsa
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                                                                                                                        Shillong
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                                                             Haldia
                                    Bhadrak
                                                                       Leaflet (https://leafletjs.com) | Data by © OpenStreetMap (http://openstreetmap.org), under ODbL (http://www.openstreetmap.org/copyright).
```

হরিরামপুর

Teliamura

Tripura

Agartala

In []: