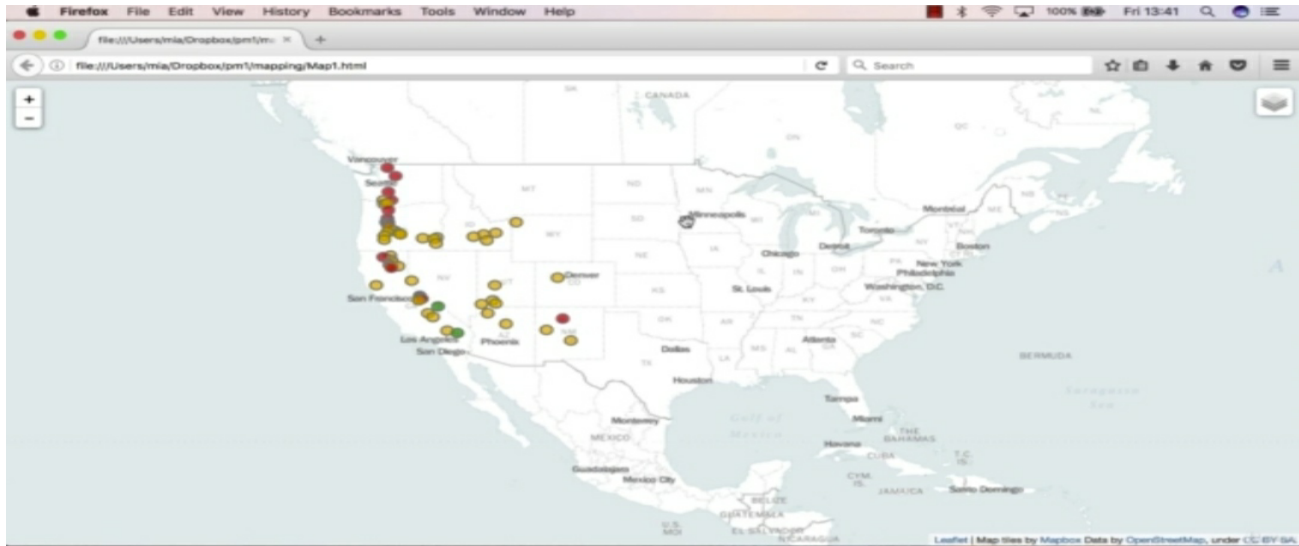


DAILY ASSESSMENT FORMAT

Date:	23/05/2020	Name:	Abhishek
Course:	The Python Mega Course: Build 10 Real World Applications	USN:	4al17ec001
Topic:	1] Application 2: Create Webmaps with Python and Folium	Semester & Section:	6 th 'A'
Github Repository:	Abhishek-online-courses		

FORENOON SESSION DETAILS

Image of session



Lectures

More



123

Convert Images to Numpy Arrays



Video - 05:40 mins - Resources (1)



124

Indexing, Slicing, and Iterating Nump...



Video - 04:07 mins



125

Stacking and Splitting Numpy Arrays



Video - 05:44 mins



Section 17 - Application 2: Create Webmaps with Pytho...



126

Web Map - How The Output Will Loo...



Video - 01:05 mins - Resources (1)



```
map1.py
1 import folium
2 map = folium.Map(location=[38.58, -99.09], zoom_start=6, tiles="Mapbox Bright")
3
4 fg = folium.FeatureGroup(name="My Map")
5
6 for coordinates in [[38.2, -99.1], [39.2, -97.1]]:
7     fg.add_child(folium.Marker(location=coordinates, popup="Hi I am a Marker", icon=folium.Icon(color='green')))
8
9 map.add_child(fg)
10
11 map.save("Map1.html")
12
```

```
46 -119.021004
47 -118.871002
48 -119.051002
49 -117.450996
50 -112.670998
51 -113.621002
52 -112.401001
53 -118.320999
54 -117.820999
55 -113.130997
56 -116.621002
57 -106.570999
58 -111.501000
59 -115.780998
60 -108.001000
61 -105.931000

[62 rows x 10 columns]
>>> type(data)
<class 'pandas.core.frame.DataFrame'>
>>>
```

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Topic:	1] Application 2: Create Webmaps with Python and Folium	Semester & Section:	6 th 'A'

AFTERNOON SESSION DETAILS

Report

Application 2: Create Webmaps with Python and Folium.

- In folium library create base map using Map() function.
- To display the map, initial coordinates of the place you want to display should be passed to the location argument in Map () function and should be saved in html file format.
- 'Stamen Terrain' is used because it gives a good base map.
- Marker () function is used to point the specific location to be displayed in the base map.
- For loop is used to point out multiple locations in the base map.
- If you want to have stylized text (bold, different fonts, etc.) in the popup window HTML is used.
- JSON file containing population details of all countries in the world is read using Geojson () function under folium library.
- Geojson polygon layer is used to represent area of the country.
- Layer control () function under folium library is used to control display of different layers on the base map.