

Python Report Day-5

Application 2 :- Create webmaps with python & folium.

- Webmap is a map that is displayed by the browser and can be visited by the web.

- The base map

We need to use library called folium.

To Install folium type - pip Install folium

```
>>> map = folium.map(location = [50, -100])
```

```
>>> map
```

```
>>> map.save("map1.html")
```

- Titles = "mapbox bright".

Titles = "stamen Toner".

Both types of Base maps, but mapbox bright doesn't work example. stamen toner works great.

- Adding point:-

```
import folium
```

```
map = folium.map(location = [38.58, 99.09], zoom_start = 12,
file = "mapbox Bright")
```

```
fig = folium.feature_group(name = "my Map")
```

```
fig.add_child(folium.Marker(location = [38.2, 99.1],
popup = "Hi I am a marker", icon = folium.Icon(
color = "green"))
```

```
Map.add_child(fig)
```

```
map.save("Map1.html")
```

- Adding Multiple point

```
for co-ordinates in [[38.2, -99.1], [39.2, -97.1]]:
```

* We can use HTML in the popup window.
* colour point's

```
def colour - producer (elevation)
    if elevation < 1000
        return 'green'
    elif 1000 <= elevation < 3000:
        return 'orange'
    else:
        return 'red'
```

* Add & style points:-

* We can use `dx (folium)` to look for possible
Methods of creating Circle Markers.
Learn about population map.