

Date:- 22 May 20

Course:- python

Topic:- Create web maps with
python and folium

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Sem & :- 6th sem

Sec B Section.

* Python and folium

→ Install folium
Pip install Jinja2
Python } Terminal.

* Create basic webmap.

```
map = folium.map / dir (folium) => import folium  
map = folium.map / location = [80, -100] => help (folium-map)  
map.save ("map1.html") => map.
```

* Adding points and Adding multiple points with examples.

* Adding points from files.

```
import folium
```

```
import pandas
```

```
data = pandas.read_csv ("volcanoes.txt")
```

```
lat = list (data ["LAT"])
```

```
lon = list (data ["lon"])
```

```
map = folium.map (location = [38.58, -99.09], zoom, start=6,  
files = "map box Bright").
```

```
fg = folium.feature_group (name = "my map")
```

```
for lt, ln in zip (lat, lon):
```

```
fg.add_child (folium.marker (location = [lt, ln],
```

```
popup = "Hi I am a marker", icon = folium.icon.
```

* Pop windows on map.

```
ser = list (data ["FV FV"])
```

* Color points:-

```
import folium
```

```
import pandas
```

```
data = pandas.read_csv("volcanoes.txt")
```

```
lat = list(data["LAT"])
```

```
lon = list(data["Lon"])
```

```
elev = list(data["ELEV"])
```

~~def~~

```
def color_producer(elevation):
```

```
if elevation < 1000:
```

```
    return 'green'
```

```
elif 1000 <= elevation < 3000:
```

```
    return 'orange'
```

```
else:
```

```
    return 'red'
```

```
map = folium.Map(location = [38.58, -99.09], zoom_start = 6, tiles = "mapbox Bright")
```

```
Pg = folium.FeatureGroup(name = "My map").
```

Write python code to verify user - name = 'Michael' and password = "e3\$wt89x". The total no. of attempts are 03. For every wrong user - name and password print - Invalid user name or password, upon three attempts fails print - Account locked. If inputs are correct print - You have successfully login.

Soln:-

```

user_name = input("Enter user name:")
password = input("Enter password:")
for i in range(3):
    if user_name == 'Michael' and password == 'e3$wt89x':
        print("You have

```

```

def login(user_name):

```

```

    print('enter user name')

```

```

def login(password):

```

```

    print('enter correct password'):

```

```

    count = 0

```

```

    while count < 3

```

```

        user_name = input('enter user name:')

```

```

        if user_name == 'Michael':

```

```

            password = input('enter password:')

```

```

            if password == "e3$wt89x"

```

```

                count = 5

```

```

            elif password != 1

```

```

            print("in correct")

```

count += 1

else

print("you tried too many times, locked")

count >= 3.