**DAILY ASSESSMENT FORMAT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **22/5/2020** | | **Name:** | **Abhishek Vasudev Mahendrakar** | | |
| **Course:** | **TCS ION** | | **USN:** | **4AL17EC003** | | |
| **Topic:** | 1. **Understand Artificial Intelligence (AI) - Part 1** 2. **Understand Artificial Intelligence (AI) - Part 2** 3. **Final Assessment** | | **Semester & Section:** | **6th-‘A’** | | |
| **Github Repository:** | **ECEAbhishekVMahendrakar** | | **E-mail:** | **abhi2244mahendrakar@gmail.com** | | |
| **FORENOON SESSION DETAILS** | | | | | |
| **Image of session** | | | | | |
| **Report – Report can be typed or hand written for up to two pages.**  **C:\Users\HP\Pictures\Screenshots\Screenshot (104).png** | | | | | |
| **Date:** | **22/5/2020** | **Name:** | | | **Abhishek Vasudev Mahendrakar** |
| **Course:** | **UDEMY-The Python Mega Course: Build 10 real world applications** | **USN:** | | | **4AL17EC003** |
| **Topic:** | **Application 2: Create Web-maps with Python and Folium** | **Semester & Section:** | | | **6th-‘A’** |
| **AFTERNOON SESSION DETAILS** | | | | | |
| **Image of session** | | | | | |
| **Report – Report can be typed or hand written for up to two pages.**  **Code:**  import folium  import pandas  data = pandas.read\_csv("Volcanoes.txt")  lat = list(data["LAT"])  lon = list(data["LON"])  elev = list(data["ELEV"])  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")  fgv = folium.FeatureGroup(name="Volcanoes")  for lt, ln, el in zip(lat, lon, elev):  fgv.add\_child(folium.CircleMarker(location=[lt, ln], radius = 6, popup=str(el)+" m",  fill\_color=color\_producer(el), fill=True, color = 'grey', fill\_opacity=0.7))  fgp = folium.FeatureGroup(name="Population")  fgp.add\_child(folium.GeoJson(data=open('world.json', 'r', encoding='utf-8-sig').read(),  style\_function=lambda x: {'fillColor':'green' if x['properties']['POP2005'] < 10000000  else 'orange' if 10000000 <= x['properties']['POP2005'] < 20000000 else 'red'}))  map.add\_child(fgv)  map.add\_child(fgp)  map.add\_child(folium.LayerControl())  map.save("Map1.html") | | | | | |