Develop the Python Script

(Develop a Python Script)

Team ID	PNT2022TMID29941
Project Name	Industry Specific Intelligent Fire Management System

Industry Specific Intelligent Fire Management System

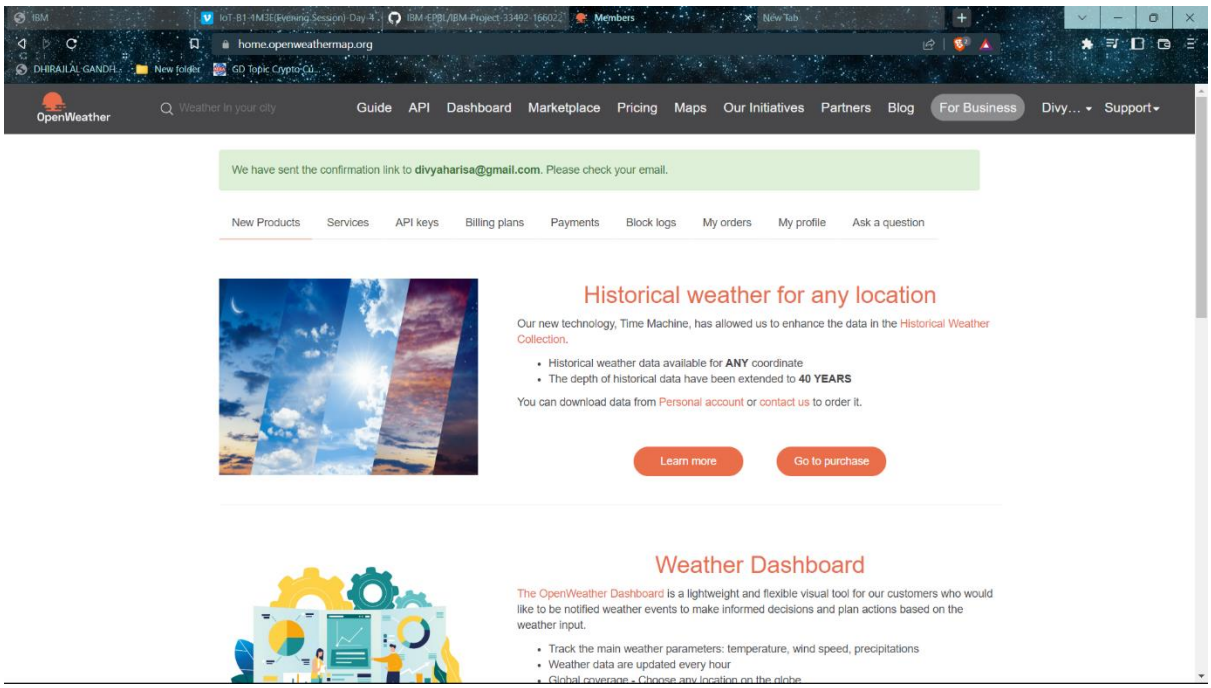
Create a code snippet using python to:

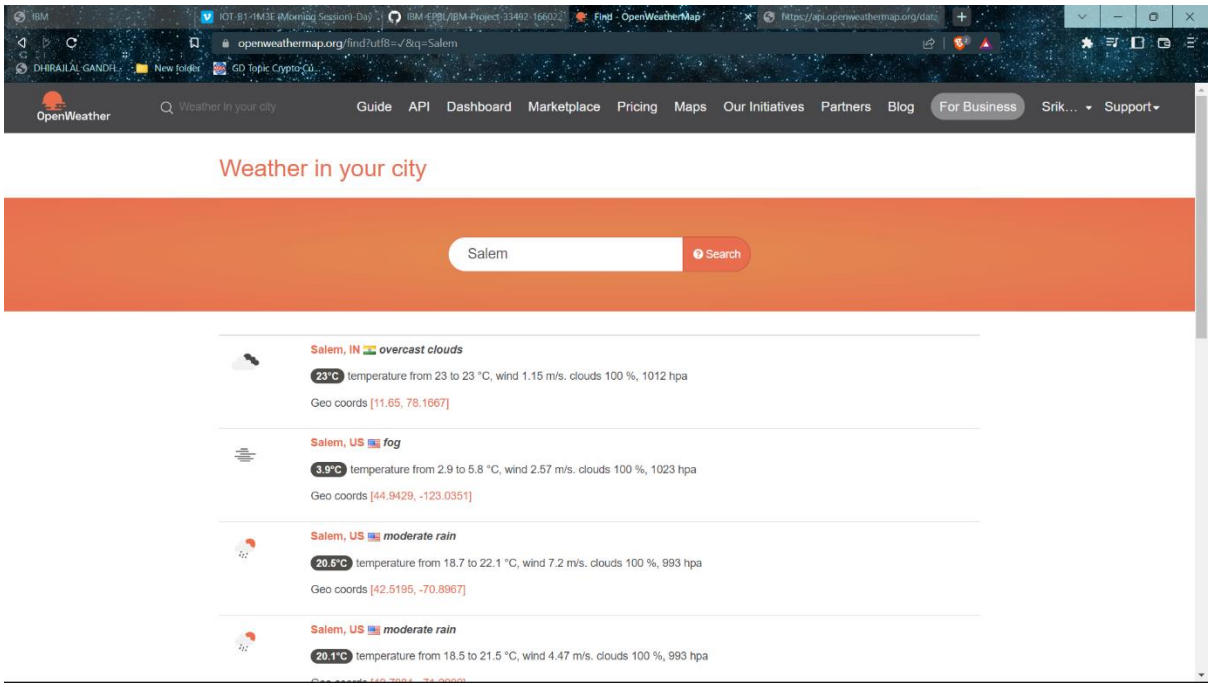
1. Extract weather data from OpenWeatherMap using APIs

2. Send the extracted data to the cloud

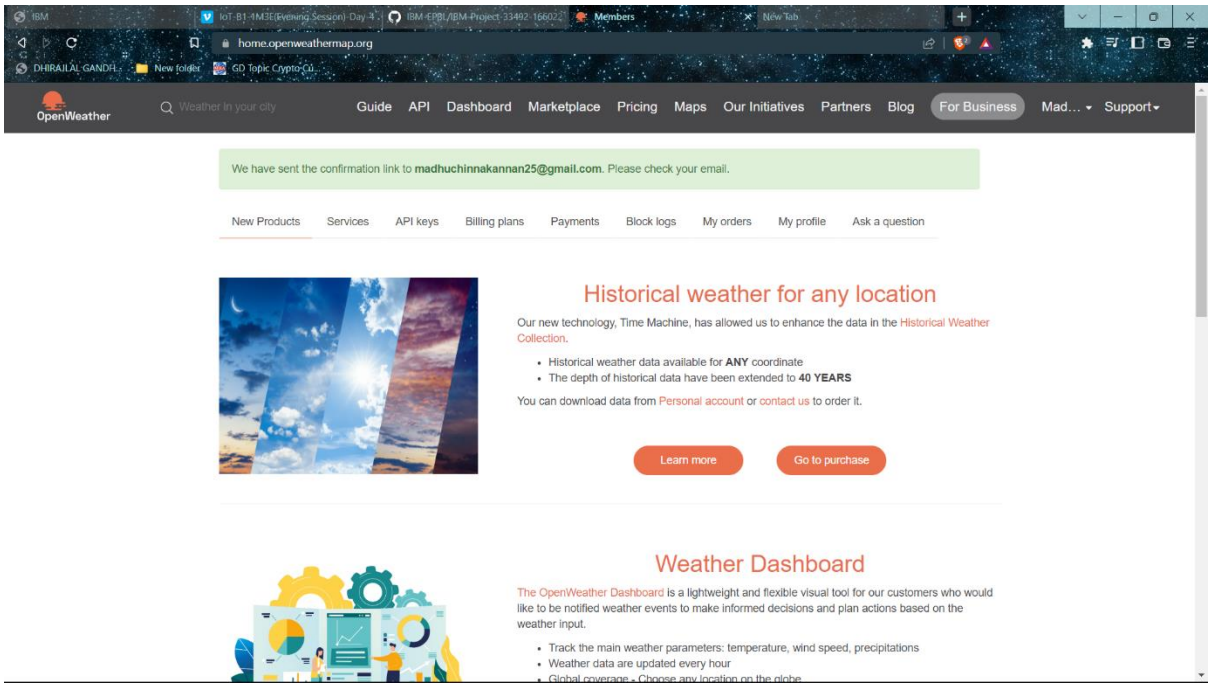
3. Receive data from the cloud and view it in the python compiler

DIVYA.S

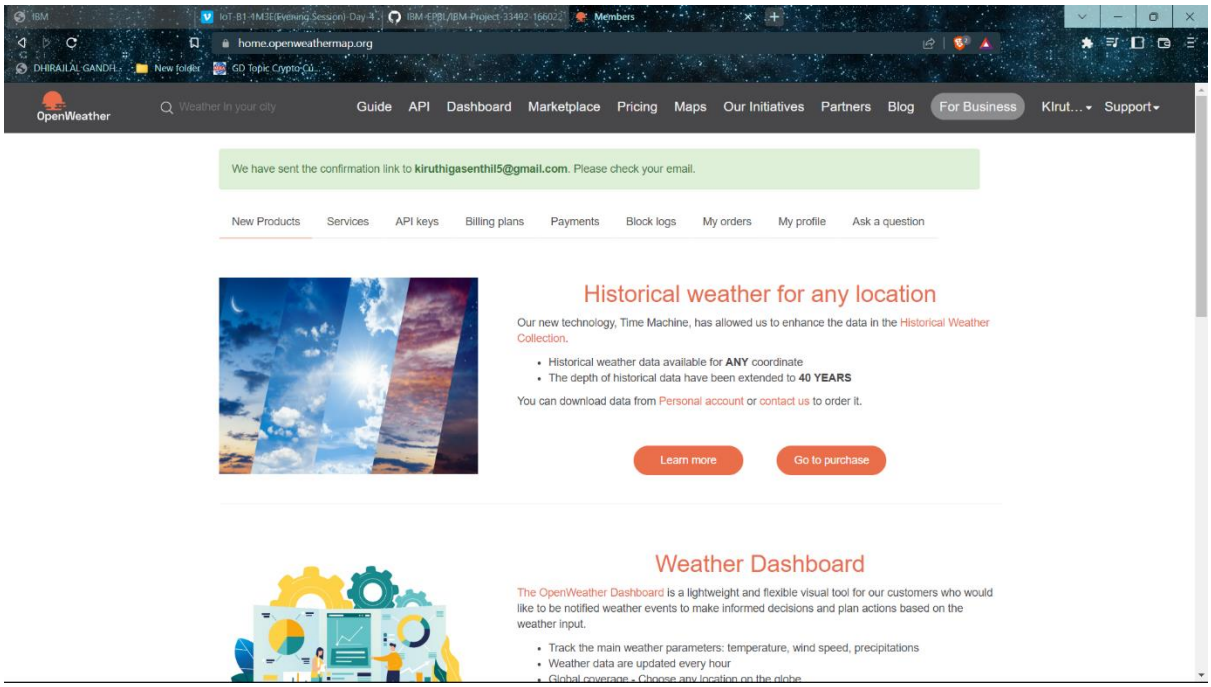




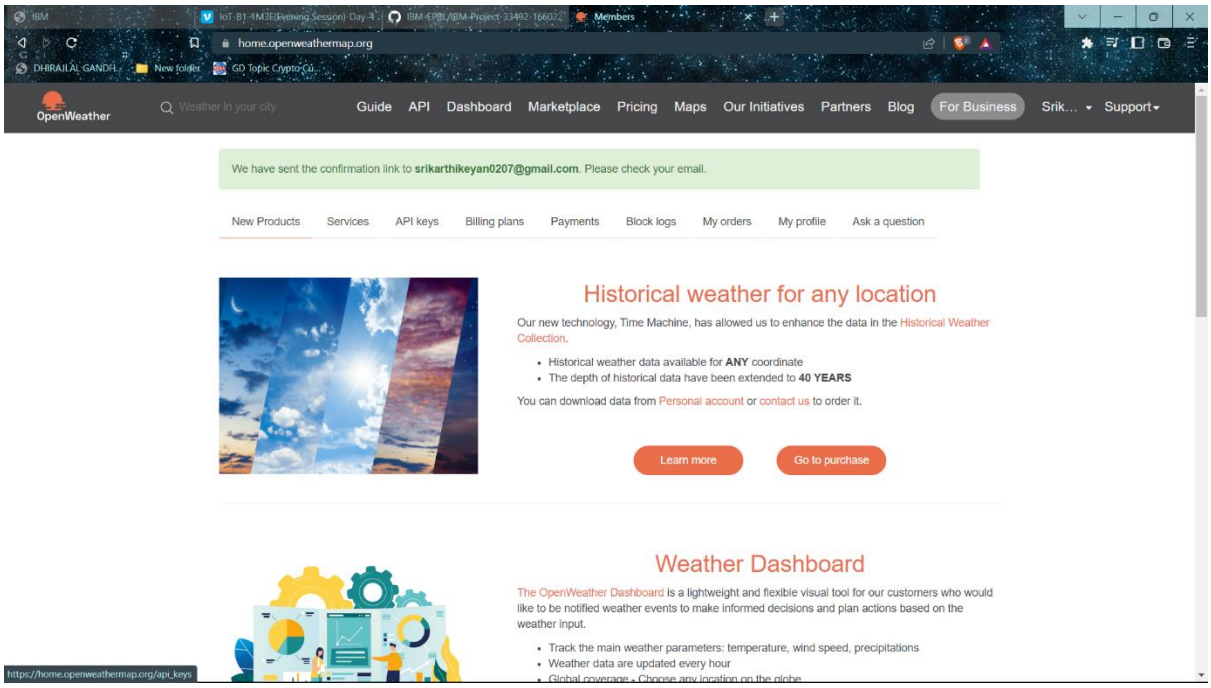
MADHUMITHA.C



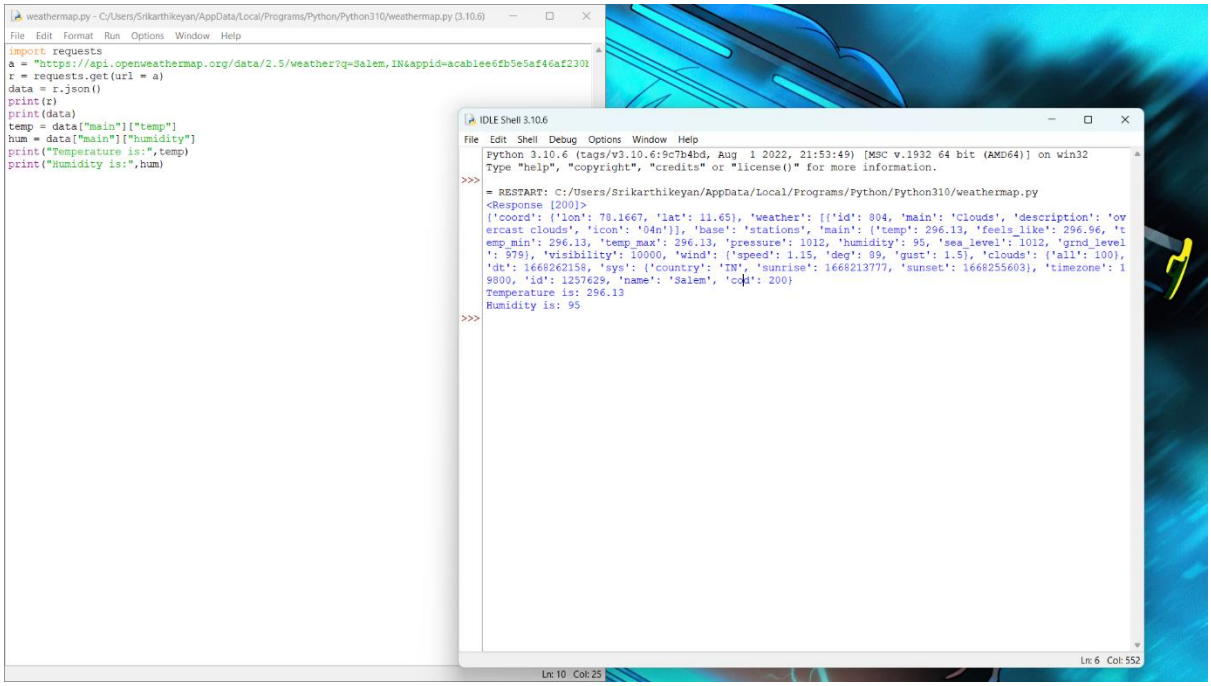
KIRUTHIKA.S



SRIKARTHIKEYAN.S



OUTPUT:


weathermap.py - C:/Users/Srikarthikeyan/AppData/Local/Programs/Python/Python310/weathermap.py (3.10.6)
File Edit Format Run Options Window Help
import requests
a = "https://api.openweathermap.org/data/2.5/weather?q=Salem,IN&appid=acablee6fb5e5af46af230
r = requests.get(url = a)
data = r.json()
print(r)
print(data)
temp = data["main"]["temp"]
hum = data["main"]["humidity"]
print("Temperature is:",temp)
print("Humidity is:",hum)
Ln: 10 Col: 25
IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Srikarthikeyan/AppData/Local/Programs/Python/Python310/weathermap.py
<Response [200]>
{'coord': {'lon': 78.1667, 'lat': 11.65}, 'weather': [{'id': 804, 'main': 'Clouds', 'description': 'ov
ercast clouds', 'icon': '04n'}], 'base': 'stations', 'main': {'temp': 296.13, 'feels_like': 296.96, 't
emp_min': 296.13, 'temp_max': 296.13, 'pressure': 1012, 'humidity': 95, 'sea_level': 1012, 'grnd_level
': 979}, 'visibility': 10000, 'wind': {'speed': 1.15, 'deg': 89, 'gust': 1.5}, 'clouds': {'all': 100},
'dt': 1668262158, 'sys': {'country': 'IN', 'sunrise': 1668213777, 'sunset': 1668255603}, 'timezone': 1
9800, 'id': 1257629, 'name': 'Salem', 'cod': 200}
Temperature is: 296.13
Humidity is: 95
>>>
Ln: 6 Col: 552