Develop the Python Script

(Develop a Python script)

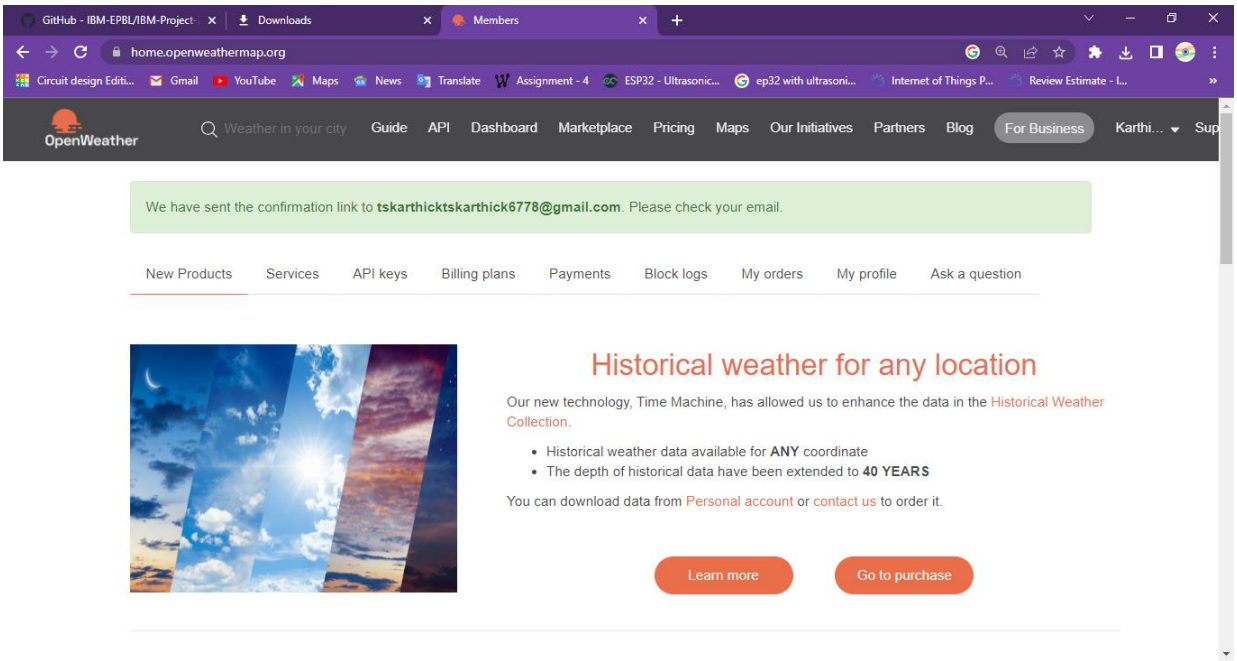
Date	04 November 2022
Team ID	PNT2022TMID47980
Project Name	Industry-Specific Intelligent Fire Management System
Maximum Marks	4 Marks

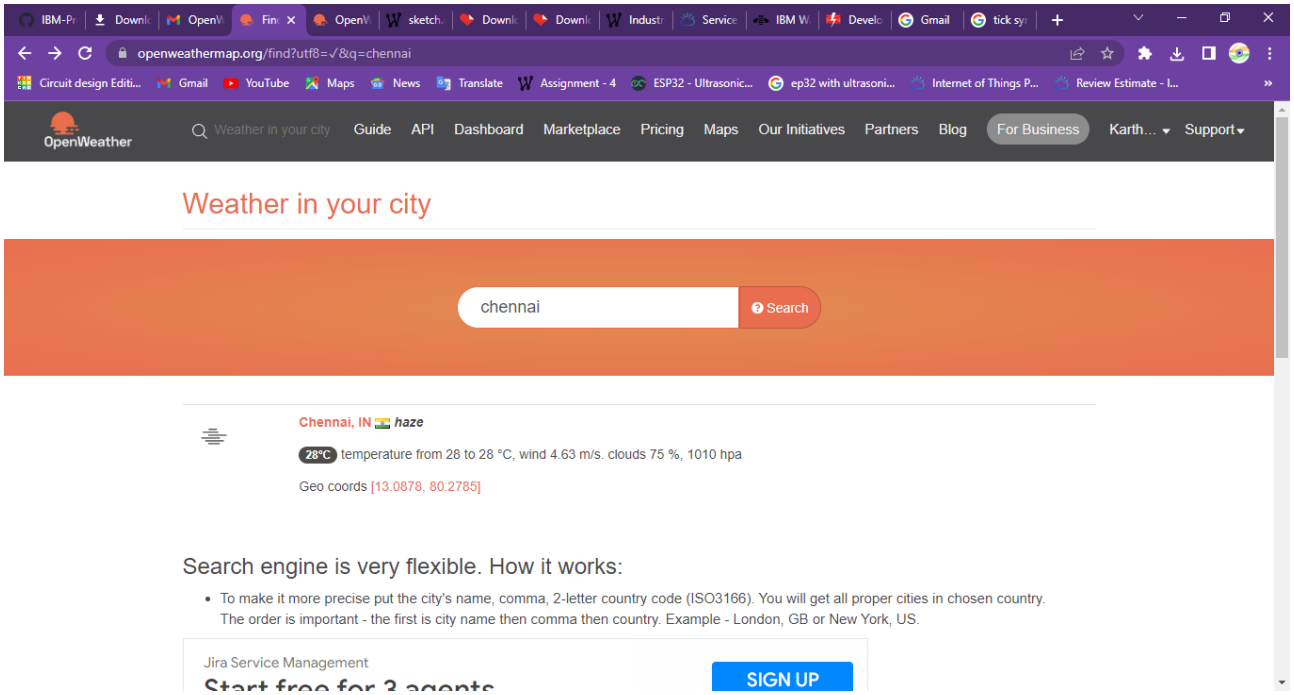
Industry-Specific Intelligent Fire Management System

Create a code snippet using python to

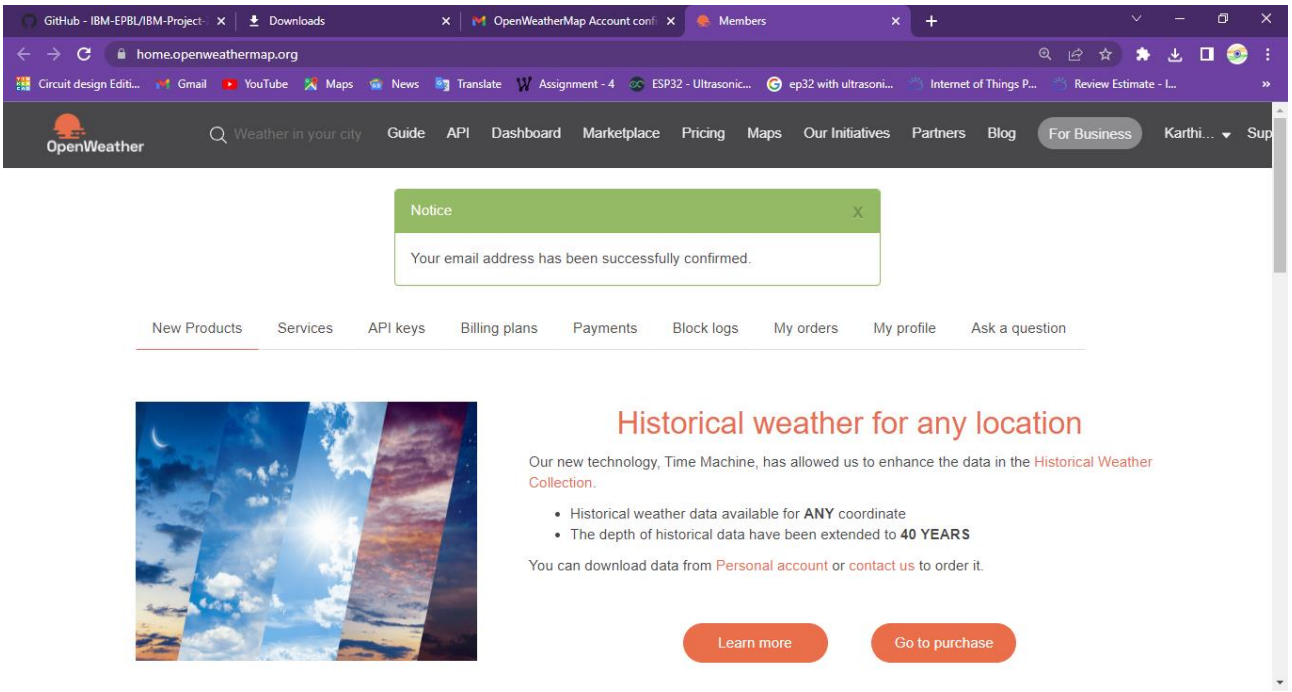
1. Extract weather data from Open Weather Map using APIs
2. Send the extracted data to the cloud
3. Receive data from the cloud and view it in the python compiler

KARTHICK T S:

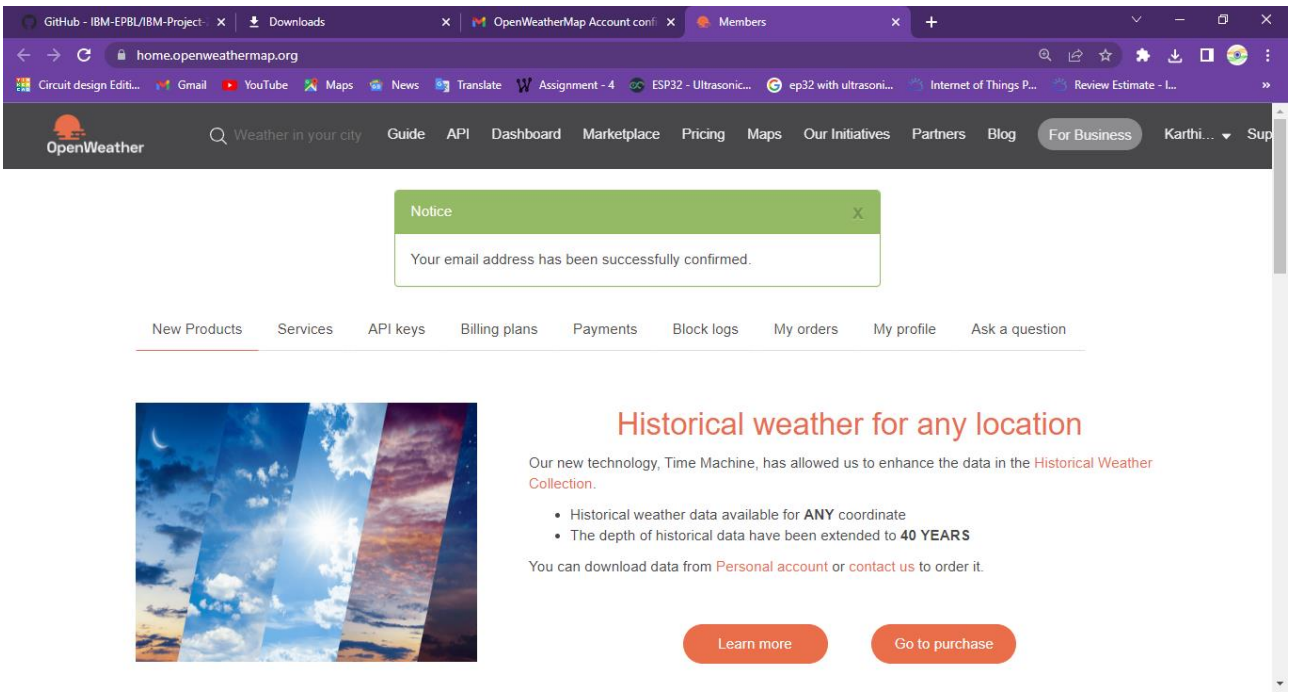



openweathermap.org/find?utf8=✓&q=chennai
OpenWeather
Weather in your city
Guide
API
Dashboard
Marketplace
Pricing
Maps
Our Initiatives
Partners
Blog
For Business
Support
Weather in your city
chennai
Search
Chennai, IN haze
28°C temperature from 28 to 28 °C, wind 4.63 m/s. clouds 75 %, 1010 hpa
Geo coords [13.0878, 80.2785]
Search engine is very flexible. How it works:
To make it more precise put the city's name, comma, 2-letter country code (ISO3166). You will get all proper cities in chosen country. The order is important - the first is city name then comma then country. Example - London, GB or New York, US.
Jira Service Management
SIGN UP

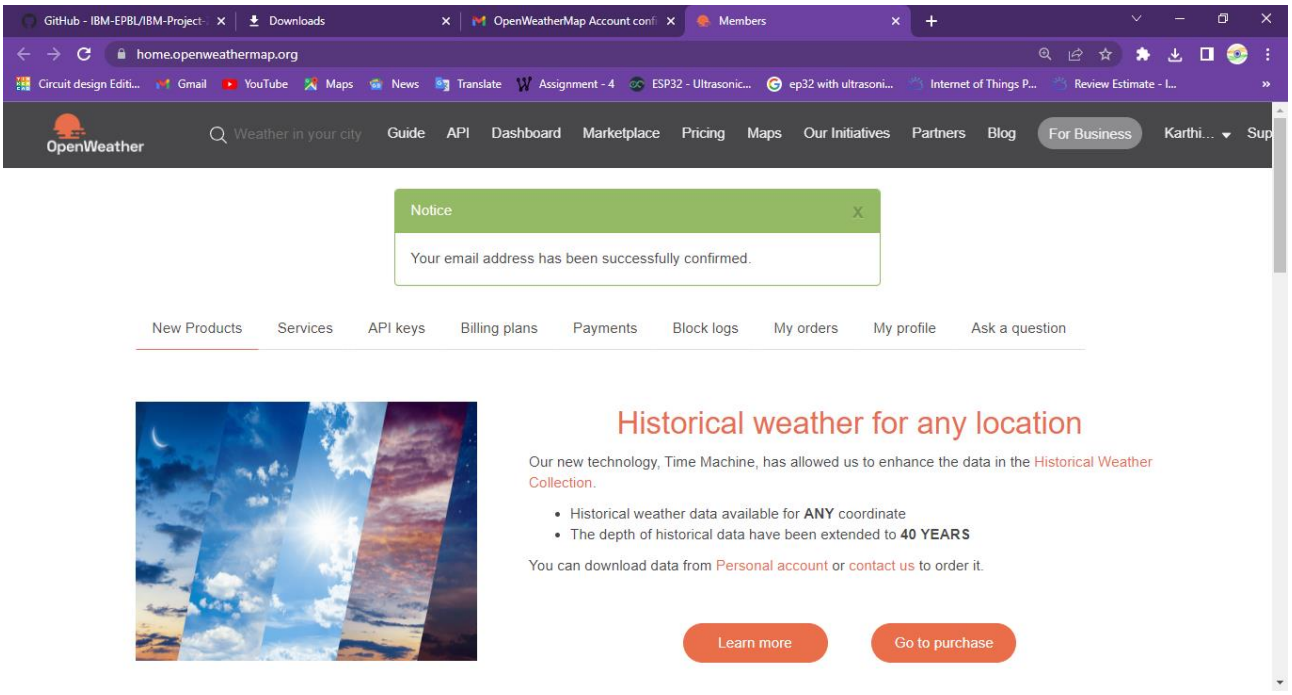
KUMARAN K J:


home.openweathermap.org
OpenWeather
Weather in your city
Guide
API
Dashboard
Marketplace
Pricing
Maps
Our Initiatives
Partners
Blog
For Business
Notice
Your email address has been successfully confirmed.
New Products
Services
API keys
Billing plans
Payments
Block logs
My orders
My profile
Ask a question
Historical weather for any location
Our new technology, Time Machine, has allowed us to enhance the data in the Historical Weather Collection.
Historical weather data available for ANY coordinate
The depth of historical data have been extended to 40 YEARS
You can download data from Personal account or contact us to order it.
Learn more
Go to purchase

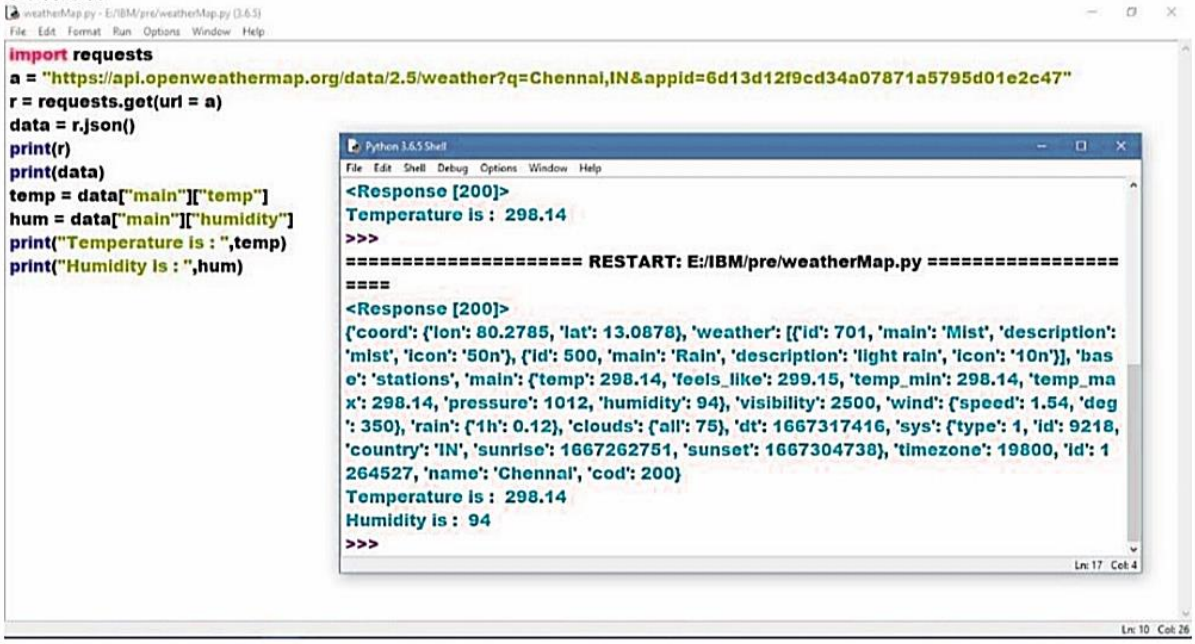
KARTHIGA SREE TG:



SHARAN S :



OUTPUT:


weatherMap.py - E:/IBM/pre/weatherMap.py (3.6.5)
File Edit Format Run Options Window Help
import requests
a = "https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=6d13d12f9cd34a07871a5795d01e2c47"
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)
Python 3.6.5 Shell
File Edit Shell Debug Options Window Help
<Response [200]>
Temperature is : 298.14
>>>
========== RESTART: E:/IBM/pre/weatherMap.py ==========
<Response [200]>
{'coord': {'lon': 80.2785, 'lat': 13.0878}, 'weather': [{'id': 701, 'main': 'Mist', 'description': 'mist', 'icon': '50n'}, {'id': 500, 'main': 'Rain', 'description': 'light rain', 'icon': '10n'}], 'base': 'stations', 'main': {'temp': 298.14, 'feels_like': 299.15, 'temp_min': 298.14, 'temp_max': 298.14, 'pressure': 1012, 'humidity': 94}, 'visibility': 2500, 'wind': {'speed': 1.54, 'deg': 350}, 'rain': {'1h': 0.12}, 'clouds': {'all': 75}, 'dt': 1667317416, 'sys': {'type': 1, 'id': 9218, 'country': 'IN', 'sunrise': 1667262751, 'sunset': 1667304738}, 'timezone': 19800, 'id': 1264527, 'name': 'Chennai', 'cod': 200}
Temperature is : 298.14
Humidity is : 94
>>>
Ln: 17 Col: 4
Ln: 10 Col: 26