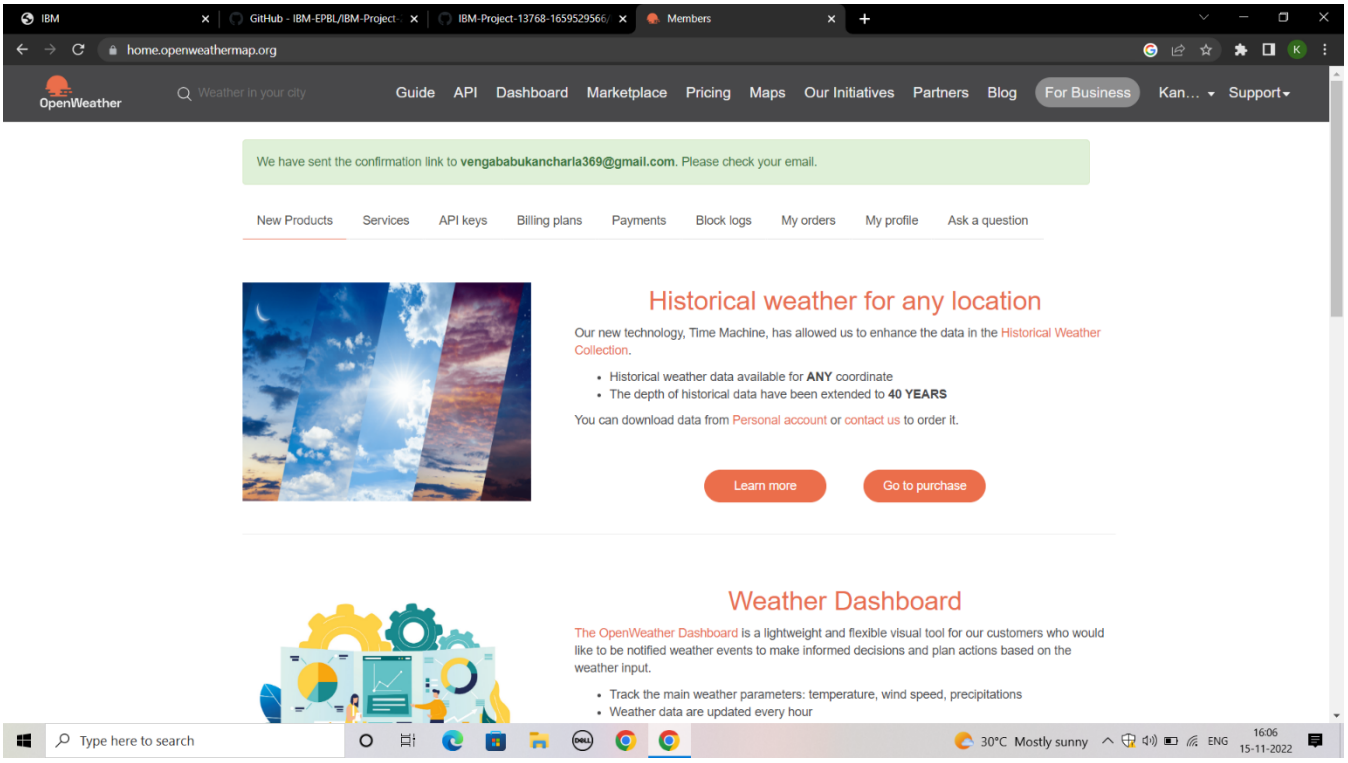
Develop a Python script

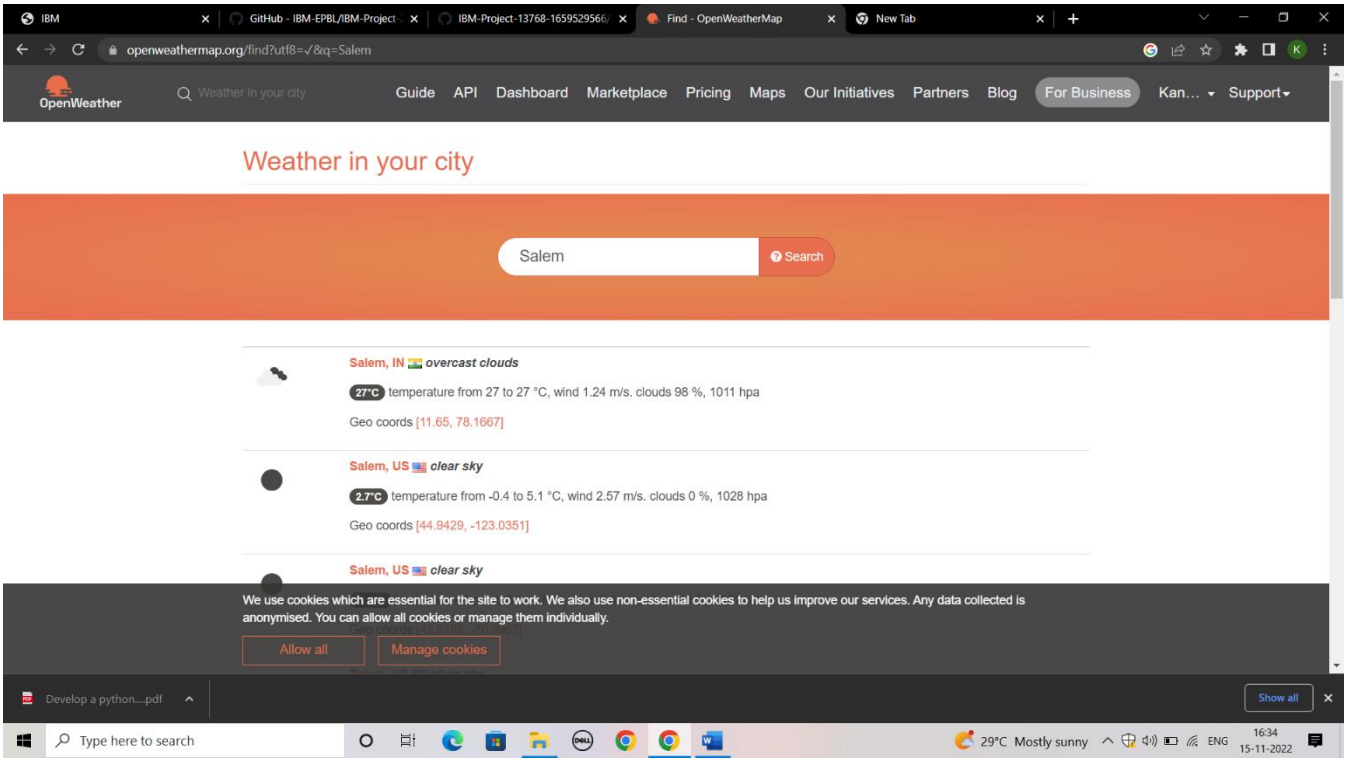
Team ID	PNT2022TMID18390
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES
Maximum Marks	4 Marks

SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES

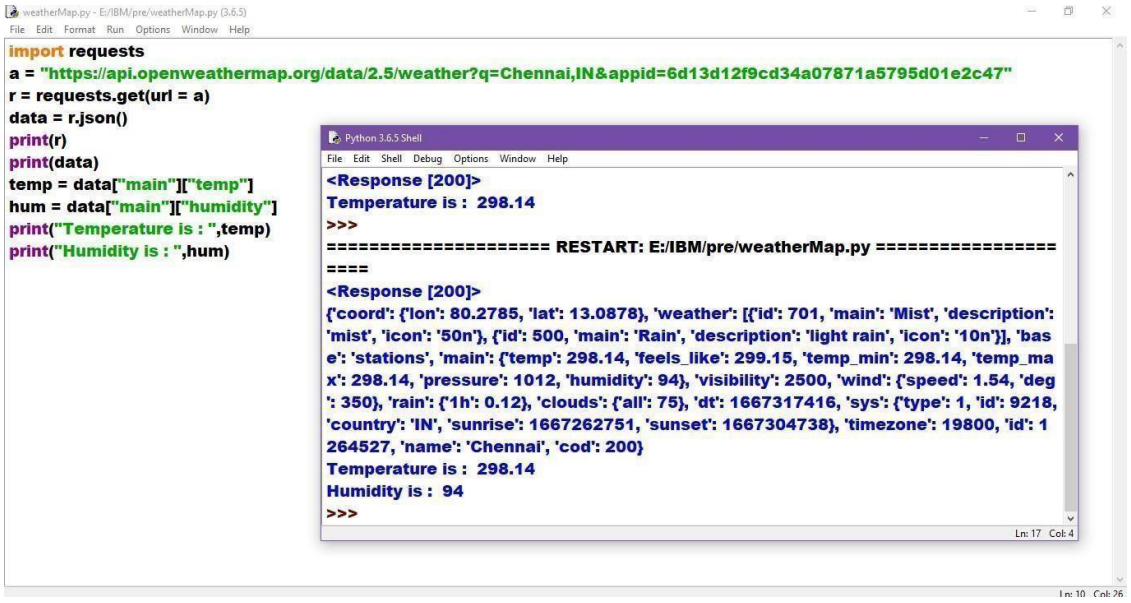
Create a code snippet using python to

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




IBM
GitHub - IBM-EPBL/IBM-Project
IBM-Project-13768-1659529566
Find - OpenWeatherMap
New Tab
openweathermap.org/find?utf8=✓&q=Salem
OpenWeather
Weather in your city
Guide
API
Dashboard
Marketplace
Pricing
Maps
Our Initiatives
Partners
Blog
For Business
Support
Weather in your city
Salem
Search
Salem, IN overcast clouds
27°C temperature from 27 to 27 °C, wind 1.24 m/s. clouds 98 %, 1011 hpa
Geo coords [11.65, 78.1667]
Salem, US clear sky
2.7°C temperature from -0.4 to 5.1 °C, wind 2.57 m/s. clouds 0 %, 1028 hpa
Geo coords [44.9429, -123.0351]
Salem, US clear sky
We use cookies which are essential for the site to work. We also use non-essential cookies to help us improve our services. Any data collected is anonymised. You can allow all cookies or manage them individually.
Allow all
Manage cookies
Develop a python....pdf
Show all
Type here to search
29°C Mostly sunny
ENG
16:34
15-11-2022

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