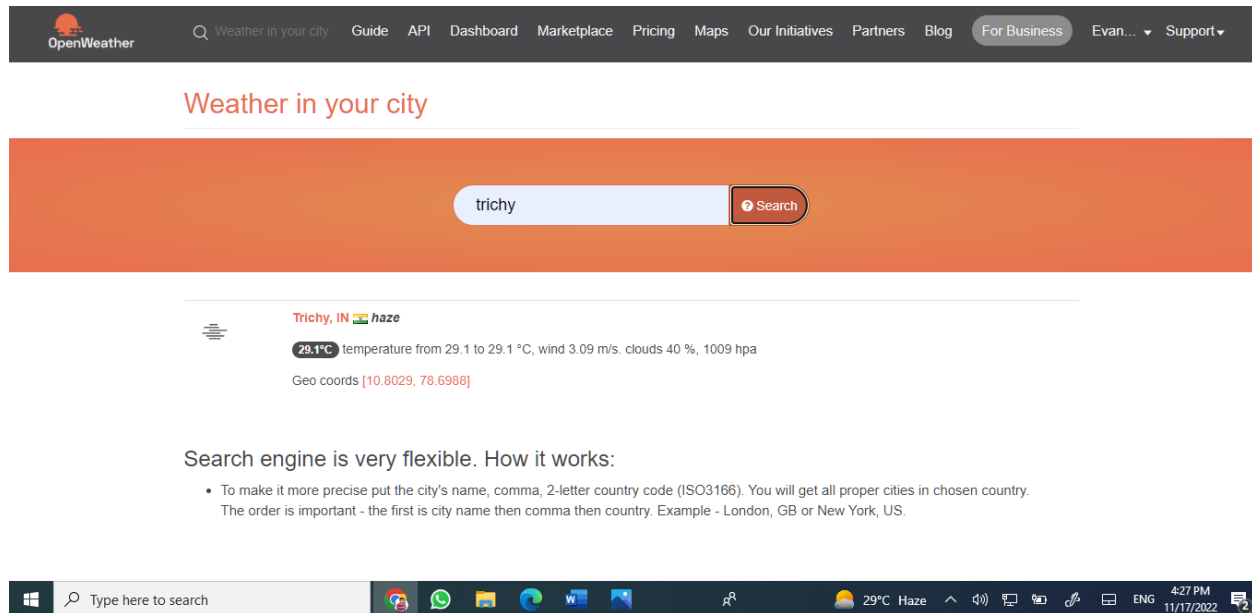


DEVELOP PYTHON SCRIPT

Date	19 September 2022
Team ID	PNT2022TMID45392
Project Name	SMART WASTE MANAGEMENT SYSTEM IN METROPOLITAN CITIES

PUBLISH THE DATA TO IBM CLOUD



The screenshot displays the OpenWeather website interface. At the top, there is a navigation bar with the OpenWeather logo and various links including 'Weather in your city', 'Guide', 'API', 'Dashboard', 'Marketplace', 'Pricing', 'Maps', 'Our Initiatives', 'Partners', 'Blog', 'For Business', 'Evan...', and 'Support'. Below the navigation bar, the main heading 'Weather in your city' is visible. A search bar contains the text 'trichy' and a 'Search' button. The search results show the weather for Trichy, IN, with a current temperature of 29.1°C and a description of 'haze'. The results also include a temperature range, wind speed, cloud cover, and pressure. The geo-coordinates are listed as [10.8029, 78.6988]. Below the search results, there is a section titled 'Search engine is very flexible. How it works:' with a bullet point explaining that the search engine is flexible and provides precise results based on the city name and country code (ISO3166). The example given is 'London, GB' or 'New York, US'.


OpenWeather

Weather in your city

Guide API Dashboard Marketplace Pricing Maps Our Initiatives Partners Blog For Business Evan... Support

Weather in your city

trichy Search

Trichy, IN  haze

29.1°C temperature from 29.1 to 29.1 °C, wind 3.09 m/s, clouds 40 %, 1009 hpa

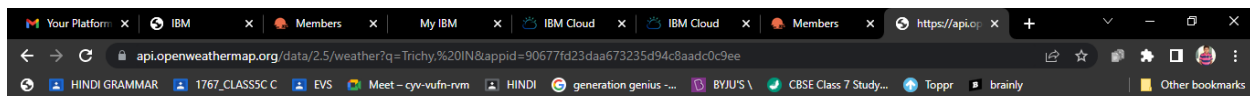
Geo coords [10.8029, 78.6988]

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.

Type here to search

29°C Haze 4:27 PM 11/17/2022



```
{
  "coord": {
    "lon": 78.6988,
    "lat": 10.8029
  },
  "weather": [
    {
      "id": 721,
      "main": "Haze",
      "description": "haze",
      "icon": "50d"
    }
  ],
  "base": "stations",
  "main": {
    "temp": 301.2,
    "feels_like": 303.27,
    "temp_min": 301.2,
    "temp_max": 301.2,
    "pressure": 1009,
    "humidity": 65,
    "visibility": 2500,
    "wind": {
      "speed": 2.06,
      "deg": 70
    },
    "clouds": {
      "all": 40
    },
    "dt": 1668681865,
    "sys": {
      "type": 1,
      "id": 9227,
      "country": "IN",
      "sunrise": 1668645699,
      "sunset": 1668687529,
      "timezone": 19800,
      "id": 7603116,
      "name": "Trichy",
      "cod": 200
    }
  }
}
```



PROGRAM:

```
import requests
a="https://api.openweathermap.org/data/2.5/weather?q=Trichy,%20IN&appid=90677fd23daa673235d94c8aad0c9ee"
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)
```

OUTPUT:

