PROJECT DEVELOPMENT – DELIVERY OF SPRINT – 2

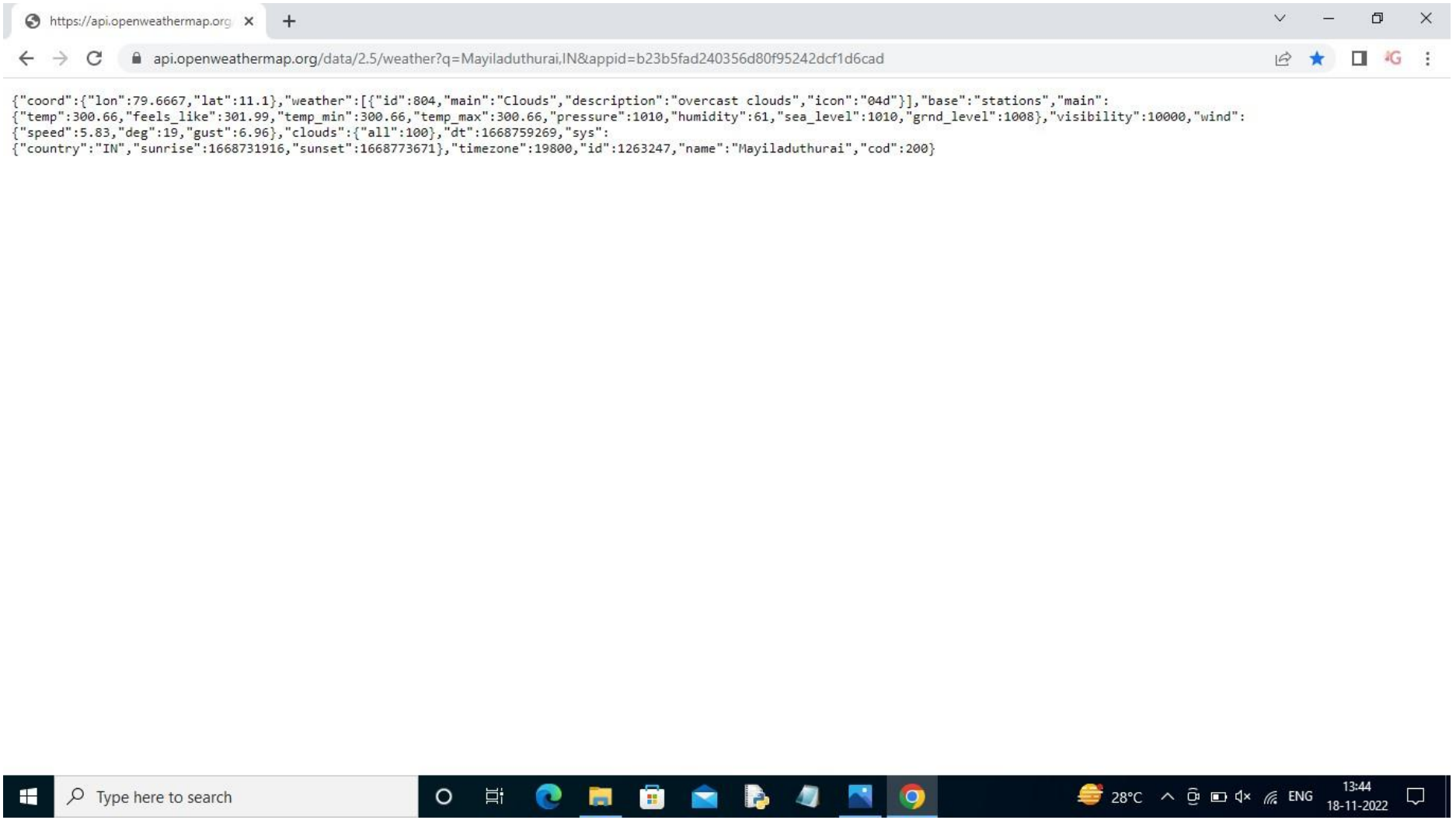
Date	**31 October 2022**
Team ID	**PNT2022TMID25683**
Project Title	**Signs With Smart Connectivity for Better RoadSafety**

SPRINT-2 (USN - 3)

Develop a python script to retrieve data from API. Push the code from Sprint 1 to cloud so it can be accessed from anywhere.

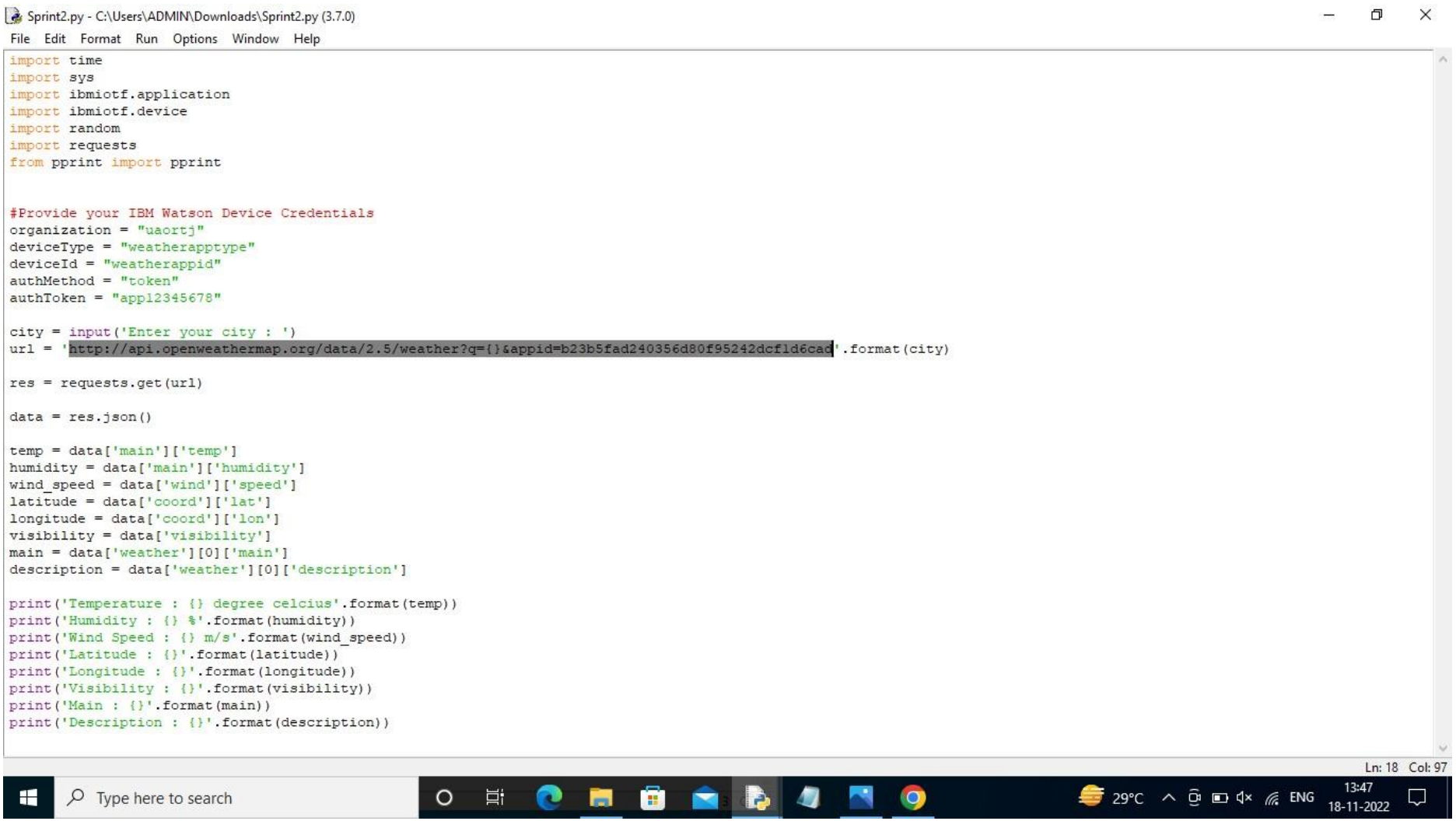
Getting the URL from Open Weather API

STEP 1:



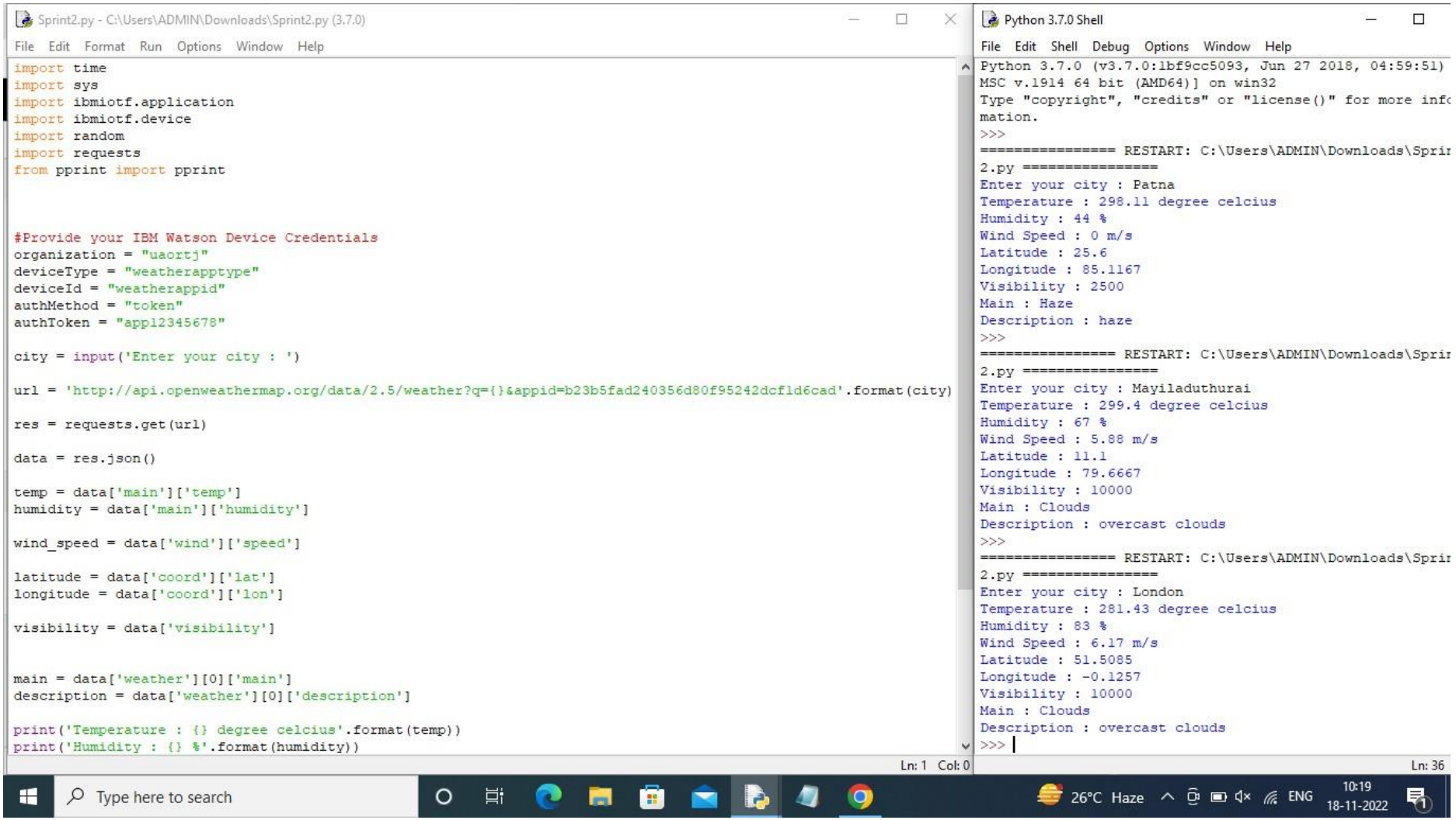
Developing a Python Script which connects with the URL created using Open Weather API.

STEP 2:



Getting the corresponding weather details for the city we have chosen as input.

STEP 3:


Sprint2.py - C:\Users\ADMIN\Downloads\Sprint2.py (3.7.0)
File Edit Format Run Options Window Help
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
import requests
from pprint import pprint
#Provide your IBM Watson Device Credentials
organization = "uaortj"
deviceType = "weatherapptype"
deviceId = "weatherappid"
authMethod = "token"
authToken = "appl2345678"
city = input('Enter your city : ')
url = 'http://api.openweathermap.org/data/2.5/weather?q={}&appid=b23b5fad240356d80f95242dcfld6cad'.format(city)
res = requests.get(url)
data = res.json()
temp = data['main']['temp']
humidity = data['main']['humidity']
wind_speed = data['wind']['speed']
latitude = data['coord']['lat']
longitude = data['coord']['lon']
visibility = data['visibility']
main = data['weather'][0]['main']
description = data['weather'][0]['description']
print('Temperature : {} degree celcius'.format(temp))
print('Humidity : {} %'.format(humidity))
Ln: 1 Col: 0
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51)
MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more info
mation.
>>>
========== RESTART: C:\Users\ADMIN\Downloads\Sprin
2.py ==========
Enter your city : Patna
Temperature : 298.11 degree celcius
Humidity : 44 %
Wind Speed : 0 m/s
Latitude : 25.6
Longitude : 85.1167
Visibility : 2500
Main : Haze
Description : haze
>>>
========== RESTART: C:\Users\ADMIN\Downloads\Sprin
2.py ==========
Enter your city : Mayiladuthurai
Temperature : 299.4 degree celcius
Humidity : 67 %
Wind Speed : 5.88 m/s
Latitude : 11.1
Longitude : 79.6667
Visibility : 10000
Main : Clouds
Description : overcast clouds
>>>
========== RESTART: C:\Users\ADMIN\Downloads\Sprin
2.py ==========
Enter your city : London
Temperature : 281.43 degree celcius
Humidity : 83 %
Wind Speed : 6.17 m/s
Latitude : 51.5085
Longitude : -0.1257
Visibility : 10000
Main : Clouds
Description : overcast clouds
>>>
Ln: 36
Type here to search
26°C Haze
ENG
10:19
18-11-2022