# DEVELOP THE PYTHON SCRIPT

| Team ID | PNT2022TMID22305 |
|---|---|
| Project Name | Signs With Smart Connectivity for Better Road Safety |

Create a code snippet using python to

· Extract weather data from OpenWeatherMap using APIs

· Send the extracted data to the cloud

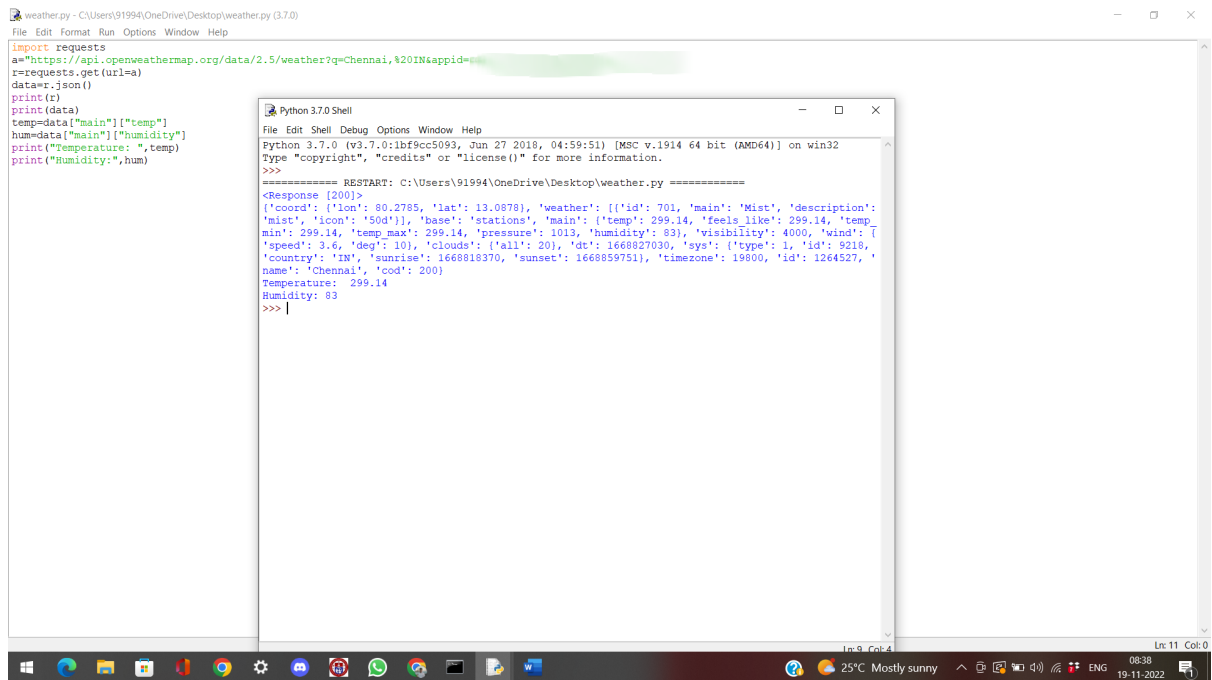· Receive data from the cloud and view it in the python compiler

## PYTHON CODE:



```
weather.py - C:\Users\91994\OneDrive\Desktop\weather.py (3.7.0)
File  Edit  Format  Run  Options  Window  Help
import requests
a="https://api.openweathermap.org/data/2.5/weather?q=Chennai,%20IN&appid=
r=requests.get(url=a)
data=r.json()
print(r)
print(data)
temp=data["main"]["temp"]
hum=data["main"]["humidity"]
print("Temperature: ",temp)
print("Humidity:",hum)
```

# OUTPUT:



```python
import requests
a="https://api.openweathermap.org/data/2.5/weather?q=Chennai,%20IN&appid=
r=requests.get(url=a)
data=r.json()
print(r)
print(data)
temp=data["main"]["temp"]
hum=data["main"]["humidity"]
print("Temperature: ",temp)
print("Humidity:",hum)
```

```
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 information.
>>>
============= RESTART: C:\Users\91994\OneDrive\Desktop\weather.py =============
<Response [200]>
{'coord': {'lon': 80.2785, 'lat': 13.0878}, 'weather': [{'id': 701, 'main': 'Mist', 'description':
'mist', 'icon': '50d'}], 'base': 'stations', 'main': {'temp': 299.14, 'feels_like': 299.14, 'temp_
min': 299.14, 'temp_max': 299.14, 'pressure': 1013, 'humidity': 83}, 'visibility': 4000, 'wind': {
'speed': 3.6, 'deg': 10}, 'clouds': {'all': 20}, 'dt': 1668827030, 'sys': {'type': 1, 'id': 9218,
'country': 'IN', 'sunrise': 1668818370, 'sunset': 1668859751}, 'timezone': 19800, 'id': 1264527, '
name': 'Chennai', 'cod': 200}
Temperature:  299.14
Humidity: 83
>>>
```