Develop a python script

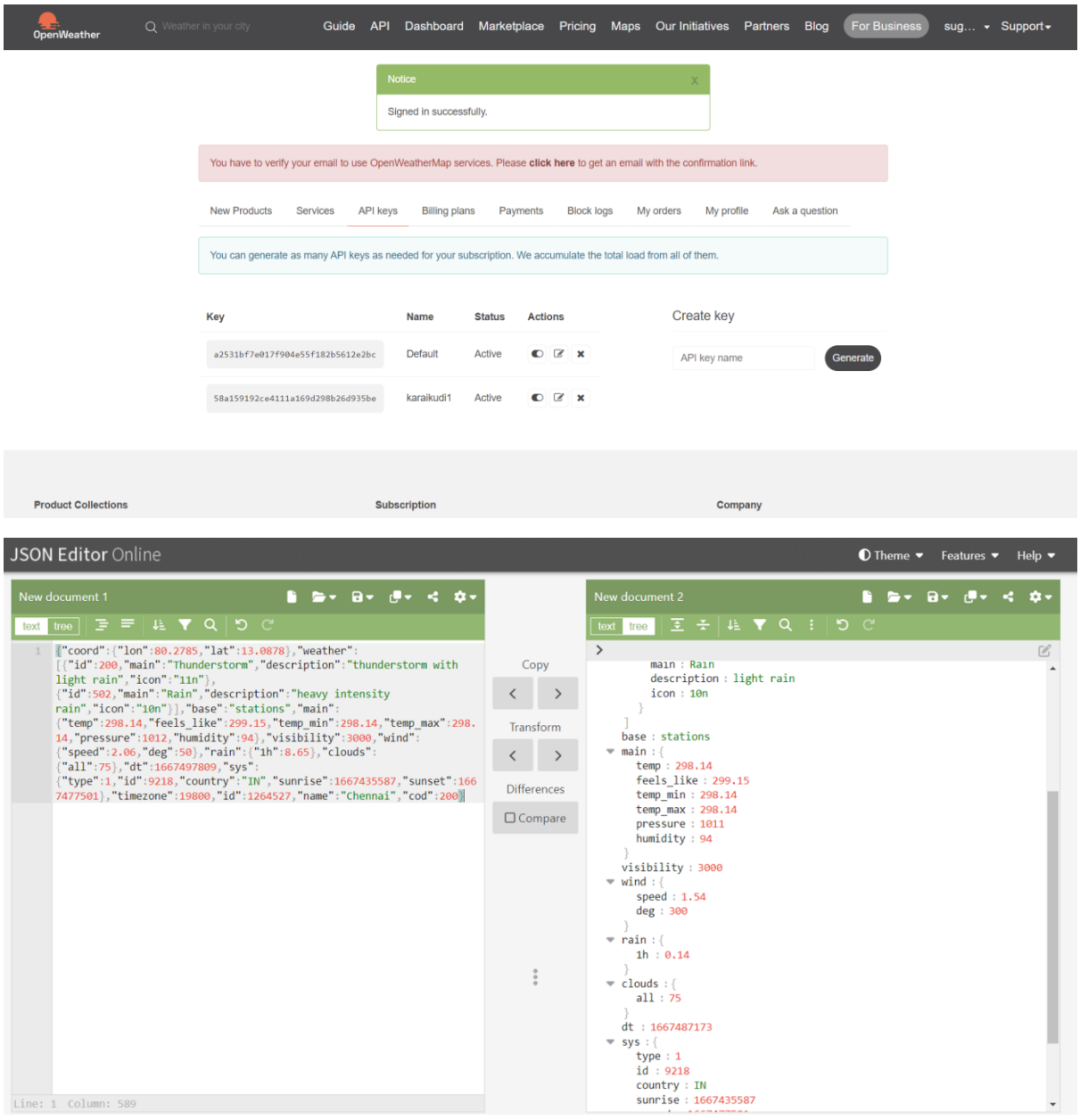
Team ID	PNT2022TMID06149
Project Name	Smart waste management system for metropolitan cities

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



openweather.py - C:/Users/SUGAPRIYA A/AppData/Local/Programs/Python/Python310/openweather.py (3.10.7)

File Edit Format Run Options Window Help

```
import requests
a="https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=a2531bf7e017f904e55f182b5612e2bc"
r=requests.get(url=a)
print(r)
data=r.json()
tem=data['main']['temp']
print("temperature is",tem)
hum=data['main']['humidity']
print("humidity is",hum)
```

IDLE Shell 3.10.7

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```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/SUGAPRIYA A/AppData/Local/Programs/Python/Python310/openweat
her.py
<Response [200]>
>>>
= RESTART: C:/Users/SUGAPRIYA A/AppData/Local/Programs/Python/Python310/openweat
her.py
<Response [200]>
{'coord': {'lon': 80.2785, 'lat': 13.0878}, 'weather': [{'id': 200, 'main': 'Thu
nderstorm', 'description': 'thunderstorm with light rain', 'icon': '11n'}, {'id'
: 501, 'main': 'Rain', 'description': 'moderate 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': 3000, 'wind'
: {'speed': 2.06, 'deg': 50}, 'rain': {'1h': 1.5}, 'clouds': {'all': 75}, 'dt':
1667498434, 'sys': {'type': 1, 'id': 9218, 'country': 'IN', 'sunrise': 166743558
7, 'sunset': 1667477501}, 'timezone': 19800, 'id': 1264527, 'name': 'Chennai', '
cod': 200}
>>>
= RESTART: C:/Users/SUGAPRIYA A/AppData/Local/Programs/Python/Python310/openweat
her.py
<Response [200]>
298.14
>>>
= RESTART: C:/Users/SUGAPRIYA A/AppData/Local/Programs/Python/Python310/openweat
her.py
<Response [200]>
```

Ln: 23 Col: 0

{"coord":{"lon":80.2785,"lat":13.0878},"weather":[{"id":200,"main":"Thunderstorm","description":"thunderstorm with light rain","icon":"11n"},{"id":502,"main":"Rain","description":"heavy intensity 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":3000,"wind":{"speed":2.06,"deg":50},"rain":{"1h":8.65},"clouds":{"all":75},"dt":1667497809,"sys":{"type":1,"id":9218,"country":"IN","sunrise":1667435587,"sunset":1667477501},"timezone":19800,"id":1264527,"name":"Chennai","cod":200}