

## SPRINT 3

### API INTEGRATION PYTHON CODE

TEAM ID	PNT2022TMID31413
DATE	13 NOVEMBER 2022
TITLE	Signs with Smart Connectivity for Better Road Safety

The screenshot displays the Visual Studio Code interface. The main editor window shows a Python file named `weatherdata.py` with the following code:

```
1 import json
2 import requests
3
4 def set_up():
5     api_key="7ce43904011785d4649ae9b510a42555"
6     city1="coimbatore"
7     domain="http://api.openweathermap.org"
8     # my_url="{}/data/2.5/weather?q={}&appid={}&units=metric".format(
9     #     domain,
10    #     city1,
11    #     api_key
12    # )
13    my_url = f'{domain}/data/2.5/weather?q={city1}&appid={api_key}&units=metric'
14    response=requests.get(my_url, timeout=5)
15    data=json.loads(response.text)
16    return data
17
18 def get_data(info):
19     temp=info["main"]["temp"]
20     humidity=info["main"]["humidity"]
21     print("Temperature: ", temp)
22     print("Humidity: ", humidity)
23     # print("climate is updated")
24
25 if __name__ == "__main__":
26     get_data(set_up())
27
```

The terminal window at the bottom shows the execution of the script using PowerShell:

```
PS C:\Users\thari\OneDrive\Documents\VS_Code\Project> & 'C:\Users\thari\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\thari\.vscode\extensions\ms-python.python-2022.18.2\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '49596' '--' 'c:\Users\thari\OneDrive\Documents\VS_Code\Project\WeatherData.py'
Temperature:  21.88
Humidity:  94
PS C:\Users\thari\OneDrive\Documents\VS_Code\Project>
```

The Explorer sidebar on the right shows the project structure with files `Test.py`, `file.py`, `weatherdata.py`, and `NodeMCU.py`. The Output window at the bottom right shows a message: "Couldn't start client Java Language Server".