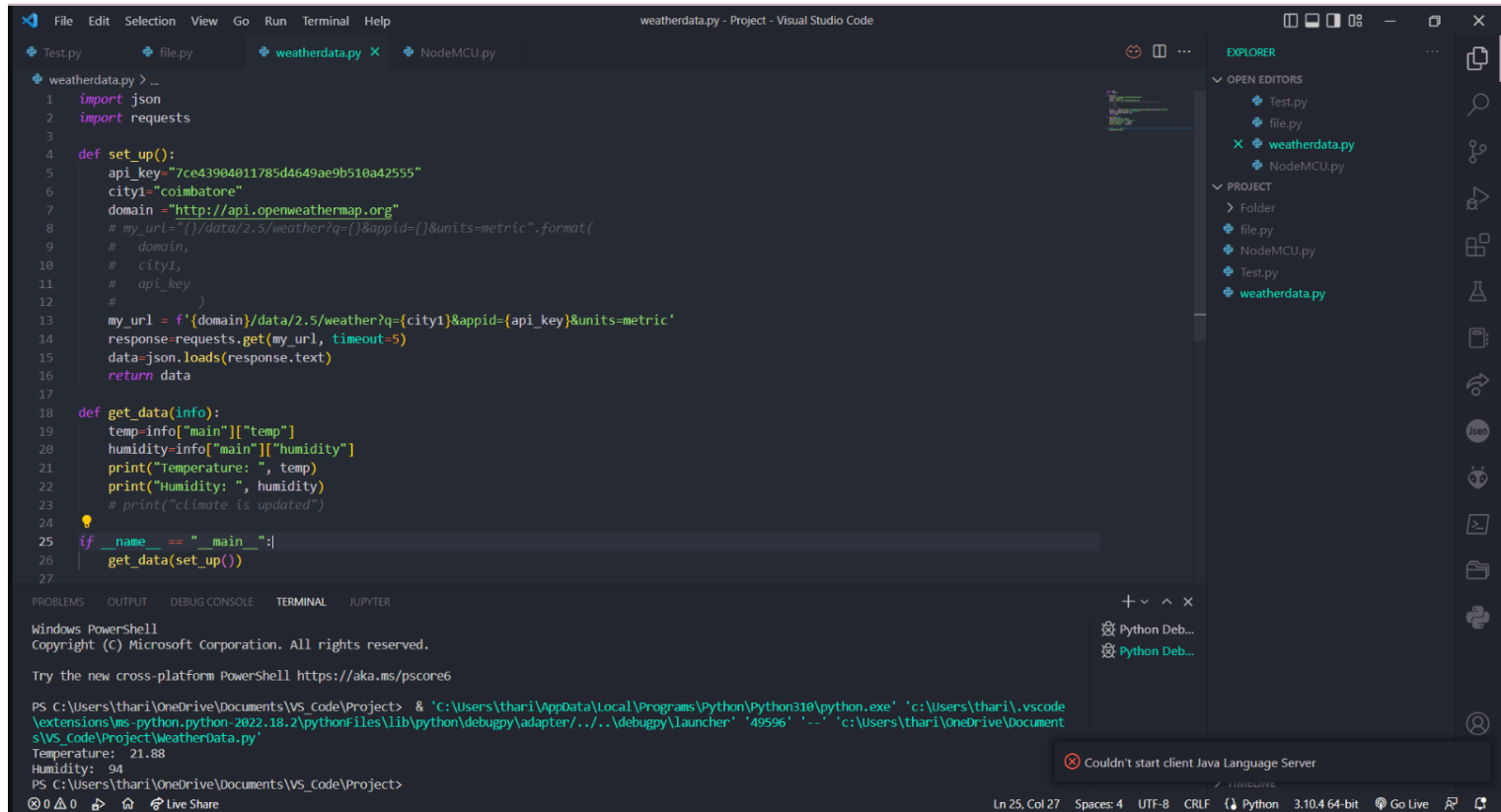


# SPRINT 3

## API INTEGRATION PYTHON CODE

TEAM ID	PNT2022TMID23164
DATE	13 NOVEMBER 2022
TITLE	Signs with Smart Connectivity for Better Road Safety



```
File Edit Selection View Go Run Terminal Help
weatherdata.py - Project - Visual Studio Code

Test.py file.py weatherdata.py X NodeMCU.py

weatherdata.py > ...
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
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

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>

Ln 25, Col 27 Spaces: 4 UTF-8 CRLF Python 3.10.4 64-bit Go Live
```