



```
weatherapi.py
1 import requests
2
3 def get_weather_data(city_name, api_key):
4     base_url = "http://api.openweathermap.org/data/2.5/weather?"
5     complete_url = f"{base_url}q={city_name}&appid={api_key}&units=metric"
6     response = requests.get(complete_url)
7     data = response.json()
8     return data
9
10 def display_weather_data(weather_data):
11     if weather_data["cod"] == 200:
12         main_data = weather_data["main"]
13         weather = weather_data["weather"][0]
14         temperature = main_data["temp"]
15         humidity = main_data["humidity"]
16         weather_description = weather["description"]
17         print(f"Weather: {weather_description}")
18         print(f"Temperature: {temperature}°C")
19         print(f"Humidity: {humidity}%")
20     else:
21         print("City not found or an error occurred. Please check your input.")
22
23 def main():
24     city_name = input("Enter city name: ")
25     api_key = "24280018a86bf391f8cf77137606c08a" # Replace with your actual API key
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\ramas\.vscode> & "C:/Program Files/Python311/python.exe" c:/Users/ramas/.vscode/weatherapi.py
Enter city name: chennai
Weather: mist
Temperature: 29.42°C
Humidity: 76%
PS C:\Users\ramas\.vscode>
```

