ASSIGNMENT 2

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

PROGRAM:

```python
import requests

# paste your api key here
api_key = "4256b3de394a56a86ee35e43af6f5c2e"

# getting city name from user
city = input("Enter city name: ")

"""
we appending the city valirable and api_key variable
to complete the url. for example city name is Mumbai
then url looks like
https://api.openweathermap.org/data/2.5/weather?q=Mumbai&units=metric&APPID=4256b3de394a56a86ee35e43af6f5c2e
"""
data = requests.get(
    f"https://api.openweathermap.org/data/2.5/weather?q={city}&units=metric&APPID={api_key}"
)

# uncomment the following line and run it so you can get the data in json format
# print(data.json())

# getting the data
print(f"Location: {data.json().get('name')}, {data.json().get('sys').get('country')}")
```

```python
print(f"Temperature: {data.json().get('main')['temp']
}°C")
print(f"Weather: {data.json().get('weather')[0].get('
main')}")
print(
    f"Min/Max Temperature: {data.json().get('main')['
temp_min']}°C/{data.json().get('main')['temp_max']}°C
"
)
print(f"Humidity: {data.json().get('main')['humidity'
]}%")
print(f"Wind: {data.json().get('wind')['speed']} km/h
")


#follow @code_snail on instagram
```

OUTPUT:

```
Enter city name: vellore
Location: Vellore, IN
Temperature: 28.36°C
Weather: Clouds
Min/Max Temperature: 28.36°C/28.36°C
Humidity: 60%
Wind: 4.8 km/h
```
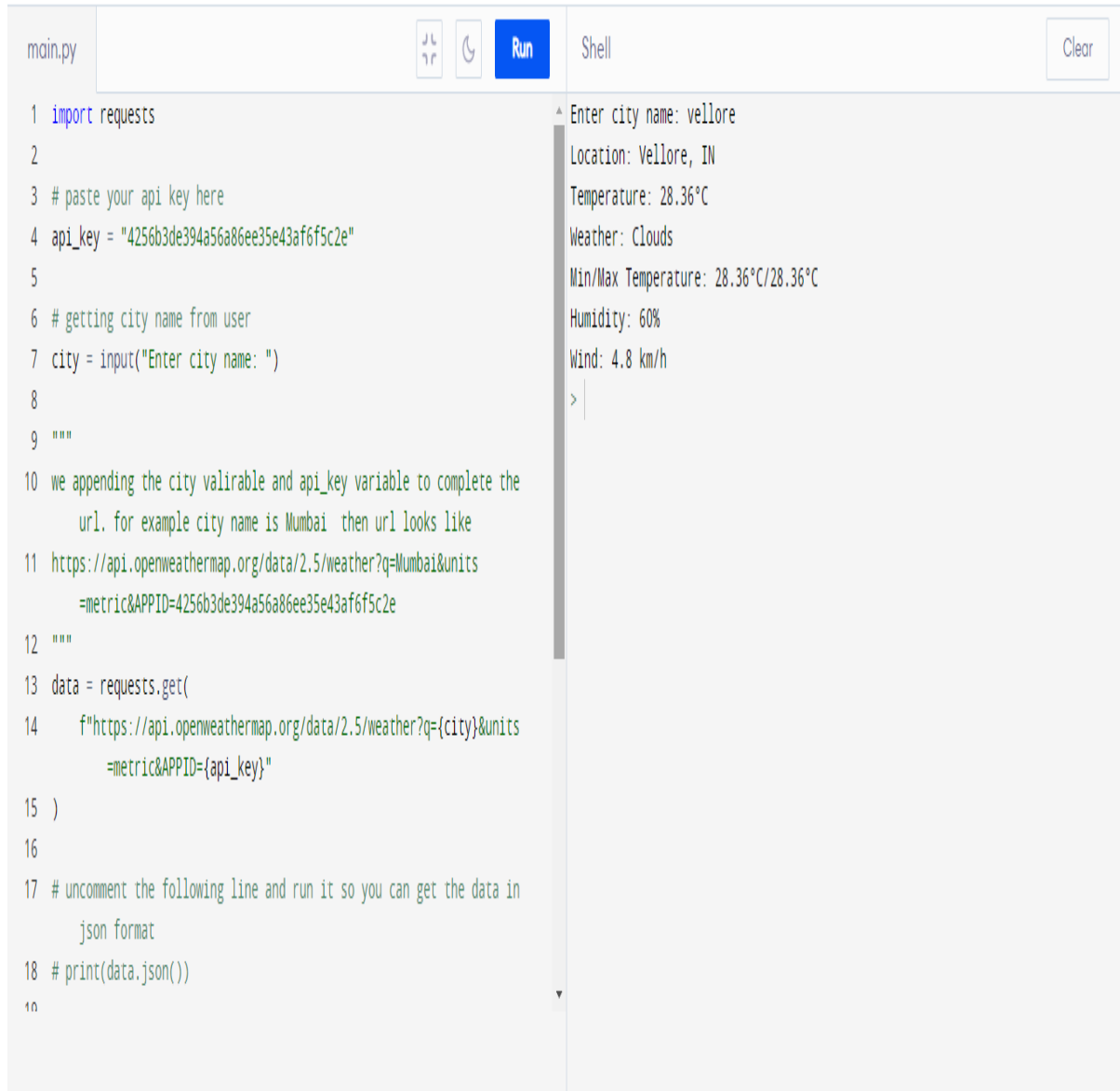
RESULT:

```
main.py                              Run        Shell                                    Clear

1  import requests                              Enter city name: vellore
2                                               Location: Vellore, IN
3  # paste your api key here                    Temperature: 28.36°C
4  api_key = "4256b3de394a56a86ee35e43af6f5c2e" Weather: Clouds
5                                               Min/Max Temperature: 28.36°C/28.36°C
6  # getting city name from user                Humidity: 60%
7  city = input("Enter city name: ")            Wind: 4.8 km/h
8                                               >
9  """
10 we appending the city valirable and api_key variable to complete the
       url. for example city name is Mumbai  then url looks like
11 https://api.openweathermap.org/data/2.5/weather?q=Mumbai&units
       =metric&APPID=4256b3de394a56a86ee35e43af6f5c2e
12 """
13 data = requests.get(
14     f"https://api.openweathermap.org/data/2.5/weather?q={city}&units
           =metric&APPID={api_key}"
15 )
16
17 # uncomment the following line and run it so you can get the data in
       json format
18 # print(data.json())
19
```