

Import the modules

```
import requests
import json
```

Define the API key and the base URL

```
api_key = "your_api_key_here"
base_url = "https://api.openweathermap.org/data/2.5/weather?"
```

Get the user input for the location

```
location = input("Enter the city name or the ZIP code: ")
```

Check if the location is a city name or a ZIP code

```
if location.isdigit():
    # If the location is a ZIP code, use the zip parameter
    complete_url = base_url + "appid=" + api_key + "&zip=" + location
else:
    # If the location is a city name, use the q parameter
    complete_url = base_url + "appid=" + api_key + "&q=" + location
```

Send the request to the API and get the response

```
response = requests.get(complete_url)
```

Check the status code of the response

```
if response.status_code == 200:
    # If the status code is 200, the request was successful
    # Parse the response data as a JSON object
    data = response.json()
```

```
# Extract the relevant information from the data
# The data is in Kelvin, so convert it to Celsius
temp = data["main"]["temp"] - 273.15
humidity = data["main"]["humidity"]
weather = data["weather"][0]["description"]
```

```
# Display the weather information
print(f"The current weather in {location} is:")
print(f"Temperature: {temp:.2f} °C")
print(f"Humidity: {humidity} %")
print(f"Weather: {weather}")
```

```
else:
    # If the status code is not 200, the request was unsuccessful
    # Display an error message
    print("Sorry, the location you entered is not valid or the API is not available.")
```