

## Actividad I API's de terceros

```
api1.py
api1.py > ...
1  #Autor: Sharon Michelle Olvera Ibarra
2  #Descripción: La siguiente API se encarga de mostrar los datos meteorologicos de la ciudad que desees solicitar
3  #Fecha: 16/11/2023
4
5  import urllib.parse
6  import requests
7
8  while True:
9      city_name = input("City_name: ")
10     if city_name == "salir" or city_name == "s":
11         break
12     country_code = input("countrycode: ")
13     if country_code == "salir" or country_code == "s":
14         break
15
16     main_api = "https://api.weatherbit.io/v2.0/current?"
17     key = "0c9ea60028cc404bbadadfd41c8c98c1"
18
19     url = main_api + urllib.parse.urlencode({"key": key, "city": city_name, "country": country_code})
20     print("URL: " + url)
21
22     try:
23         # Realiza la solicitud a la API y obtiene la respuesta en formato JSON
24         json_data = requests.get(url).json()
25
26         # Verifica si la solicitud fue exitosa
27         if "data" in json_data and len(json_data["data"]) > 0:
28             weather_data = json_data["data"][0]
29
30             # Muestra la información relevante
31             print("\nWeather information:")
32             print(f"Temperature: {weather_data['temp']}°C")
33             print(f>Description: {weather_data['weather'] ['description']}")
34             print(f"Humidity: {weather_data['rh']}%")
35
36             print(f"Humidity: {weather_data['rh']}%")
37             print(f"Wind Speed: {weather_data['wind_spd']} m/s")
```

Pruebas de varias corridas:

```
PS C:\Users\HP\Documents\Programación\Unidad2\Práctica Guiada> & C:/Python311/python.exe "c:/Users/HP/Documents/Programación/Unidad2/Práctica Guiada/api1.py"
City_name: Kabul
countrycode: AFG
URL: https://api.weatherbit.io/v2.0/current?key=0c9ea60028cc404bbadadfd41c8c98c1&city=Kabul&country=AFG

Weather information:
Temperature: 18.9°C
Description: Scattered clouds
Humidity: 93%
Wind Speed: 2.3904822 m/s
```

Olvera Ibarra Sharon Michelle

```
City_name: Toronto
countrycode: CAN
URL: https://api.weatherbit.io/v2.0/current?key=0c9ea60028cc404bbadadfd41c8c98c1&city=Toronto&country=CAN
```

```
Weather information:  
Temperature: 8.3°C  
Description: Fog  
Humidity: 81%  
Wind Speed: 2.1 m/s
```

```
City_name: Monterrey
countrycode: MEX
URL: https://api.weatherbit.io/v2.0/current?key=0c9ea60028cc404bbadadfd41c8c98c1&city=Monterrey&country=MEX
```

```
Weather information:  
Temperature: 21.2°C  
Description: Scattered clouds  
Humidity: 77%  
Wind Speed: 1.0292969 m/s  
City name: s
```

GET con postman:

