Working with APIs

In [2]:
```
import warnings
import sys
if not sys.warnoptions:
    warnings.simplefilter("ignore")
```

In [8]:
```
import requests

# Function to fetch weather data
def fetch_weather_data(city, api_key):
    try:
        # API endpoint
        url = f"Enter Link"

        # Sending a GET request
        response = requests.get(url)

        if response.status_code == 200:
            data = response.json()

            # Extracting required data
            city_name = data['name']
            temperature = data['main']['temp']
            weather_condition = data['weather'][0]['description']
            humidity = data['main']['humidity']

            # Displaying the data
            print(f"Weather in {city_name}:\n")
            print(f"Temperature: {temperature}°C")
            print(f"Condition: {weather_condition.capitalize()}")
            print(f"Humidity: {humidity}%")
        else:
            print(f"Error: Unable to fetch weather data. Status Code: {response.status_code}")

    except Exception as e:
        print(f"An error occurred: {e}")

# Main function
```

```python
if __name__ == "__main__":
    # Input city name
    city = input("Enter the name of the city: ").strip()

    # Your OpenWeatherMap API key
    api_key = 'Replace with your API key'

    # Fetch and display weather data
    fetch_weather_data(city, api_key)
```

```
Weather in Mumbai:

Temperature: 28.99°C
Condition: Smoke
Humidity: 48%
```