https://api.openweathermap.org/data/2.5/weather?q=chandigarh&appid=[3acd17fbbb7adee6673188eb54740343](https://home.openweathermap.org/api_keys)&units=metric

https://[api.openweathermap.org/data/2.5/weather?q=PUNE&appid=b3014ac7b9e073e3fcd9b0d30062e803](https://api.openweathermap.org/data/2.5/weather?q=PUNE&appid=b3014ac7b9e073e3fcd9b0d30062e803)&units=metric

GitHub Link

* <https://github.com/sr1983-it-gl/09_GL_FE_Nov_2023_Participants/tree/main/06-Lab-03/Weather-App>

Open Weather

* <https://openweathermap.org/>

* API Keys
  + <https://home.openweathermap.org/api_keys>

* API
  + <https://openweathermap.org/current#one>
  + Sample API
    - Format
      * https://api.openweathermap.org/data/2.5/weather?q={city name}&appid=[{API key}](https://home.openweathermap.org/api_keys)&units=metric
    - Example
      * https://api.openweathermap.org/data/2.5/weather?q=Delhi&appid=0a5eb987803a68457bc1f43354c8e756&units=metric

* JSON Formatter Plugin
  + <https://chromewebstore.google.com/detail/json-formatter/bcjindcccaagfpapjjmafapmmgkkhgoa>

Tasks

* Implement constructURL method
* Install NodeJS
  + “node –version”
* Testing
  + Go to project directory
  + Command
    - npm init --yes
  + Update package.json with the following
    - "type": "module"
  + Add comma before the statement
  + Testing
    - node weather-app\weather-api-test.js
* Implement invokeURL
* Test invokeURL
* Application class - EventHandling Implementation - Initial
* Testing
  + Go to the project directory
  + Install Http-Server
    - npm install -global http-server
  + Start the Server
    - http-server --port 8888
  + Access the Application
    - <http://localhost:8888>
* Invoke-API and Update UI
  + Location
    - {responseDocument.name}, {responseDocument.sys.country
    - }
  + Date
  + Temperature
    - {responseDocument.main.temp}
  + Type
    - {responseDocument.weather[0].main}
  + Min / Max
    - {responseDocument.main.temp\_min} / {responseDocument.main.temp\_max}