

IS216 Web Application Development 2

APIs Challenges

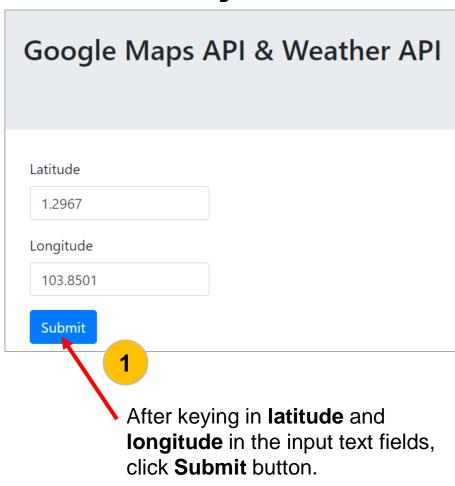
K. J. Shim kjshim@smu.edu.sg

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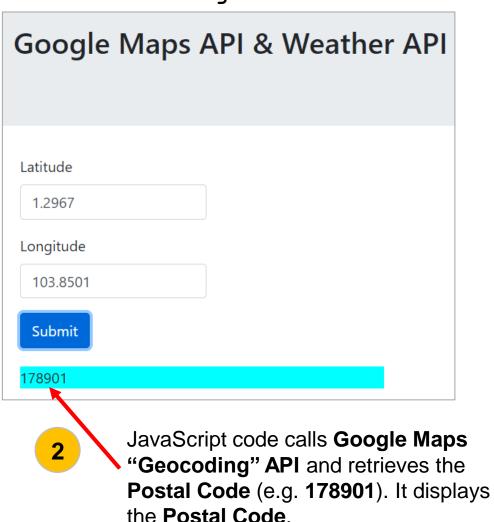
CHALLENGE #16

Challenge 16 (as is)

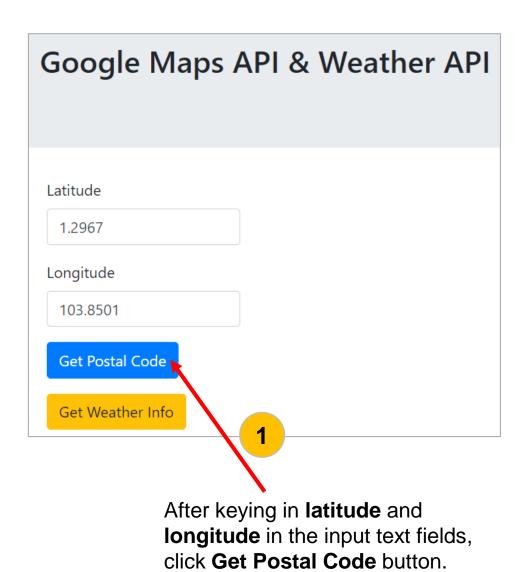
challenge16.html

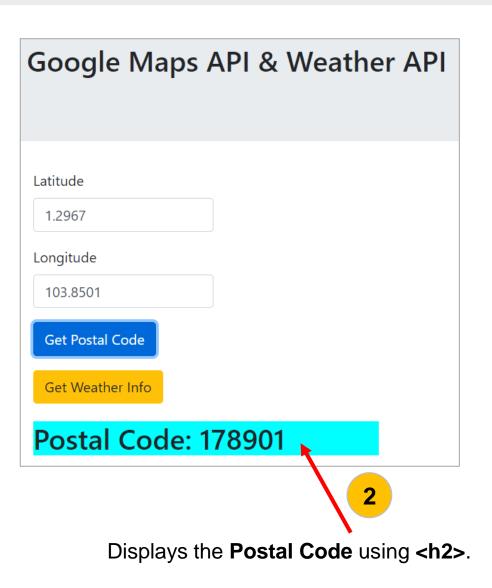


challenge16.html

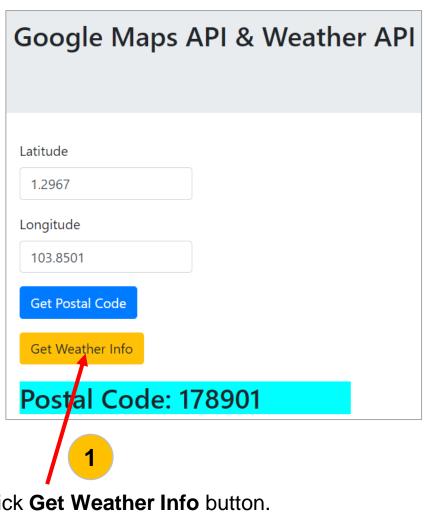


Challenge 16 (*to do #1*)





Challenge 16 (*to do #2*)

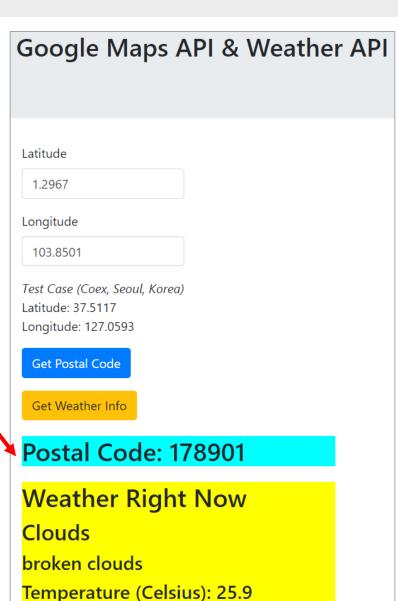


Click **Get Weather Info** button.

JavaScript code calls **OpenWeatherMap API** and retrieves and displays the Weather Information.

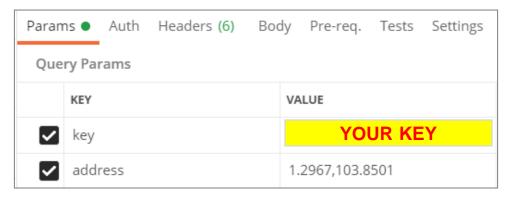
2

Note that the **temperature** is in **Celsius** (the default unit is Kelvin). Please check out the API **Documentation** to see which additional parameter you need to specify (e.g. **metric**).



Challenge 16 (test API Endpoints first)

- Base URL: https://maps.googleapis.com/maps/api/geocode/json
- Parameters

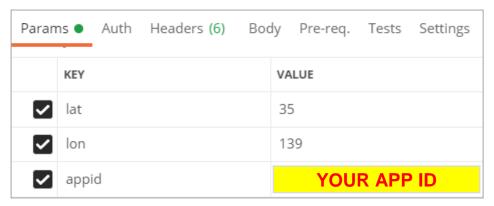


address is a combination of:

Latitude: 1.2967

Longitude: 103.8501

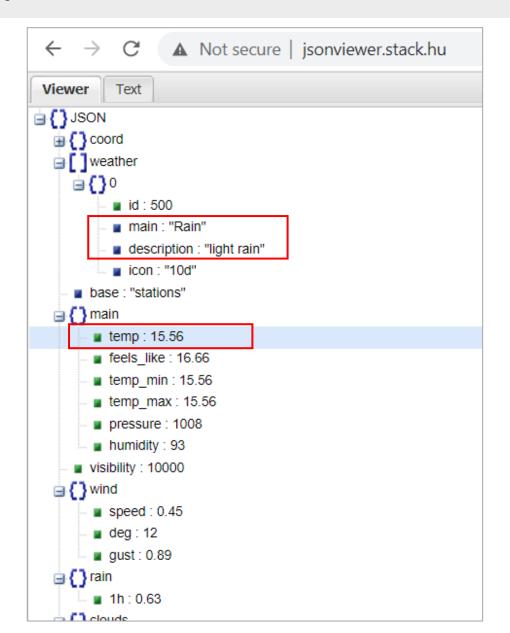
- Base URL:http://api.openweathermap.org/data/2.5/weather
- Parameters



- OpenWeatherMap API Documentation (for the above endpoint):
 - https://openweathermap.org/current

Before you start coding
Please test the API endpoints using
POSTMAN

Challenge 16 (*Current Weather – API response*)



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CHALLENGE #17

Challenge 17 (Track COVID-19 Live)

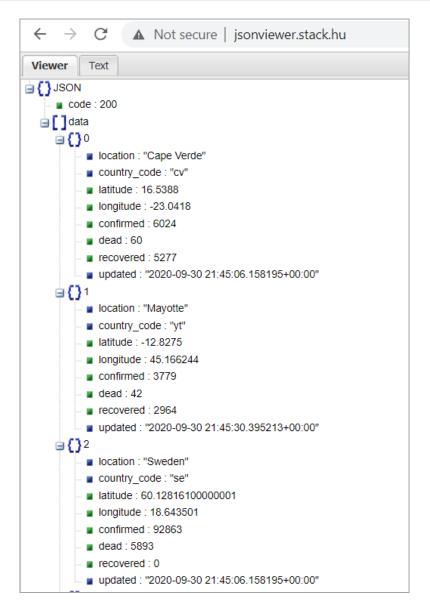
 Base URL: https://www.trackcorona.live/api/countries

Parameters: None

This Live COVID-19 Tracker API is publicly accessible without any key.

Its **countries** endpoint provides the latest **COVID-19** statistics for over 200 countries globally.





Challenge 17 (Track COVID-19 Live)

challenge17.html

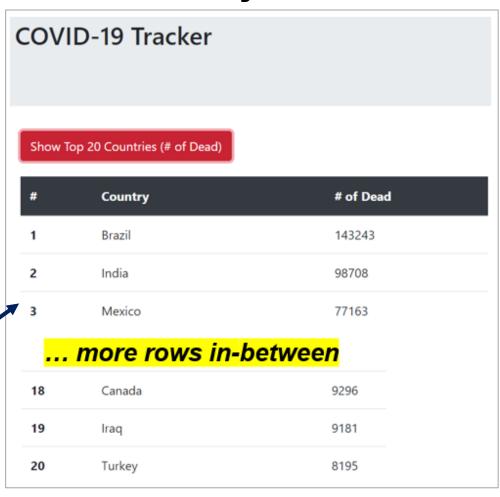
COVID-19 Tracker Show Top 20 Countries (# of Dead) Click this button

Table width 600px

JavaScript code calls **TrackCorona API** and retrieves the latest **country-level COVID-19 statistics**.

It retrieves **country name** & **# of dead**. It **sorts** the countries by the # of dead in a **descending order**. It displays the results in this table.

challenge17.html





Questions? Need Help?

Join us in Slack @

https://is216-oppa.slack.com

Thank You!