

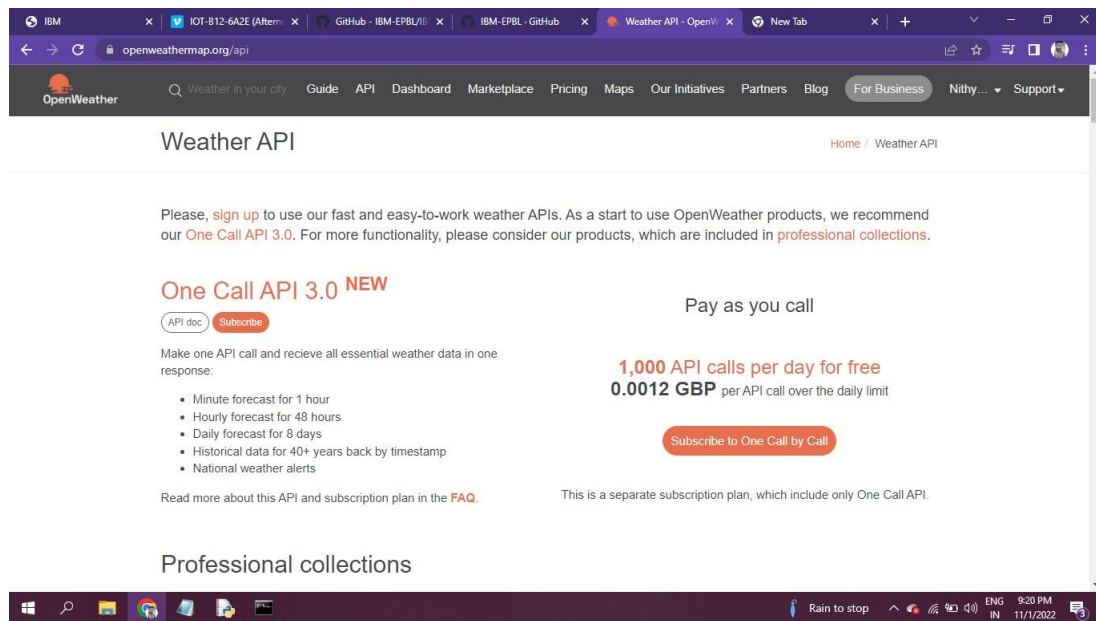
## Develop a Python script

Date	12 September 2022
Team ID	PNT2022TMID35120
Project Name	Project - Signs with smart connectivity for Better road safety
Maximum Marks	4 Marks

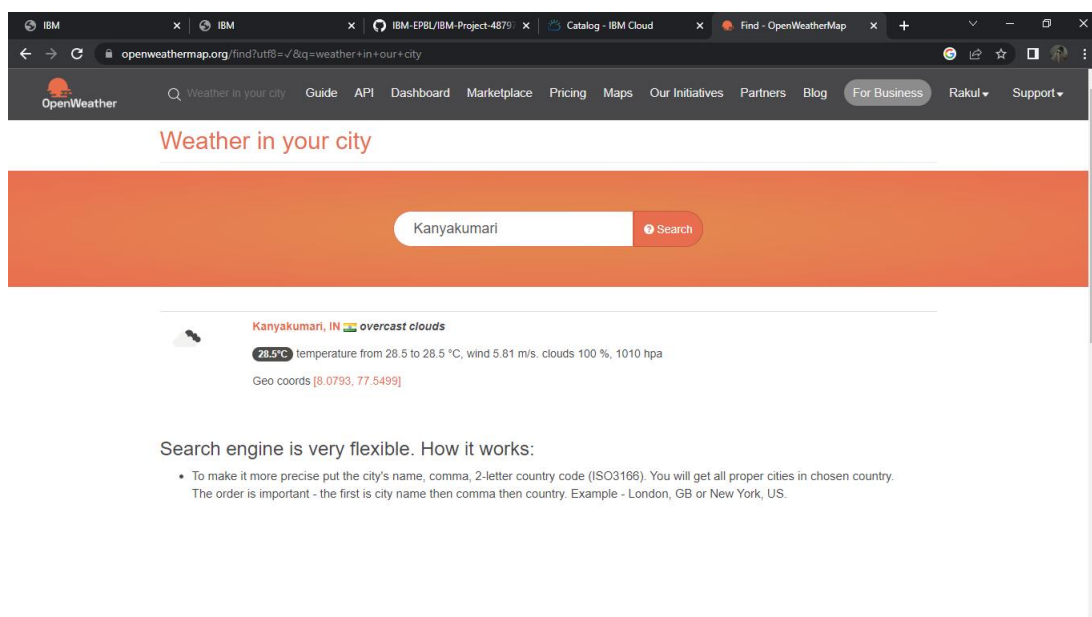
### Signs with smart connectivity for Better road safety

Create a code snippet using python to

1. Extract weather data from OpenWeatherMap using APIs
2. Send the extracted data to the cloud
3. Receive data from the cloud and view it in the python compiler



The screenshot shows the OpenWeatherMap API page. The browser tabs include IBM, IOT-812-6A2E (Afternoon), GitHub - IBM-EPBL/IBM-EPBL, GitHub - IBM-EPBL, Weather API - OpenWeatherMap, and New Tab. The page title is "Weather API" and the URL is "openweathermap.org/api". The page content includes a navigation bar with links like "Weather in your city", "Guide", "API", "Dashboard", "Marketplace", "Pricing", "Maps", "Our Initiatives", "Partners", "Blog", "For Business", "Nithy...", and "Support". The main content area features a "Weather API" section with a "Please, sign up to use our fast and easy-to-work weather APIs" message. It highlights the "One Call API 3.0 NEW" and "Pay as you call" option, offering "1,000 API calls per day for free" and "0.0012 GBP per API call over the daily limit". A "Subscribe to One Call by Call" button is visible. Below this, there's a "Professional collections" section. The Windows taskbar at the bottom shows the Start button, search bar, and several application icons, along with system tray icons for weather, network, and time (9:20 PM, 11/1/2022).



The screenshot shows the OpenWeatherMap "Weather in your city" page. The browser tabs include IBM, IBM, IBM-EPBL/IBM-Project-4879, Catalog - IBM Cloud, Find - OpenWeatherMap, and a plus sign for more tabs. The page title is "Weather in your city" and the URL is "openweathermap.org/find?utf8=%26%3Fq=weather+in+our+city". The page content includes a navigation bar with links like "Weather in your city", "Guide", "API", "Dashboard", "Marketplace", "Pricing", "Maps", "Our Initiatives", "Partners", "Blog", "For Business", "Rakul", and "Support". The main content area features a large orange search bar with the text "Kanyakumari" and a "Search" button. Below the search bar, the weather for "Kanyakumari, IN" is displayed, showing "overcast clouds" and a temperature of "28.5°C". The page also includes a "Search engine is very flexible. How it works:" section with a list of instructions for using the search engine. The Windows taskbar at the bottom shows the Start button, search bar, and several application icons, along with system tray icons for weather, network, and time (9:20 PM, 11/1/2022).

