

Develop the Python Script

(Develop a Python Script)

Date	04 November 2022
Team ID	PNT2022TMID36617
Project Name	Industry specific intelligent fire management system
Maximum Marks	4 Marks

Industry specific intelligent fire management system

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

HEMNATH S:

The screenshot shows a web browser window with the OpenWeatherMap website. The address bar displays <https://home.openweathermap.org>. A green confirmation message at the top states: "We have sent the confirmation link to hemnathajay@gmail.com. Please check your email." Below this, a navigation bar includes links for "New Products", "Services", "API keys", "Billing plans", "Payments", "Block logs", "My orders", "My profile", and "Ask a question". The main content area features a section titled "Historical weather for any location" with a description of the "Time Machine" technology and a list of features: "Historical weather data available for ANY coordinate" and "The depth of historical data have been extended to 40 YEARS". It also mentions that data can be downloaded from a "Personal account" or by "contact us". Two buttons, "Learn more" and "Go to purchase", are provided. Below this is a section titled "Weather Dashboard" with a description of the "OpenWeather Dashboard" as a lightweight and flexible visual tool. The browser's taskbar at the bottom shows various application icons and the system clock indicating 09:40 PM on 08-11-2022.

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Find - OpenWeatherMap

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https://openweathermap.org/find?utf8=✓&q=Chennai

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Weather in your city

Chennai

🔍 Search



Chennai, IN  *mist*

26°C

temperature from 26 to 26 °C, wind 1.03 m/s, clouds 75 %, 1012 hpa

Geo coords [13.0878, 80.2785]

Search engine is very flexible. How it works:

- To make it more precise put the city's name, comma, 2-letter country code (ISO3166). You will get all proper cities in chosen country. The order is important - the first is city name then comma then country. Example - London, GB or New York, US.

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ENG

09:40 PM

08-11-2022

📧

NARAYANAN S:

The screenshot shows the OpenWeather website in a web browser. The browser's address bar displays the URL <https://home.openweathermap.org>. The website's navigation bar includes links for Guide, API, Dashboard, Marketplace, Pricing, Maps, Our Initiatives, Partners, Blog, For Business, and Support. A green confirmation message at the top states: "We have sent the confirmation link to narayananhm564@gmail.com. Please check your email." Below this, a horizontal menu lists various services: New Products, Services, API keys, Billing plans, Payments, Block logs, My orders, My profile, and Ask a question. The main content area features a large image of a sunset over a body of water. To the right of the image, the heading "Historical weather for any location" is displayed in orange. Below the heading, a paragraph explains that the new technology, Time Machine, has enhanced the data in the Historical Weather Collection. A bulleted list highlights two key features: "Historical weather data available for ANY coordinate" and "The depth of historical data have been extended to 40 YEARS". A note indicates that data can be downloaded from a Personal account or by contacting the service. Two orange buttons, "Learn more" and "Go to purchase", are positioned at the bottom of this section. Further down, the "Weather Dashboard" section is visible, featuring a graphic of interlocking gears and a brief description of the dashboard as a lightweight and flexible visual tool.

KARUNAGARAN G:

This screenshot shows the OpenWeather website with a confirmation message for Karunakaran G. The browser's address bar shows the URL <https://home.openweathermap.org>. The navigation bar is identical to the previous screenshot. The confirmation message at the top reads: "We have sent the confirmation link to karunakaran148311@gmail.com. Please check your email." The same horizontal menu and main content area are present, including the sunset image, the "Historical weather for any location" section with its descriptive text and bullet points, and the "Weather Dashboard" section. The layout and design elements are consistent with the previous screenshot, with the only change being the email address in the confirmation message.

AKILAN R:

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https://home.openweathermap.org

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OpenWeather

Weather in your city

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We have sent the confirmation link to akilanr907@gmail.com. Please check your email.

New Products Services API keys Billing plans Payments Block logs My orders My profile Ask a question



Historical weather for any location

Our new technology, Time Machine, has allowed us to enhance the data in the [Historical Weather Collection](#).

- Historical weather data available for **ANY** coordinate
- The depth of historical data have been extended to **40 YEARS**

You can download data from [Personal account](#) or [contact us](#) to order it.

Learn moreGo to purchase



Weather Dashboard

The [OpenWeather Dashboard](#) is a lightweight and flexible visual tool for our customers who would like to be notified weather events to make informed decisions and plan actions based on the weather input.

Windows taskbar icons: Start, Search, Settings, Word, File Explorer, Firefox, Chrome, Edge, VLC.

System tray: Network, Volume, Battery, Language (ENG), Time (09:53 PM), Date (08-11-2022), Notifications (1).