Write Up:

To use the OpenWeatherMap API to get the current weather for Bangalore appid parameter is unique for each user and needs to be obtained from the OpenWeatherMap website after signing up. Here's how you can use Postman to make this API request:

1.Open Postman:

open Postman on your computer.

2.Creating a New Request:

To create a new API request to OpenWeatherMap, follow these steps:

Click on the "New" button in the upper left corner.

Choose "Request" from the dropdown menu.

3.Setting Up the Request:

Configure the request to get the current weather for Bangalore:

Request Name: Give your request a name, such as "OpenWeatherMap - Current Weather".

HTTP Method: Select "GET" from the dropdown menu.

Request URL: Enter the OpenWeatherMap API URL, like the one you provided:

bash

https://api.openweathermap.org/data/2.5/weather?q=Bangalore&appid=YOUR\_APP\_ID

Replace YOUR\_APP\_ID with the actual API key you obtained from the OpenWeatherMap website.

Headers: You don't need any custom headers for this request.

4.Sending the Request:

After setting up the request:

5.Click the "Send" button to send the API request.

6.Viewing the Response:

Once the request is sent, you'll see the response in the lower part of the Postman interface. The response will include information about the current weather in Bangalore in JSON format.

7.Saving the Request (Optional):

If you want to save this request for future use:

8.Click the "Save" button next to the request name.

Choose an existing collection or create a new one.

Add a name and description for the request in the collection.

Click "Save to [Collection Name]".

9.Navigate to the "Tests" Tab:

In the request interface, there are tabs at the top. Click on the "Tests" tab to switch to the script editor.

10.Write Your Test Script:

In the "Tests" tab, you can write JavaScript code to validate aspects of the API response. Here's an example of a basic test script that validates the status code and checks if the response contains necessary fields

In this script:

11.We use pm.test() to define individual test cases.

pm.response.to.have.status(200) checks if the status code is 200 OK.

We parse the response body as JSON using pm.response.json().

We use pm.expect() to assert the presence of specific fields in the JSON response.

12.Save the Request with the Test Script (Optional):

If you want to save the test script along with the request:

13.Click the "Save" button next to the request name.

Choose an existing collection or create a new one.

Add a name and description for the request in the collection.

Click "Save to [Collection Name]".

14.Send the Request and Run the Tests:

After writing the test script:

15.Click the "Send" button to send the API request.

Postman will automatically run the test script after receiving the response.

The test results will be displayed in the "Tests" tab, indicating whether the tests passed or failed.