API Clients Using Postman to Get Weather Report.

***GithubLink:*** https://github.com/ganeshchilukuri/Phase3Projects

***OpenWeatherAPI Postman Collection:***

The "OpenWeatherAPI" Postman collection is a meticulously crafted suite designed to streamline interactions with the OpenWeatherAPI. Its structure reflects a thoughtful consideration of diverse use cases for retrieving weather information. Here are the key components:

***Collection Information:***

The collection is identified by a unique Postman ID (25cde853-619e-40f2-98fe-4e911f2036ca) and an associated exporter ID (31715036).

Adheres to the Postman collection schema version 2.1.0, ensuring compatibility and interoperability.

Collection Items:

a. getcitynamebyname:

Executes a GET request to obtain weather data based on the city name.

Utilizes pre-request scripts for dynamic setup of environment and global variables.

b. getcitybyId:

Initiates a GET request for weather information based on city ID.

c. getWeatherLatLon:

Engages in a GET request to fetch weather details using latitude and longitude.

d. getbyLang:

Executes a GET request, incorporating language specifications for weather data retrieval.

***Collection Events:***

Leverages pre-request scripts in the "Prerequest Event" for initializing essential variables.

Includes a placeholder "Test Event" for potential future testing scripts.

***Collection Variables:***

Features a variable named "apikey," denoting a string type without a predefined value.

***QA\_Environment Configuration:***

The associated environment, named "QA\_Environment," serves as a crucial component for configuring variables, ensuring adaptability across different testing environments.

***Environment Details:***

Named "QA\_Environment," reflecting its purpose in facilitating quality assurance testing.

Exported at a specific timestamp (2023-12-14T11:15:02.240Z) using Postman version 10.21.2.

Environment Variables:

a. Base\_URL:

A default variable for holding the base URL of the OpenWeatherAPI.

b. apikey\_env:

A default variable acting as a placeholder for the API key in the environment.

c. BaseURLDemo:

Another default variable serving as an additional placeholder for the base URL.

d. city and City:

Variables of type "any" designed for flexibility in handling city names.

e. global\_var1:

A variable of type "any" representing a global placeholder variable.

***Summary:***

The "OpenWeatherAPI" Postman collection, coupled with the "QA\_Environment" configuration, embodies a robust and adaptable testing infrastructure. Through well-defined requests, dynamic variable management, and thoughtful pre-request scripts, this collection emerges not merely as a set of API interactions but as a versatile tool capable of addressing varied testing scenarios across diverse environments. The meticulous structuring of both the collection and environment

underscores a commitment to efficiency, flexibility, and ease of use in the realm of OpenWeatherAPI testing.