Creating Well-Structured .Output for API Clients Using Postman to Get Weather Report.

Description

You are asked to create a well-structured output for their API client using Postman, which will hit that URL and get a detailed report on the weather in a quicker way.

Background of the problem statement:

To get the weather report in a well-structured output, we need to have a set of APIs of the weather application and automatable tool like Postman.

You must use the following:

- Postman
- Endpoint URL(https://samples.openweathermap.org/data/2.5/weather?q=London,uk&appid=b6907d289e10d714a6e88b30761fae22)

Source code:-

Weather Api:-

```
{
        "info": {
                "_postman_id": "25cde853-619e-40f2-98fe-4e911f2036ca",
                "name": "OpenWeatherAPI",
                "schema": "https://schema.getpostman.com/json/collection/v2.1.0/collection.json",
                "_exporter_id": "31715036"
        },
        "item": [
                {
                        "name": "getcitynamebyname",
                        "event": [
                                {
                                        "listen": "prerequest",
                                        "script": {
                                                "exec": [
                                                        "pm.environment.set(\"City\",\"Hyderabad\");//Environment variable\r",
                                                        "\r",
                                                        "pm.globals.set(\"global_var2\",\"global-2\");//Global variable"
```

```
                    ],
                    "type": "text/javascript"
                }
            }
        ],
        "request": {
            "method": "GET",
            "header": [],
            "url": {
                "raw":
"{{Base_URL}}?q={{City}}&APPID={{global_api_key}}&units=metric",
                "host": [
                    "{{Base_URL}}"
                ],
                "query": [
                    {
                        "key": "q",
                        "value": "{{City}}"
                    },
                    {
                        "key": "APPID",
                        "value": "{{global_api_key}}"
                    },
                    {
                        "key": "units",
                        "value": "metric"
                    }
                ]
            }
        },
        "response": []
    },
```

```json
{
    "name": "getcitybyId",
    "request": {
        "method": "GET",
        "header": [],
        "url": {
            "raw": "{{Base_URL}}?id=1261481&appid={{global_api_key}}",
            "host": [
                "{{Base_URL}}"
            ],
            "query": [
                {
                    "key": "id",
                    "value": "1261481"
                },
                {
                    "key": "appid",
                    "value": "{{global_api_key}}"
                }
            ]
        }
    },
    "response": []
},
{
    "name": "getWeatherLatLon",
    "request": {
        "method": "GET",
        "header": [],
        "url": {
```

```
                                        "raw":
"{{Base_URL}}?lat=28.61&lon=77.20&appid={{global_api_key}}",
                                        "host": [
                                                "{{Base_URL}}"
                                        ],
                                        "query": [
                                                {
                                                        "key": "lat",
                                                        "value": "28.61"
                                                },
                                                {
                                                        "key": "lon",
                                                        "value": "77.20"
                                                },
                                                {
                                                        "key": "appid",
                                                        "value": "{{global_api_key}}"
                                                }
                                        ]
                                }
                        },
                        "response": []
                },
                {
                        "name": "getbyLang",
                        "request": {
                                "method": "GET",
                                "header": [],
                                "url": {
                                        "raw":
"{{Base_URL}}?id=524901&lang=fr&appid={{global_api_key}}",
                                        "host": [
```

```json
                                "{{Base_URL}}"
                            ],
                            "query": [
                                {
                                    "key": "id",
                                    "value": "524901"
                                },
                                {
                                    "key": "lang",
                                    "value": "fr"
                                },
                                {
                                    "key": "appid",
                                    "value": "{{global_api_key}}"
                                }
                            ]
                        }
                    },
                    "response": []
                }
            ],
            "event": [
                {
                    "listen": "prerequest",
                    "script": {
                        "type": "text/javascript",
                        "exec": [
                            ""
                        ]
                    }
                },
                {
```

```
                    "listen": "test",
                    "script": {
                            "type": "text/javascript",
                            "exec": [
                                    ""
                            ]
                    }
            }
    ],
    "variable": [
            {
                    "key": "apikey",
                    "value": "",
                    "type": "string"
            }
    ]
}
```

Environment:-

```
{
    "id": "8ad64719-f48d-4ff1-a32a-81d19f31c5d6",
    "name": "QA_Environment",
    "values": [
            {
                    "key": "Base_URL",
                    "value": "",
                    "type": "default",
                    "enabled": true
            },
            {
                    "key": "apikey_env",
                    "value": "",
```

                "type": "default",

                "enabled": true

        },

        {

                "key": "BaseURLDemo",

                "value": "",

                "type": "default",

                "enabled": true

        },

        {

                "key": "city",

                "value": "",

                "type": "any",

                "enabled": true

        },

        {

                "key": "City",

                "value": "",

                "type": "any",

                "enabled": true

        },

        {

                "key": "global_var1",

                "value": "",

                "type": "any",

                "enabled": true

        }

    ],

    "_postman_variable_scope": "environment",

    "_postman_exported_at": "2023-12-14T11:15:02.240Z",

    "_postman_exported_using": "Postman/10.21.2"

}