Phase 3 Practice Project: Creating Well-Structured .Output for API Clients Using Postman to Get Weather Report.

Write Up:

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

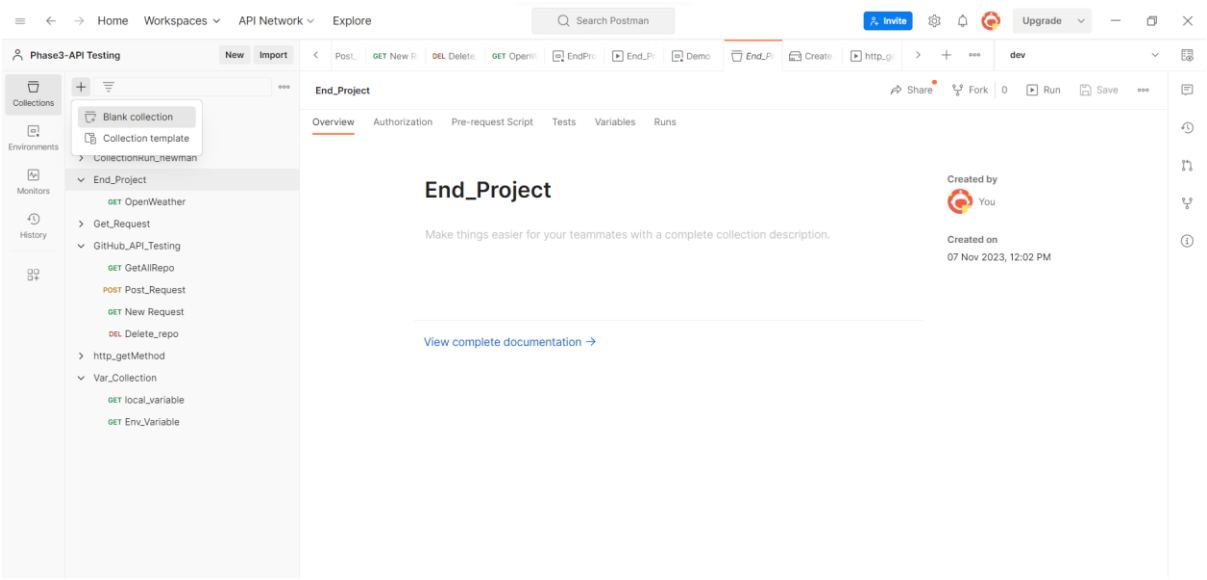
Endpoint URL(https://samples.openweathermap.org/data/2.5/weather?q=London,uk&appid=b6907d289e10d714a6e88b30761fae22)

The following requirements should be met:

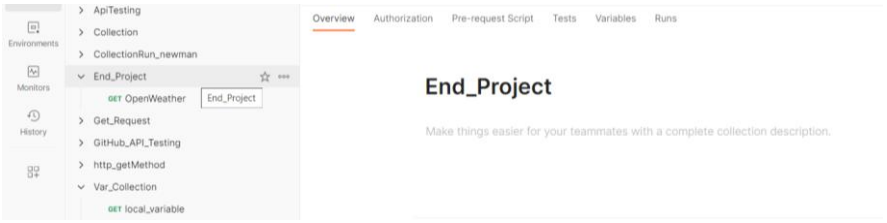
- A few of the source codes should be tracked on GitHub repositories. You need to document the tracked files that are ignored during the final push to the GitHub repository.
- The submission of your GitHub repository link is mandatory. In order to track your task, you need to share the link of the repository in the document.
- The step-by-step process involved in completing this task should be documented.

Source code: for practice project

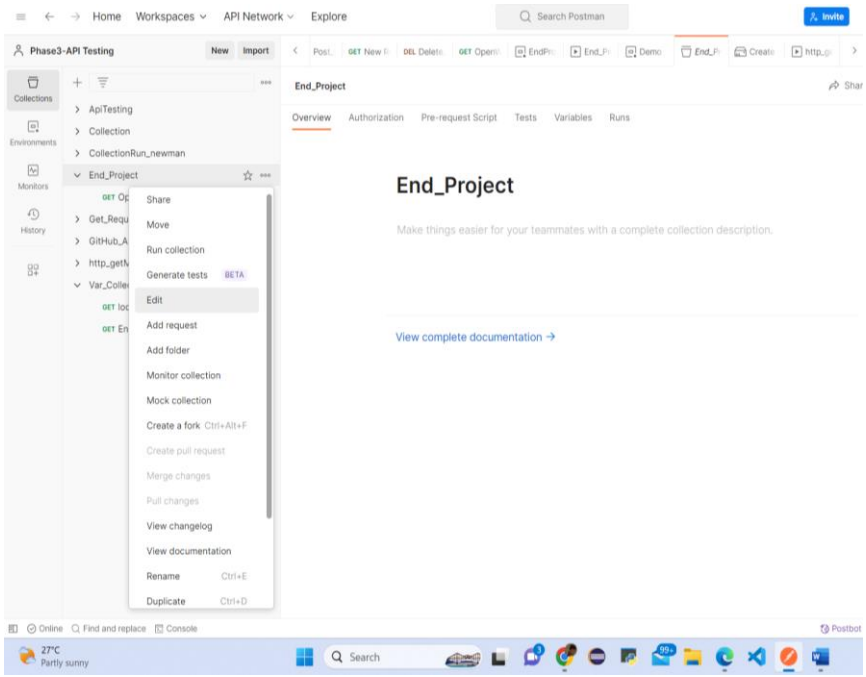
First go to collection area add blank collection



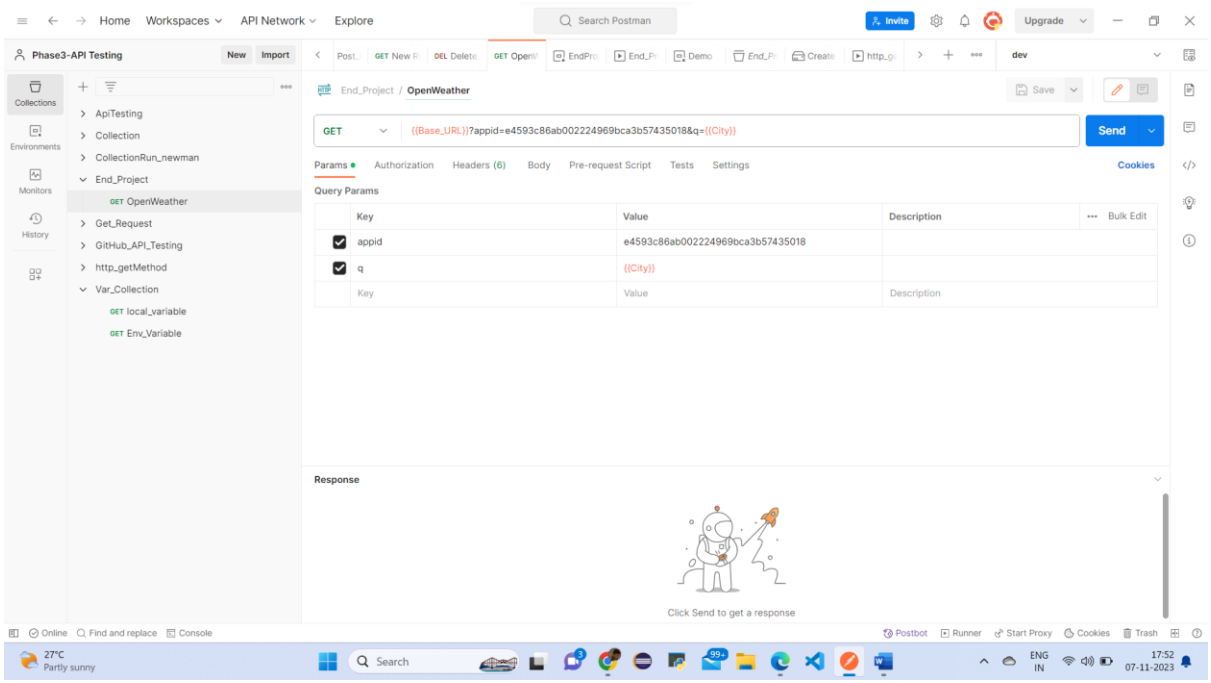
collection and put name as Lesson2- end project successfully lesson2-project are created.



And lesson2-end project have 3 dots click on 3 dots have add request click on add request

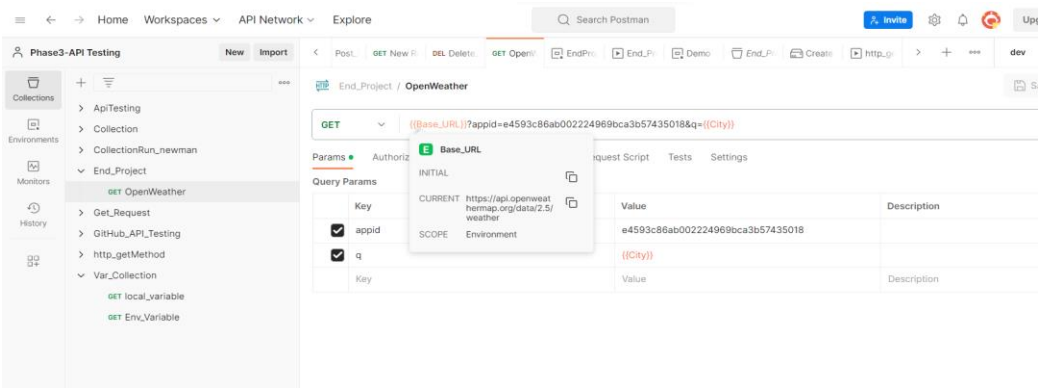


And put name as openweather req



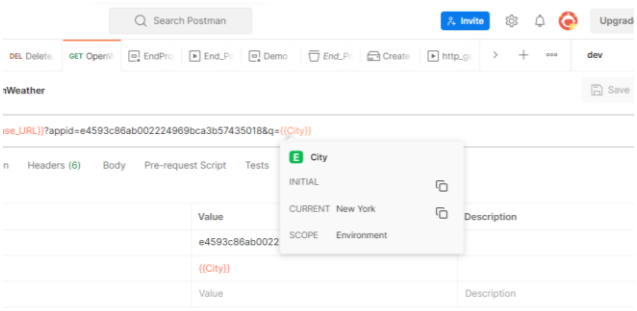
Add request name as openweatherreq in this below part select GET method & put URL

{{Base_URL}}?appid=e4593c86ab002224969bca3b57435018&q={{City}}

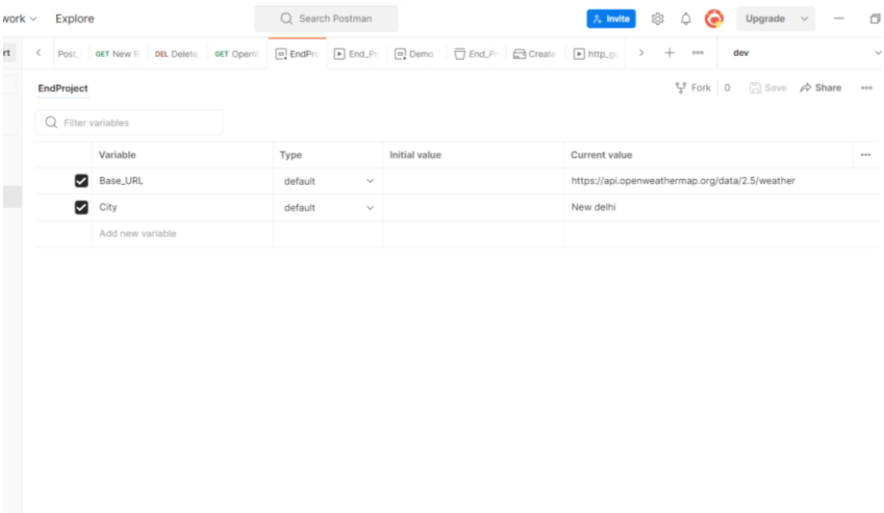


Take {{Base_URL}} is =https://api.openweathermap.org/data/2.5/weather

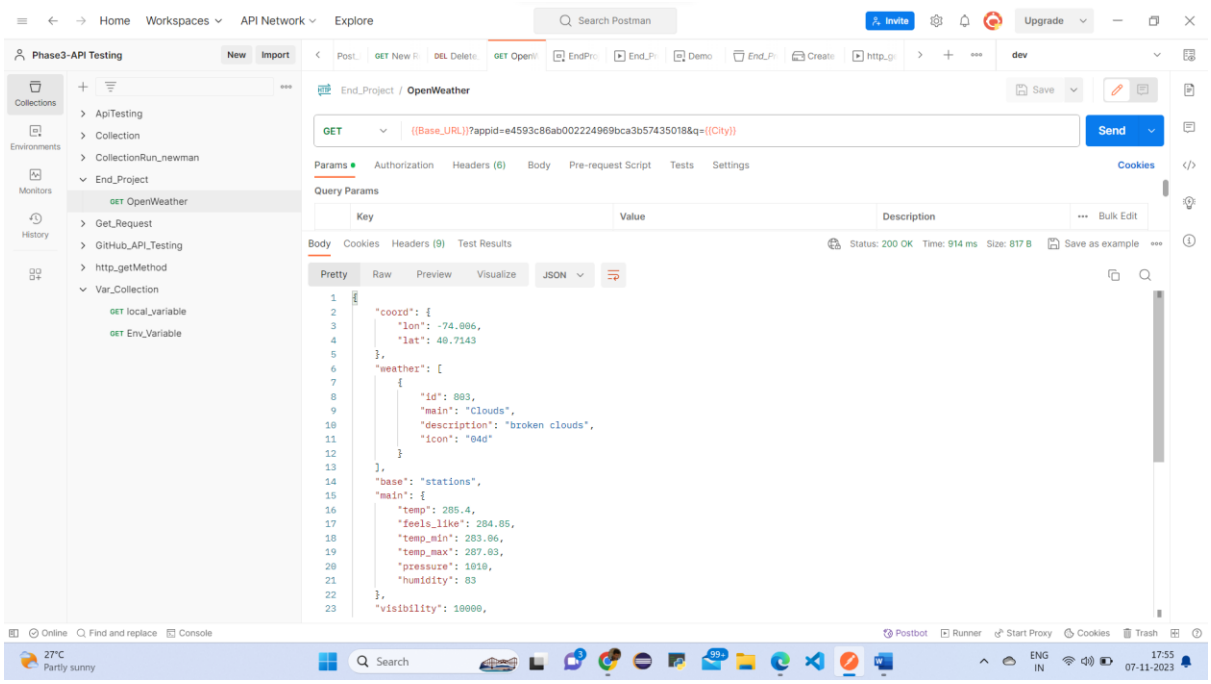
Take {{city}}=New York



And create a environment variable for lesson2 – project put name as project - variables

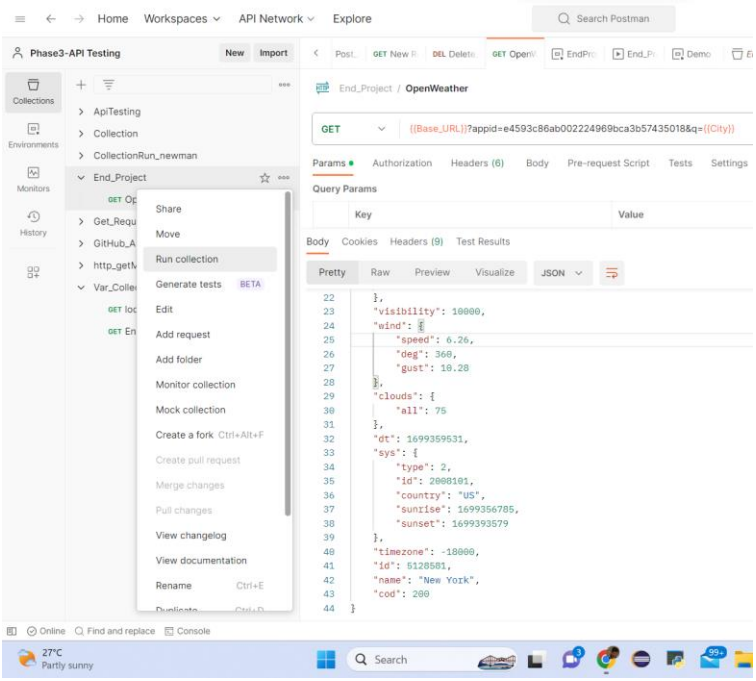


In this variables put name as Base_URL, city and select project – variables in collection area

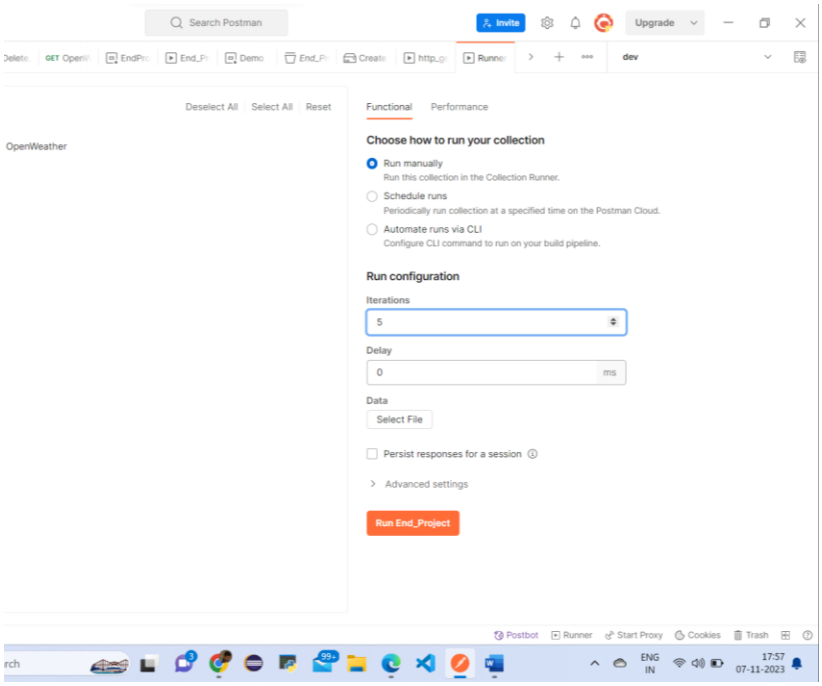



```
{
    "coord": {
        "lon": -74.006,
        "lat": 40.7143
    },
    "weather": [
        {
            "id": 803,
            "main": "Clouds",
            "description": "broken clouds",
            "icon": "04d"
        }
    ],
    "base": "stations",
    "main": {
        "temp": 285.4,
        "feels_like": 284.85,
        "temp_min": 283.06,
        "temp_max": 287.03,
        "pressure": 1010,
        "humidity": 83
    },
    "visibility": 10000,
    "wind": {
        "speed": 6.26,
        "deg": 360,
        "gust": 10.28
    },
    "clouds": {
        "all": 75
    },
    "dt": 1699359531,
```

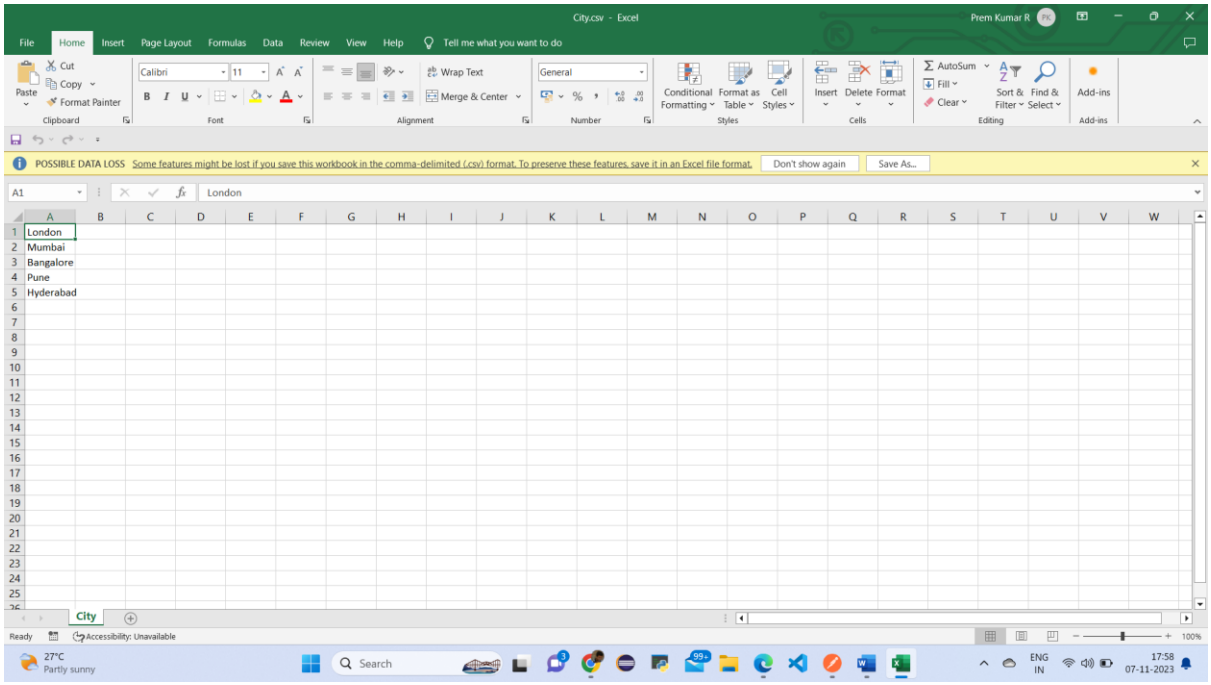
```
    "sys": {
        "type": 2,
        "id": 2008101,
        "country": "US",
        "sunrise": 1699356785,
        "sunset": 1699393579
    },
    "timezone": -18000,
    "id": 5128581,
    "name": "New York",
    "cod": 200
}
```

Click Lesson2-end project click on 3 dots have run collection

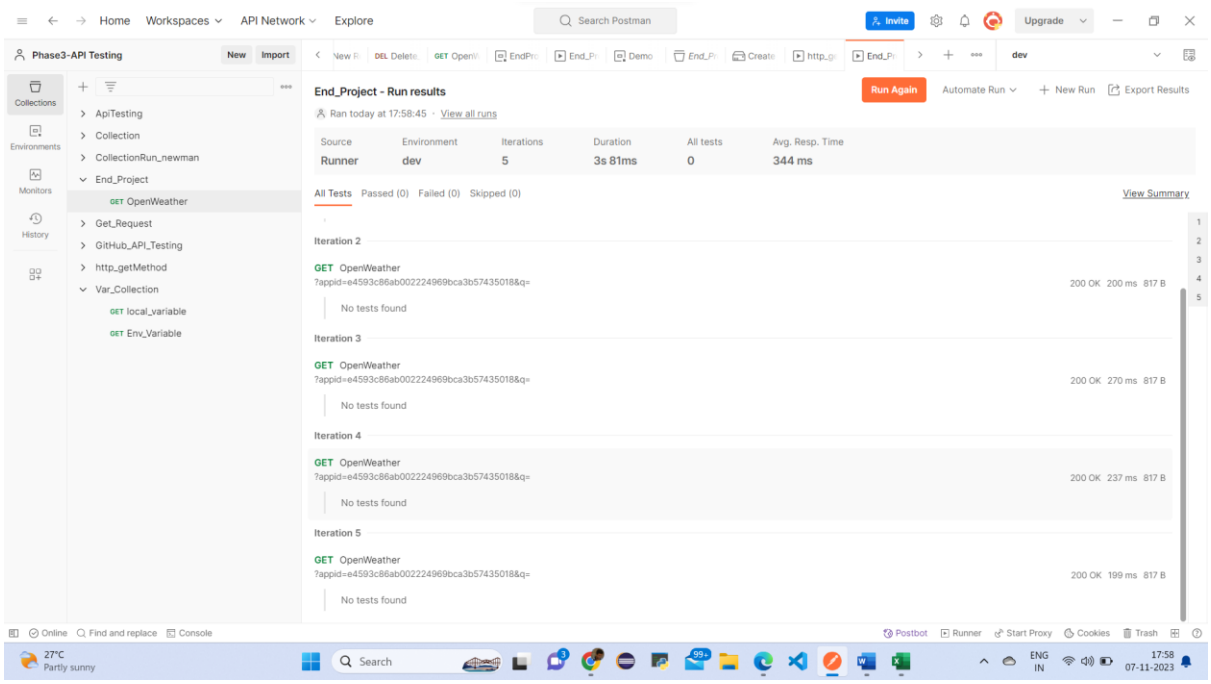


First create one excel and enter 5 cities names



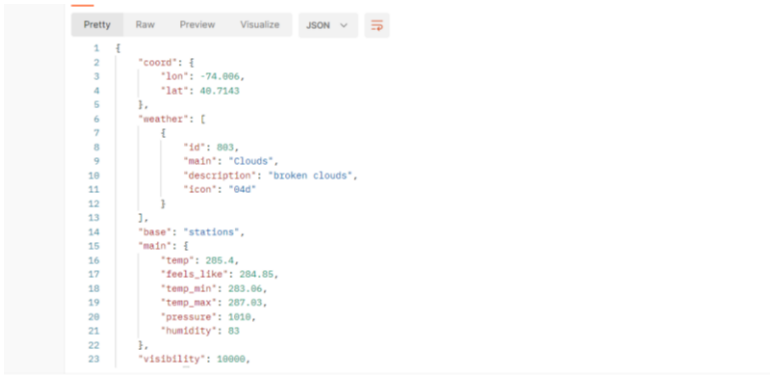
Save this file as cities & and save this excel in css & delimeter & save as in desktop folder

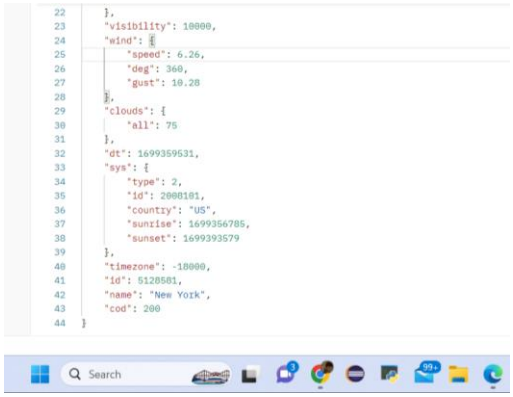
Run this results



This above picture is summary report

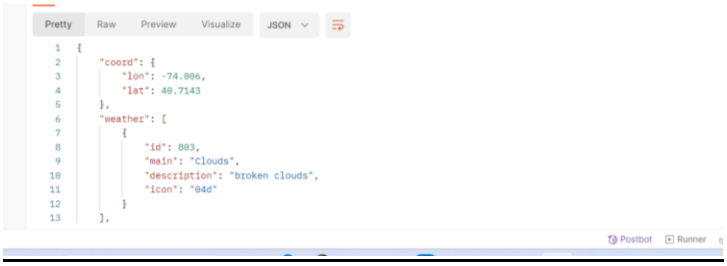
Final output Result is

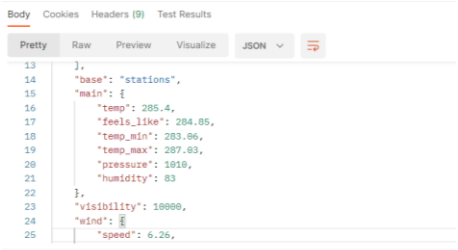


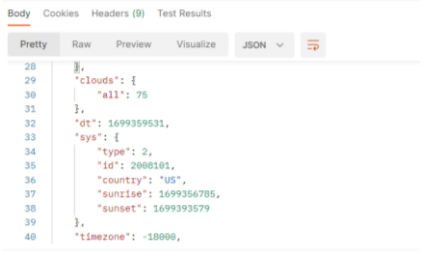


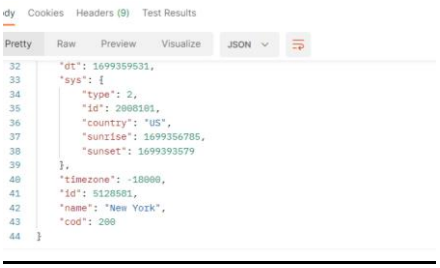
This is final result output.

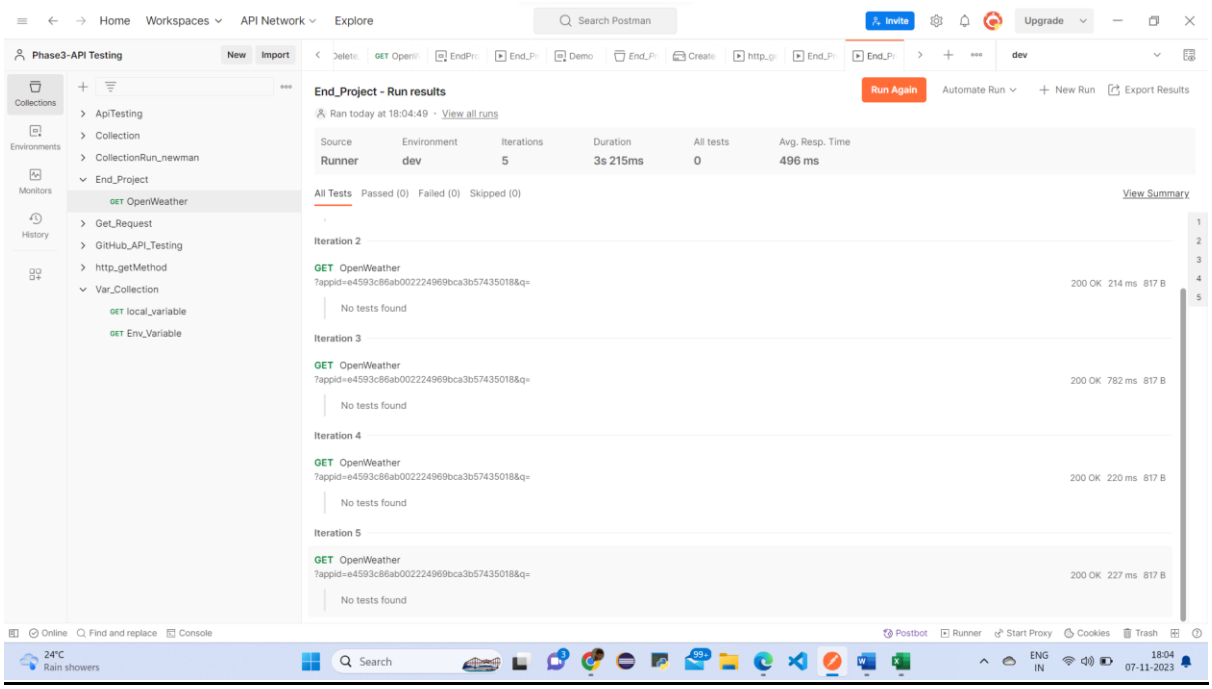
Screen Shots










Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
Phase3-API Testing
New
Import
Collections
Environments
Monitors
History
ApiTesting
Collection
CollectionRun_newman
End_Project
GET OpenWeather
Get_Request
GitHub_API_Testing
http_getMethod
Var_Collection
GET local_variable
GET Env_Variable
dev
End_Project - Run results
Run Again
Automate Run
New Run
Export Results
Ran today at 18:04:49 · View all runs
Source
Runner
Environment
dev
Iterations
5
Duration
3s 215ms
All tests
0
Avg. Resp. Time
496 ms
All Tests
Passed (0)
Failed (0)
Skipped (0)
View Summary
Iteration 2
GET OpenWeather
?appid=e4593c86ab002224969bca3b57435018&q=
200 OK 214 ms 817 B
No tests found
Iteration 3
GET OpenWeather
?appid=e4593c86ab002224969bca3b57435018&q=
200 OK 782 ms 817 B
No tests found
Iteration 4
GET OpenWeather
?appid=e4593c86ab002224969bca3b57435018&q=
200 OK 220 ms 817 B
No tests found
Iteration 5
GET OpenWeather
?appid=e4593c86ab002224969bca3b57435018&q=
200 OK 227 ms 817 B
No tests found
Online
Find and replace
Console
Postbot
Runner
Start Proxy
Cookies
Trash
24°C
Rain showers
Search
ENG
IN
18:04
07-11-2023