**Write up for practice project:**

**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>)

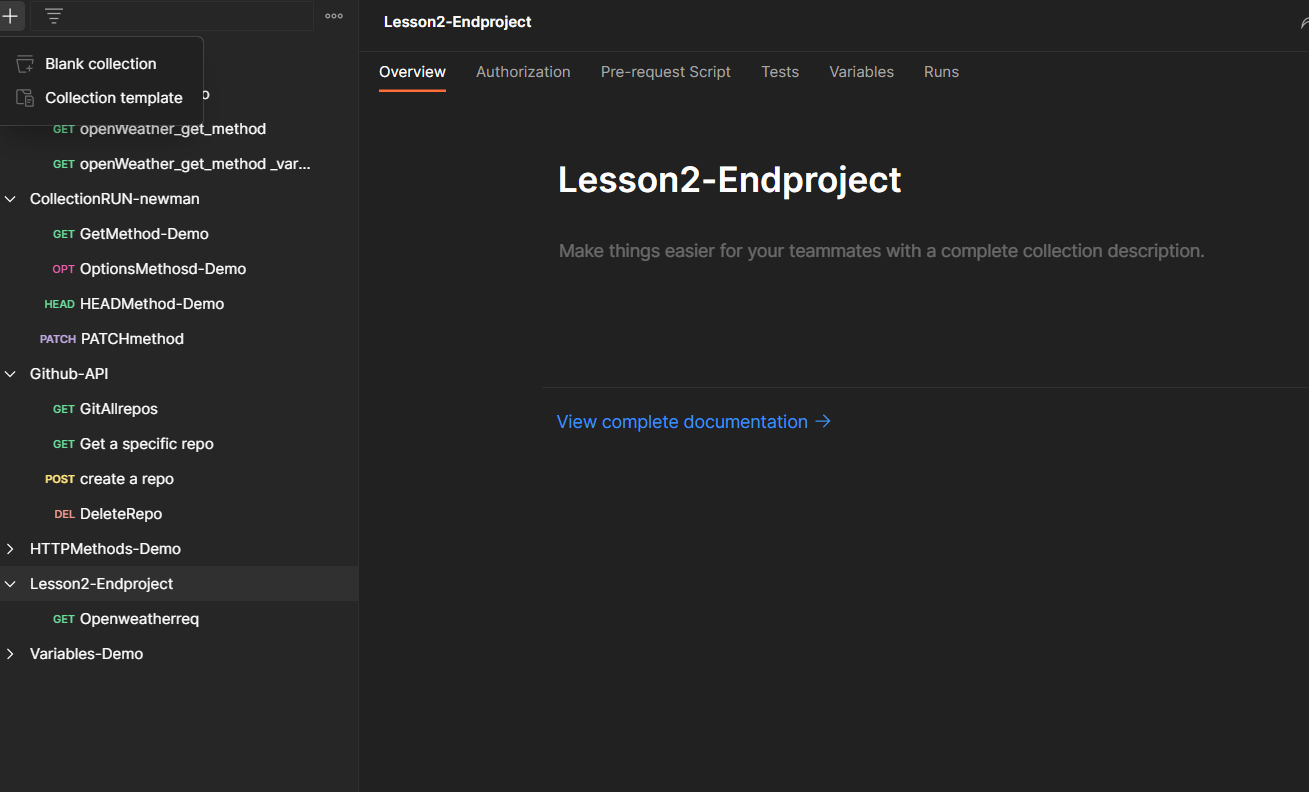
**The following requirements should be met:**

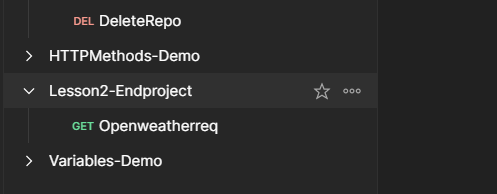
●        A few of the source codes should be tracked on GitHub repositories. You need to document the tracked files that are ignored during the final push to the GitHub repository.

●        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.

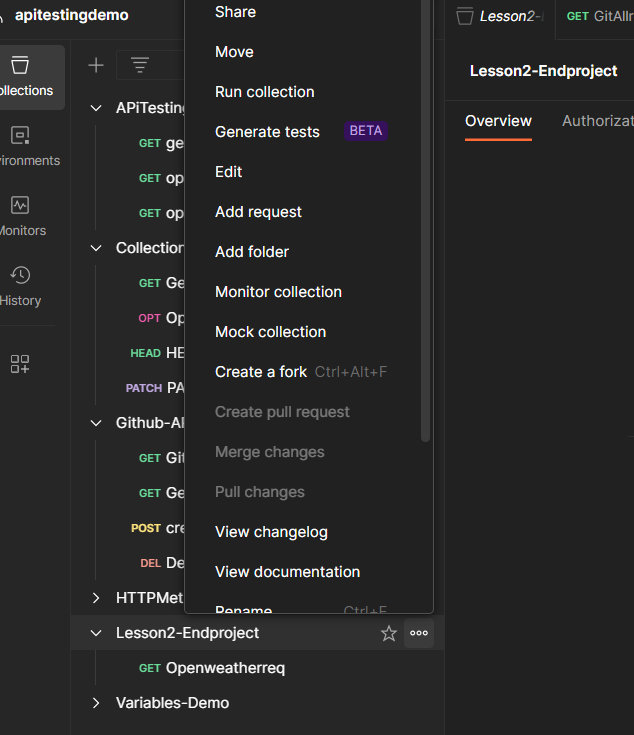
●        The step-by-step process involved in completing this task should be documented.

**Source code: for practice project**

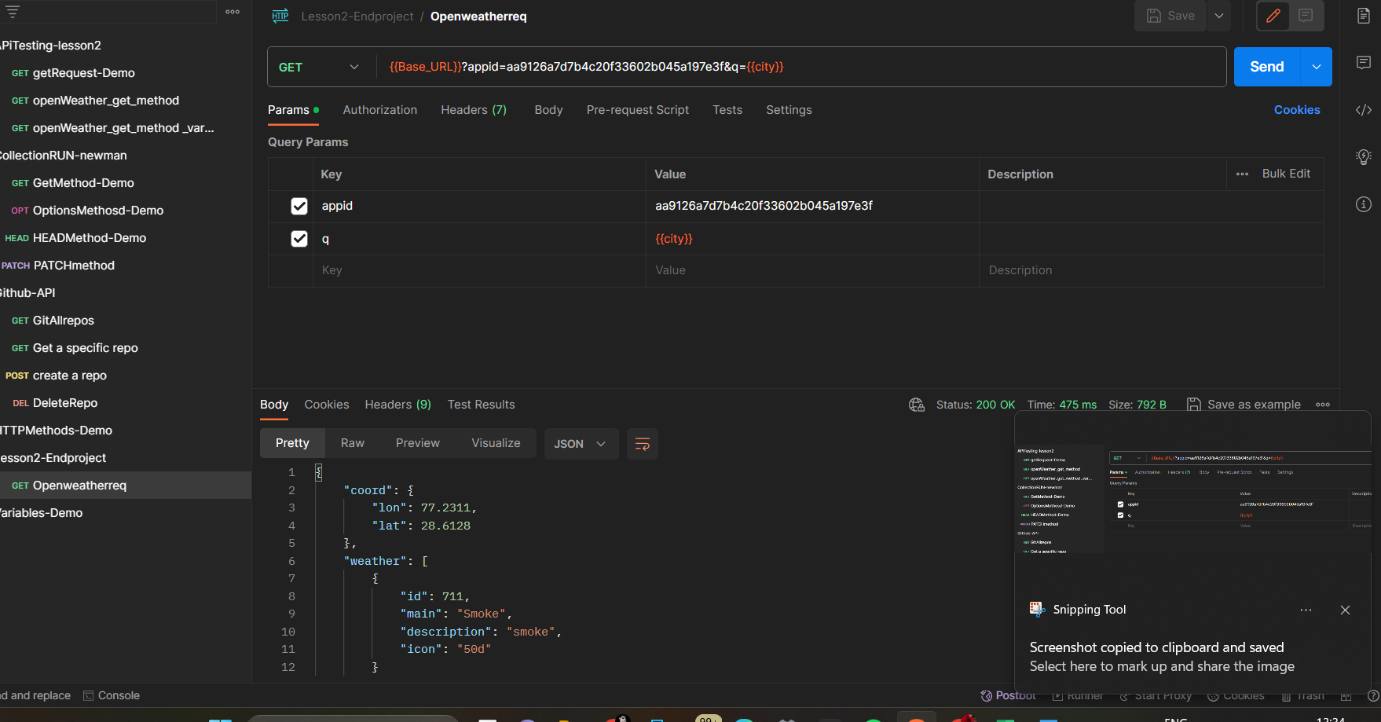
First go to collection area add blank collection  collection and put name as Lesson2- end project successfully lesson2-project are created.



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

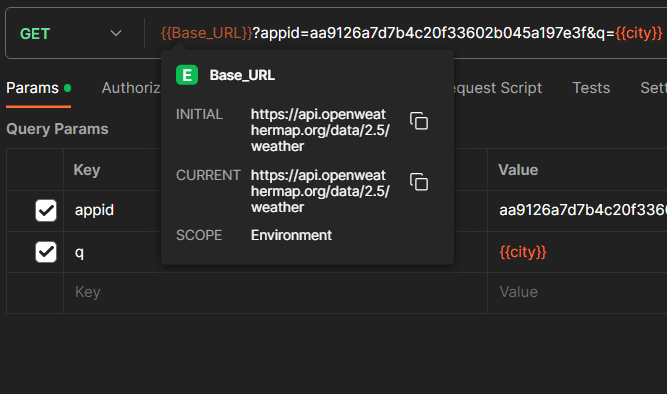


And put name as openweather req



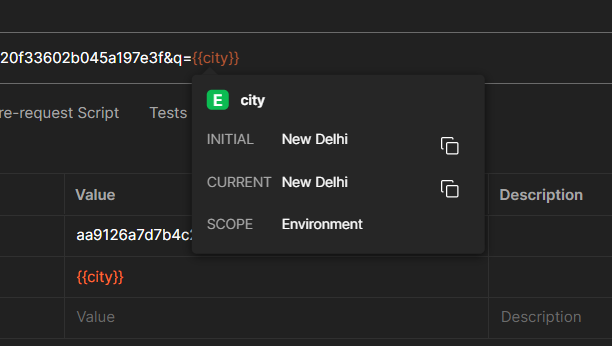
Add request name as openweatherreq in this below part select GET method & put URL

{{Base\_URL}}?appid=aa9126a7d7b4c20f33602b045a197e3f&q={{city}}

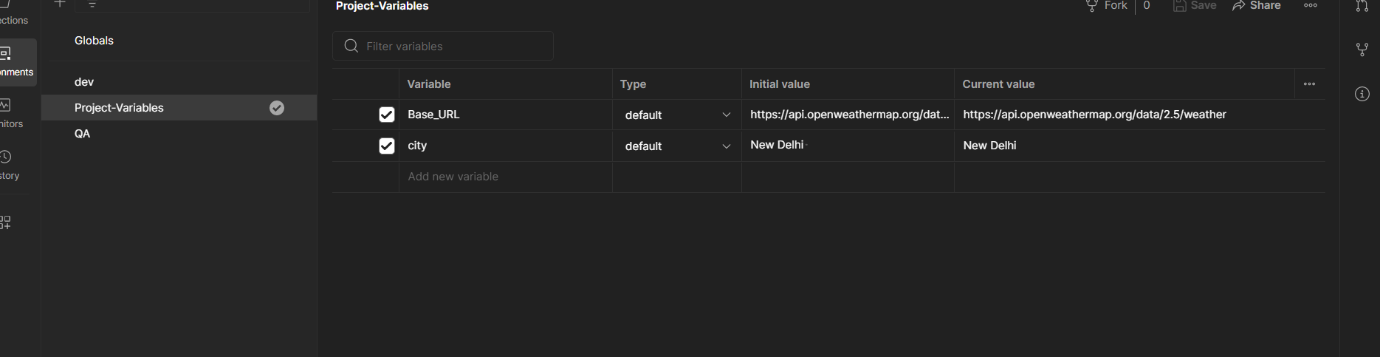


Take {{Base\_URL}} is =https://api.openweathermap.org/data/2.5/weather

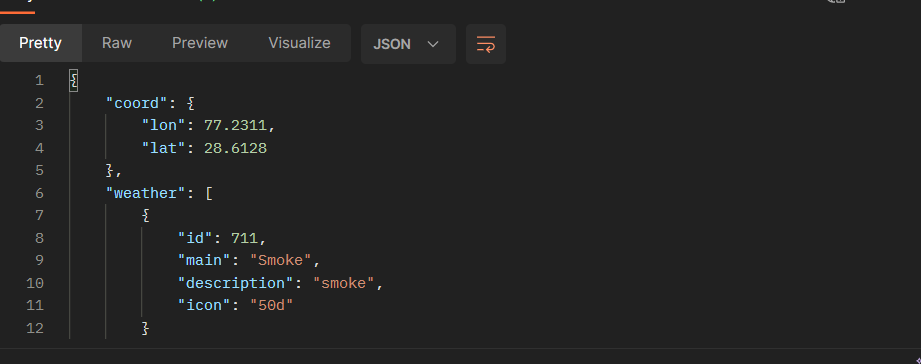
Take {{city}}=New York



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": 77.2311,

"lat": 28.6128

},

"weather": [

{

"id": 711,

"main": "Smoke",

"description": "smoke",

"icon": "50d"

}

],

"base": "stations",

"main": {

"temp": 302.24,

"feels\_like": 301.76,

"temp\_min": 302.24,

"temp\_max": 302.24,

"pressure": 1017,

"humidity": 39

},

"visibility": 1500,

"wind": {

"speed": 2.06,

"deg": 180

},

"clouds": {

"all": 0

},

"dt": 1699339506,

"sys": {

"type": 1,

"id": 9165,

"country": "IN",

"sunrise": 1699319221,

"sunset": 1699358546

},

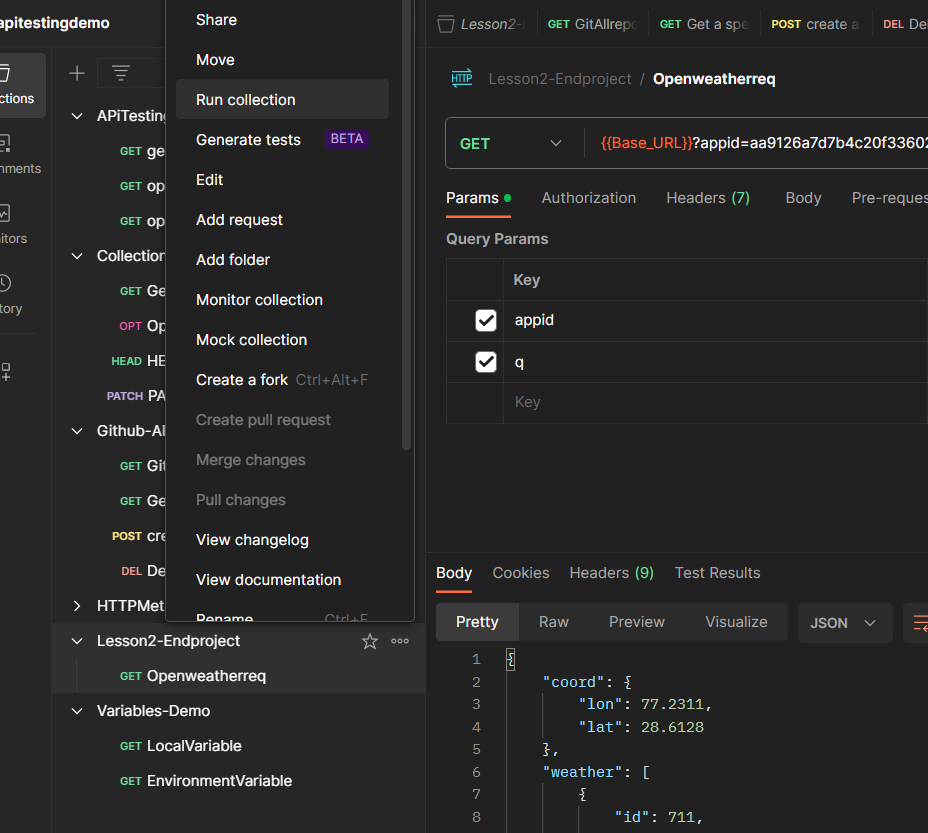
"timezone": 19800,

"id": 1261481,

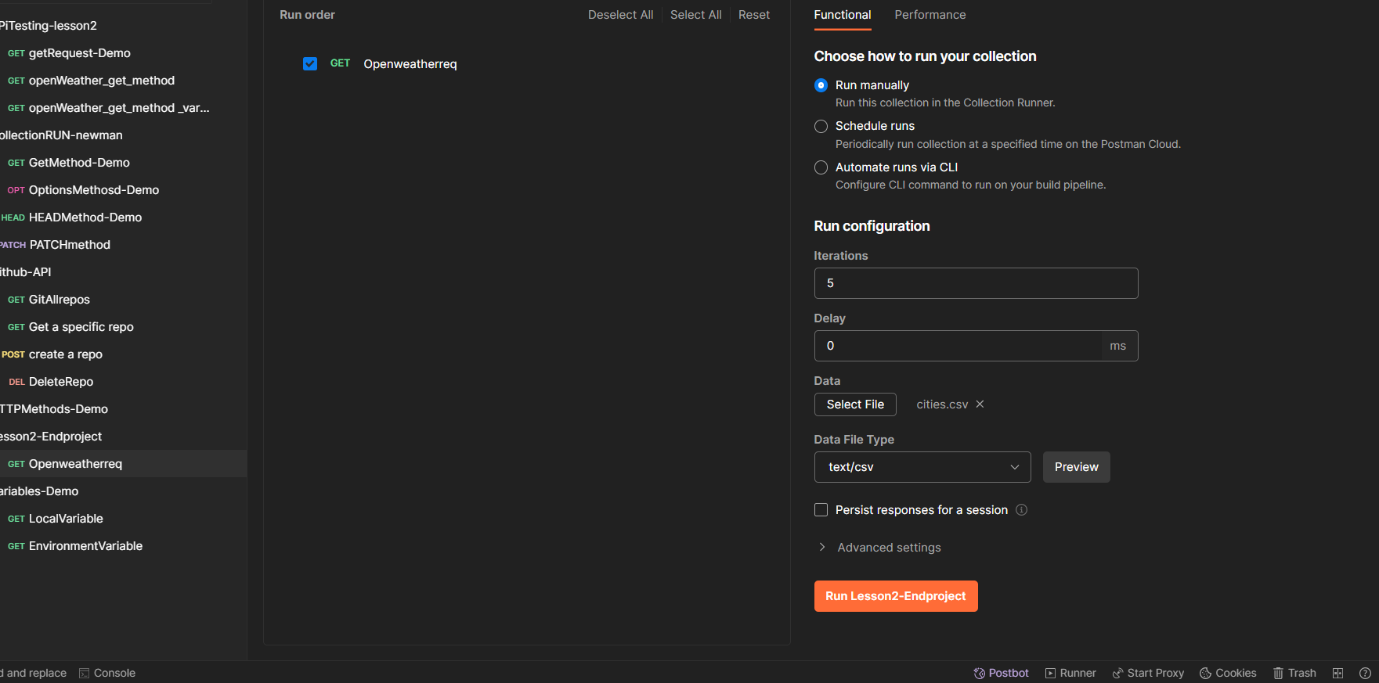
"name": "New Delhi",

"cod": 200

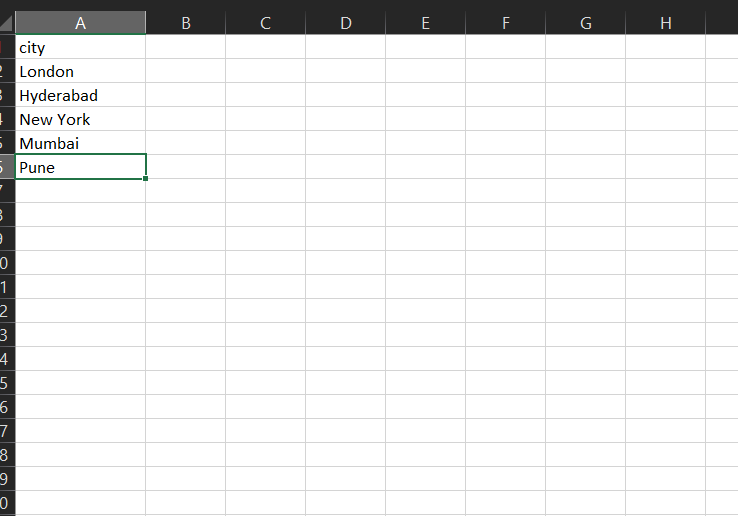
}



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

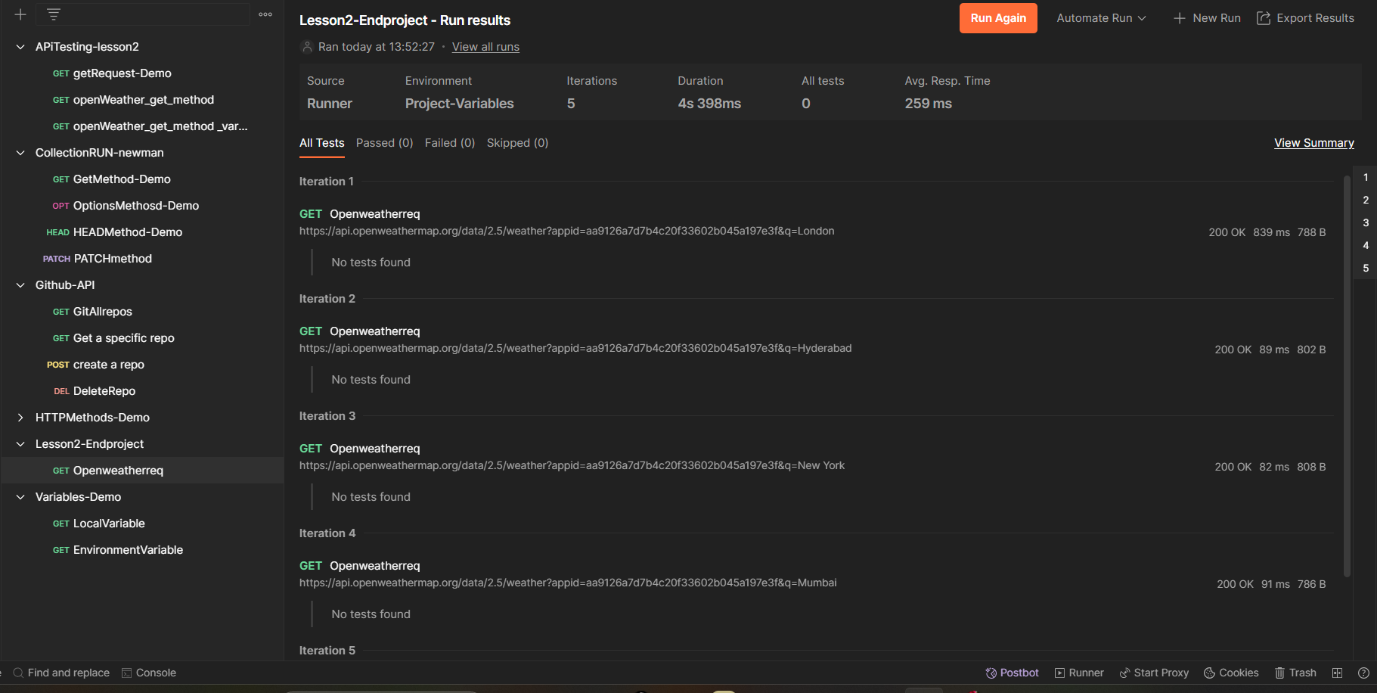


First create one excel and enter 5 cities names



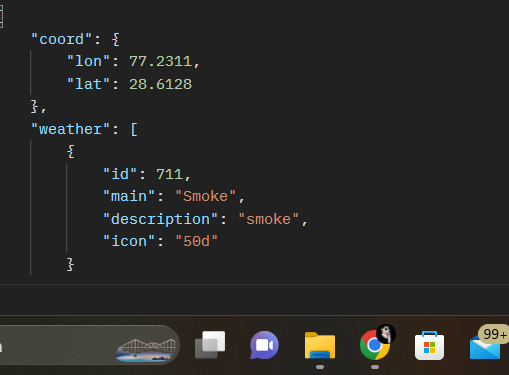
Save this file as cities & and save this excel in css & delimeter & save as in desktop folder

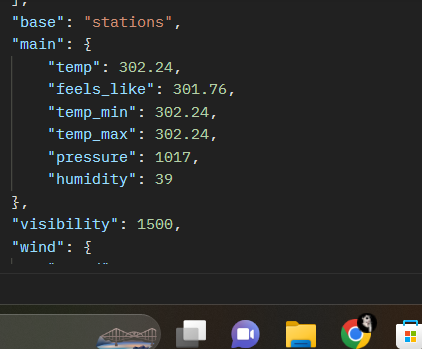
Run this results



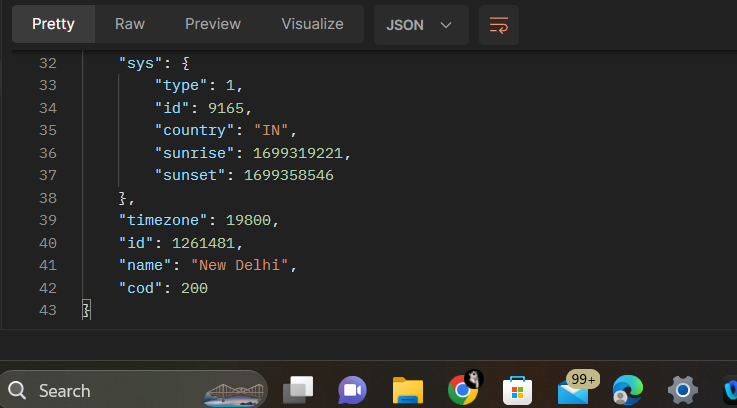
This above picture is summary report

Final output Result is



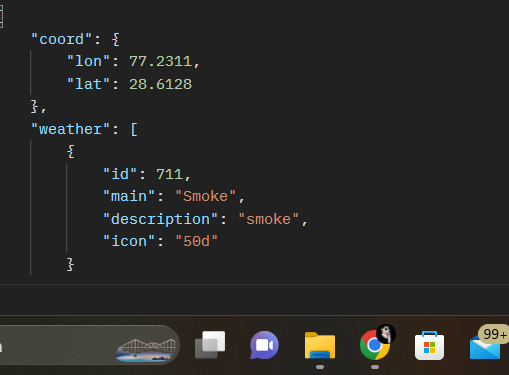


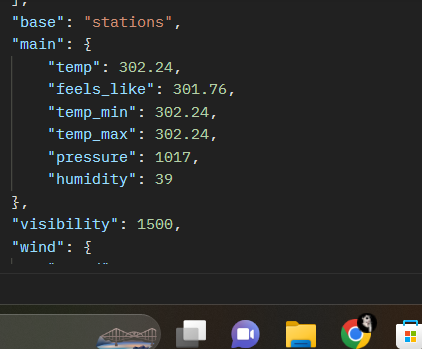




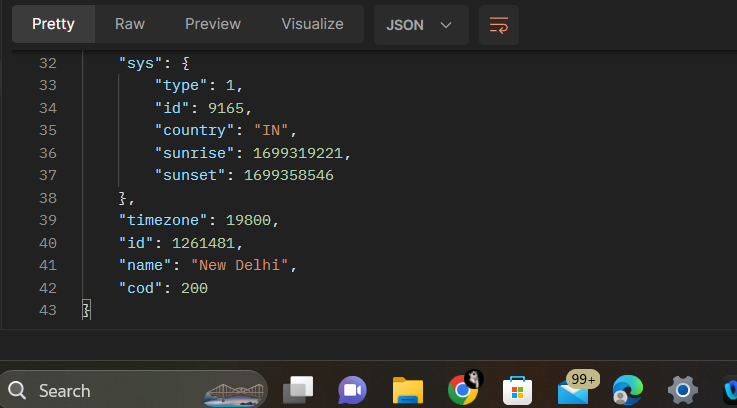
This is final result output.

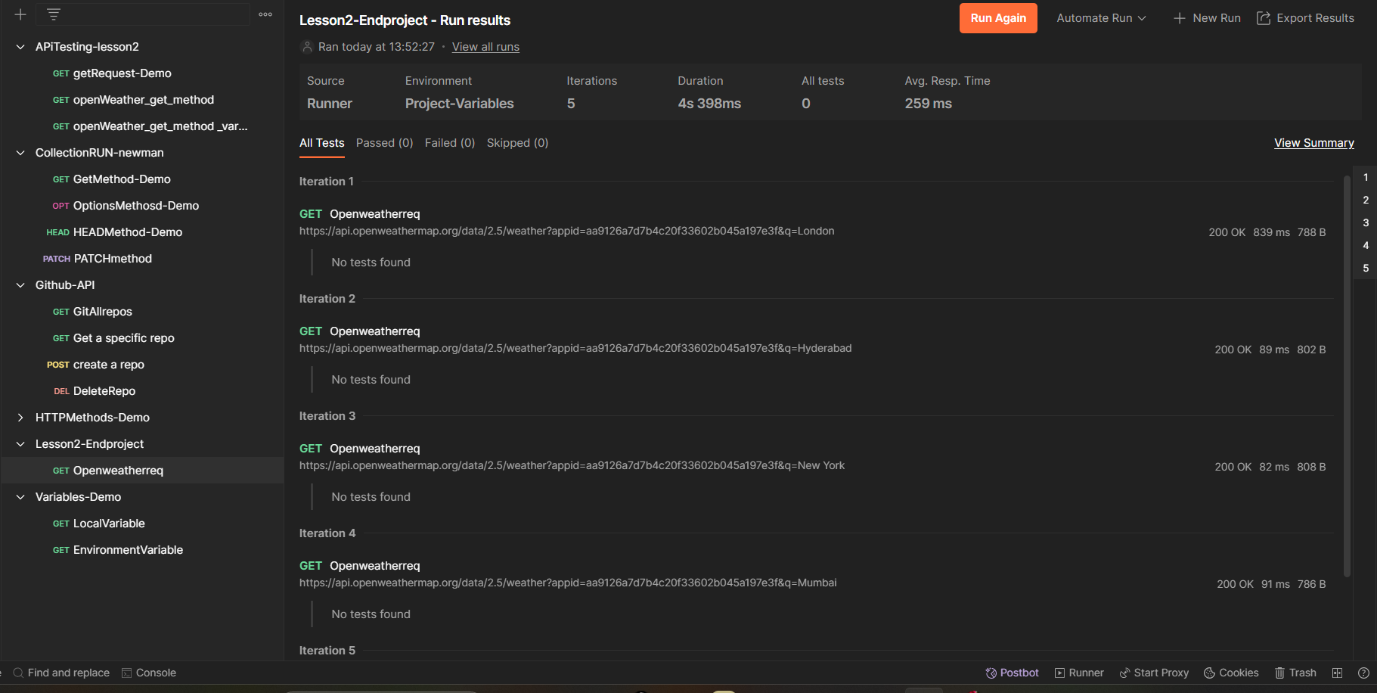
**Screen shots- Practice Project:**

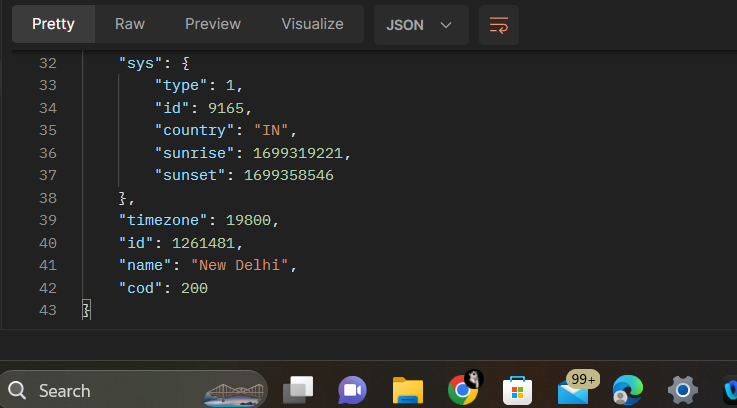
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**{**

**"coord": {**

**"lon": 77.2311,**

**"lat": 28.6128**

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**"deg": 180**

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**"sys": {**

**"type": 1,**

**"id": 9165,**

**"country": "IN",**

**"sunrise": 1699319221,**

**"sunset": 1699358546**

**},**

**"timezone": 19800,**

**"id": 1261481,**

**"name": "New Delhi",**

**"cod": 200**

**}**