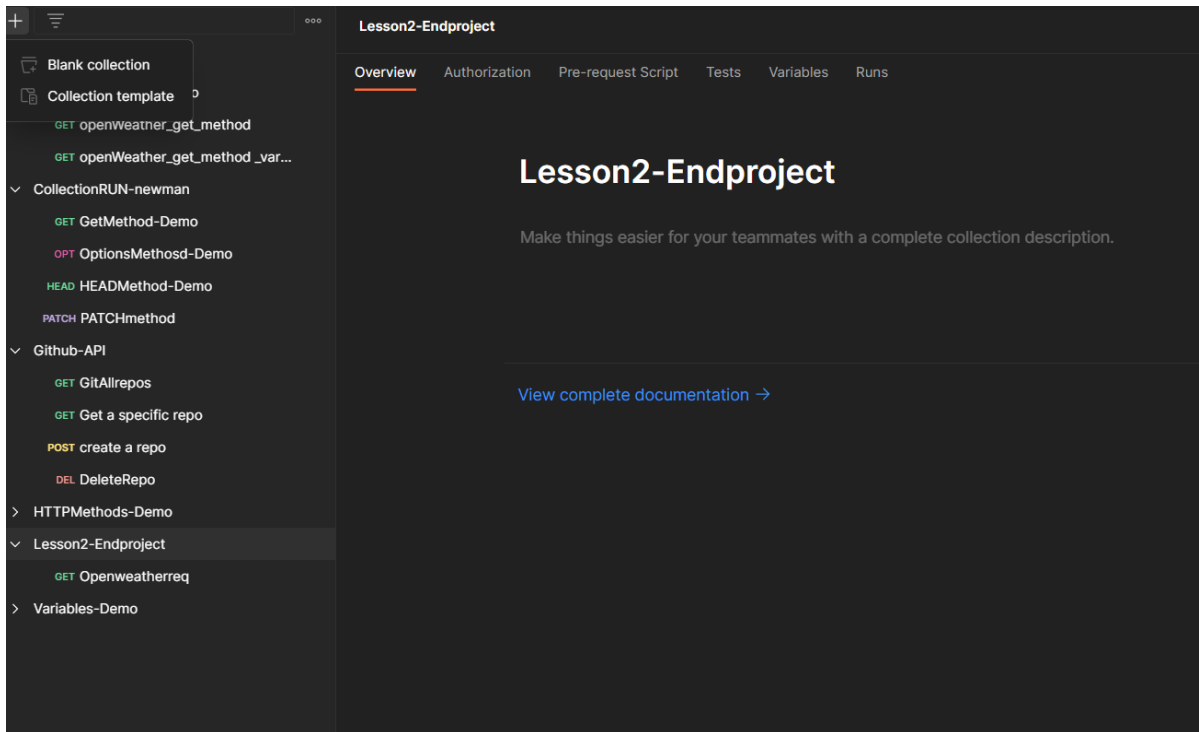


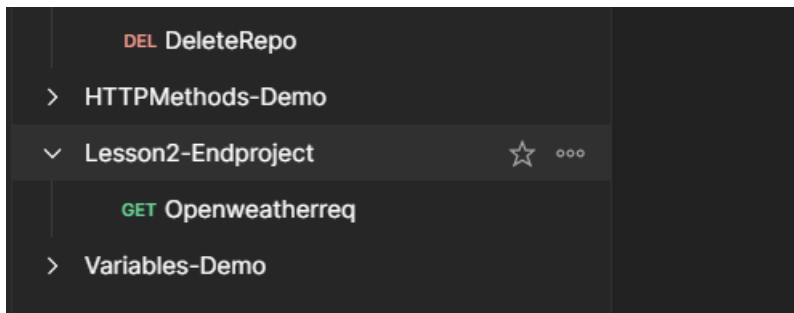
## Creating Well-Structured .Output for API Clients Using Postman to Get Weather Report

### Source code: for practice project

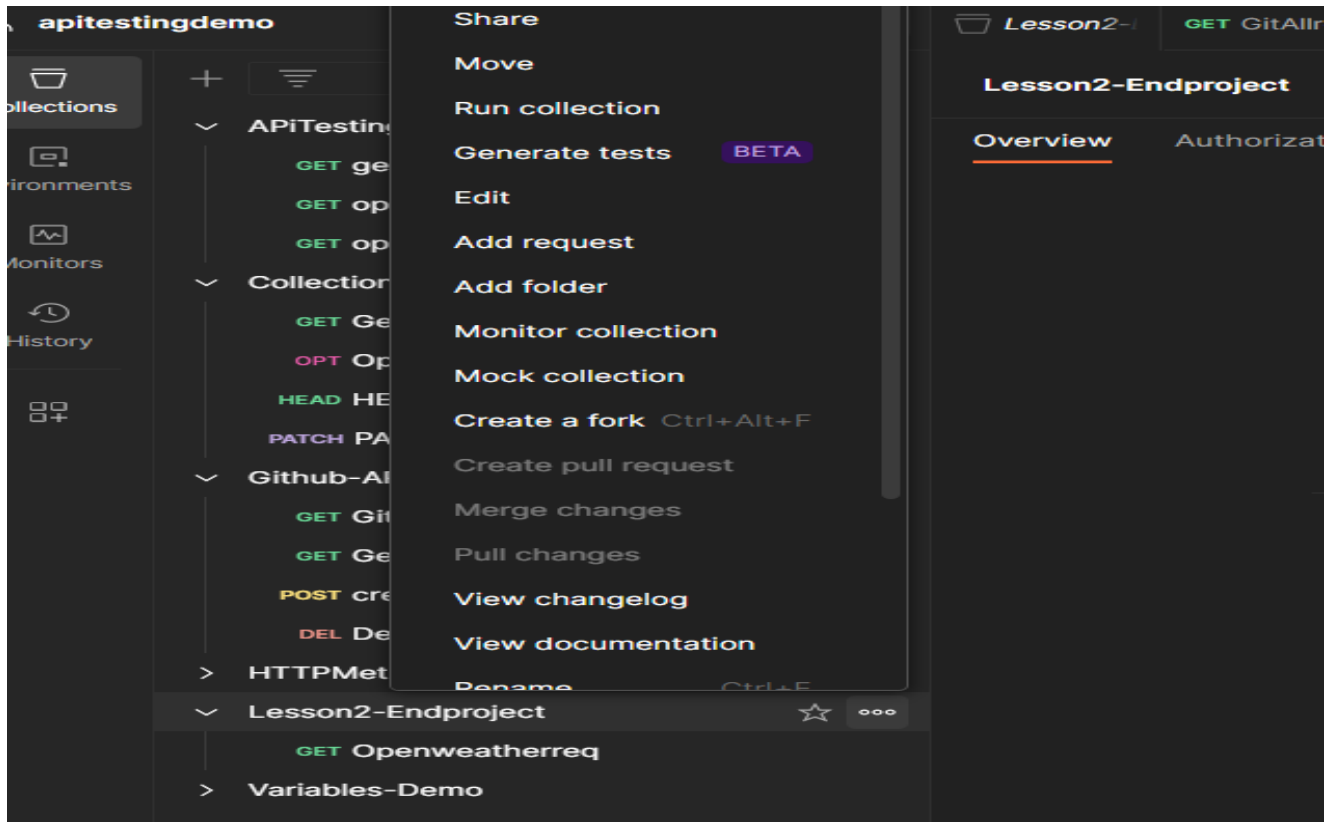
First go to collection area add blank collection



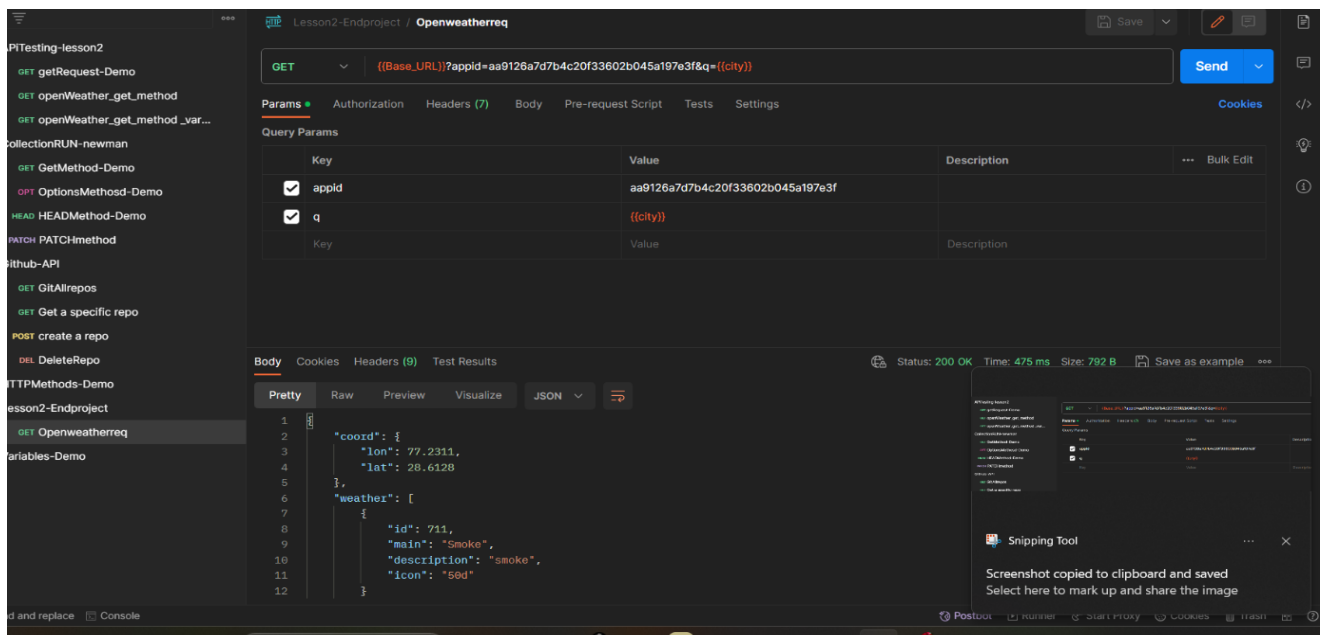
collection and put name as Lesson2- end project successfully lesson2-project are created.



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

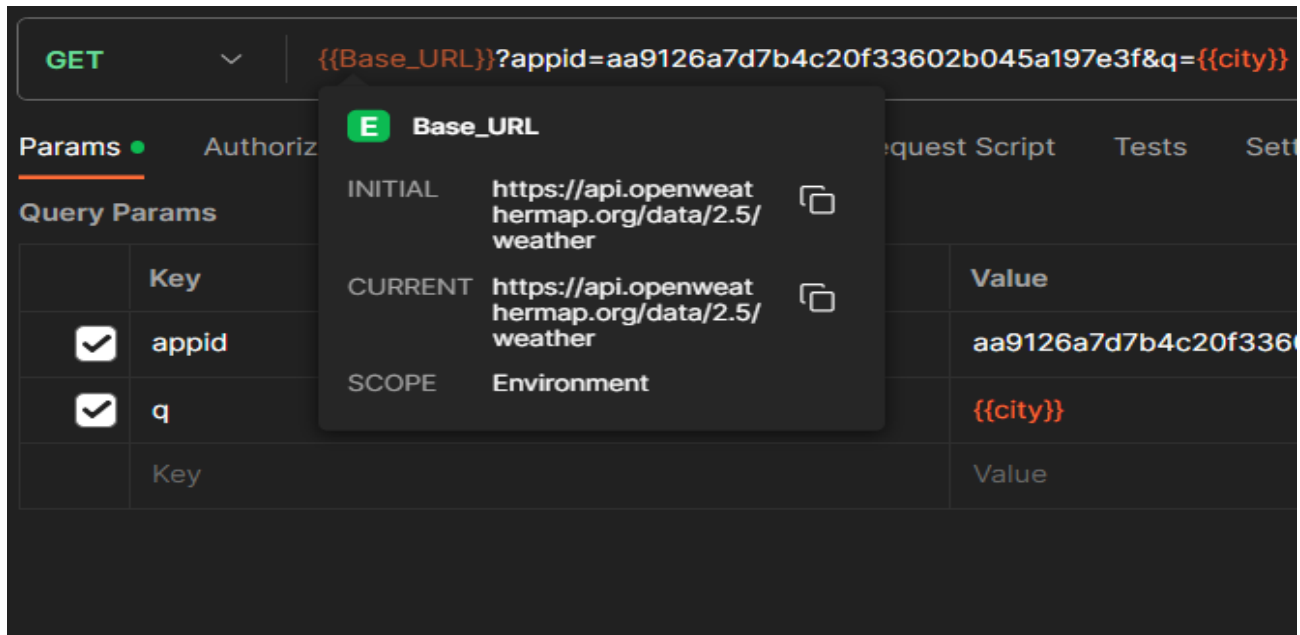


And put name as openweatherreq

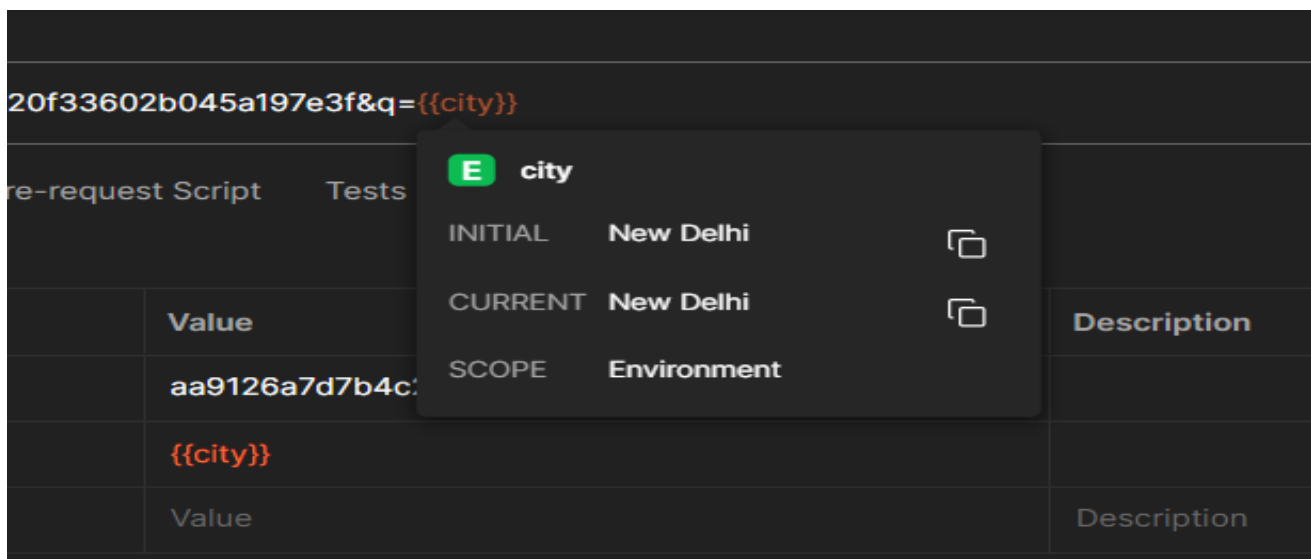


Add request name as openweatherreq in this below part select GET method & put URL

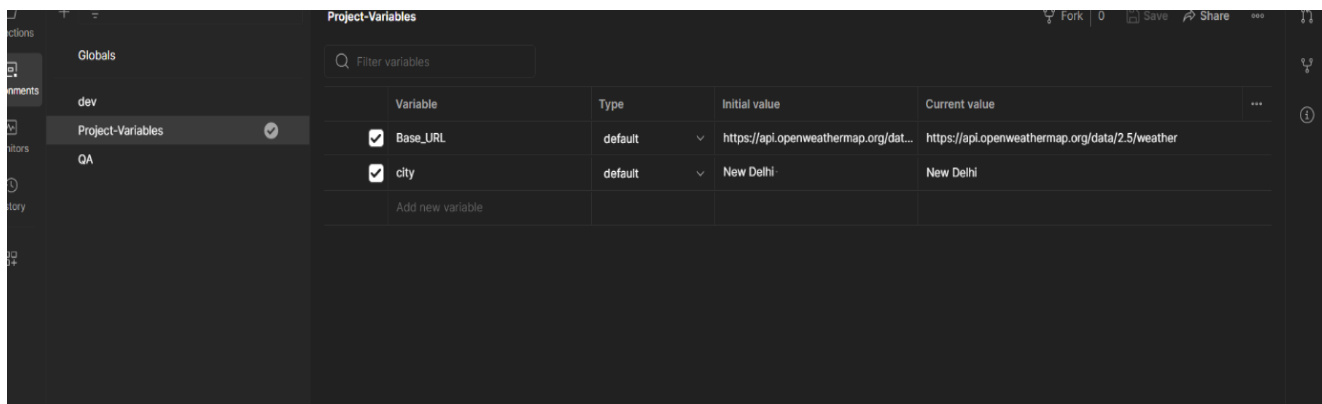
`{{Base_URL}}?appid=aa9126a7d7b4c20f33602b045a197e3f&q={{city}}`



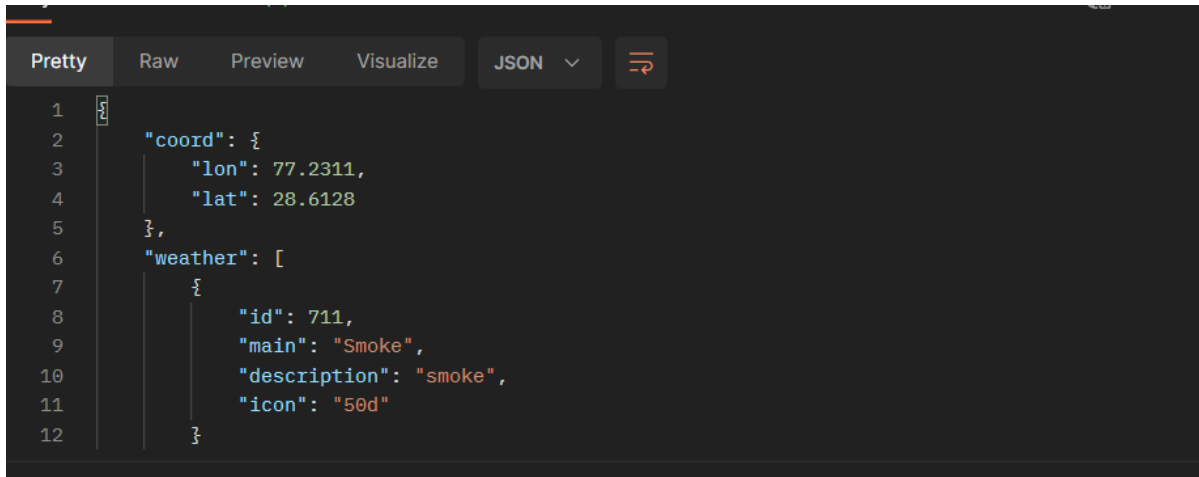
Take `{{Base_URL}}` is = `https://api.openweathermap.org/data/2.5/weather` Take `{{city}}` = New York



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



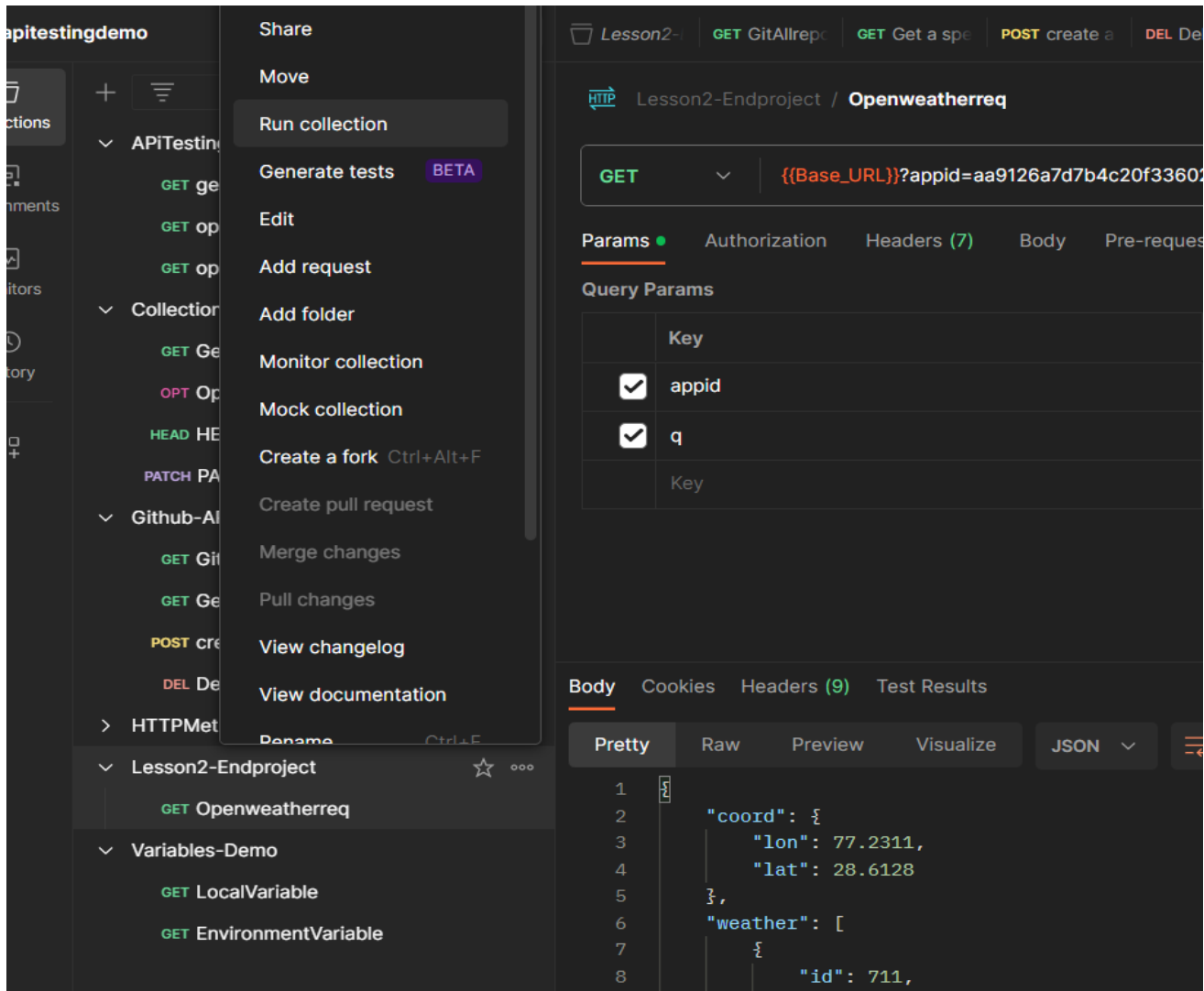
In this variables put name as Base\_URL, city and select project – variables in collection area

A screenshot of a web application's JSON viewer. The interface has a top bar with tabs: 'Pretty' (selected), 'Raw', 'Preview', and 'Visualize'. To the right of the tabs is a 'JSON' label with a dropdown arrow and a refresh icon. The main area displays a JSON object in a dark-themed editor with line numbers 1 through 12 on the left. The JSON structure is as follows: 

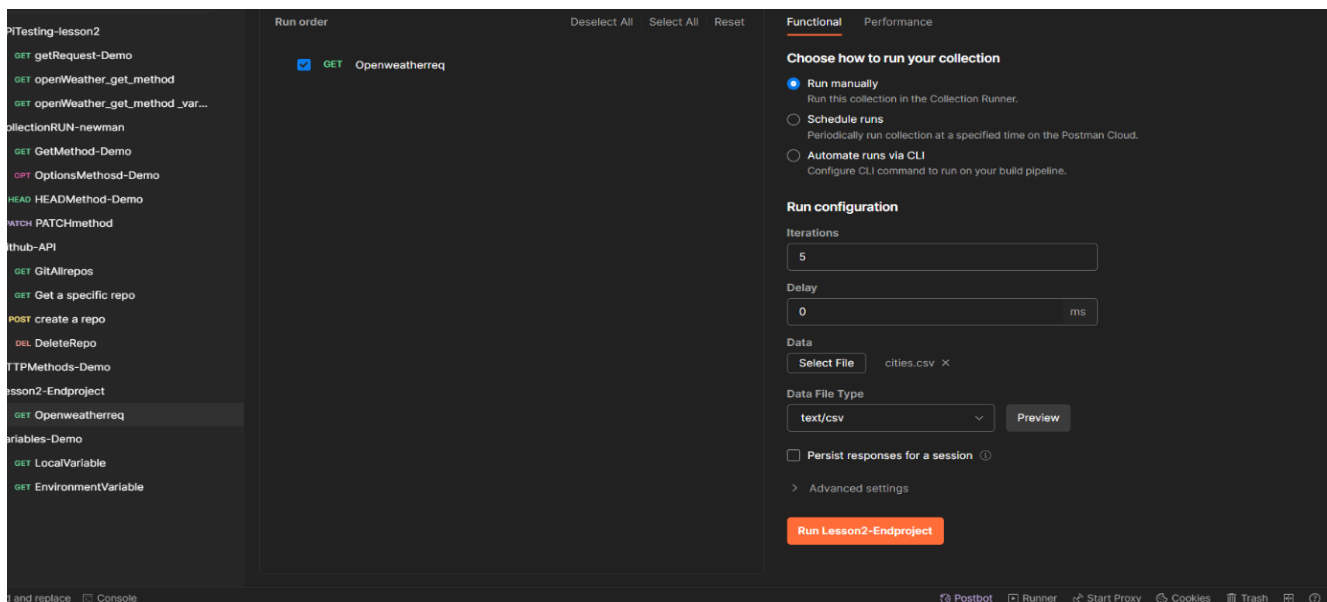
```
1 {  
2   "coord": {  
3     "lon": 77.2311,  
4     "lat": 28.6128  
5   },  
6   "weather": [  
7     {  
8       "id": 711,  
9       "main": "Smoke",  
10      "description": "smoke",  
11      "icon": "50d"  
12    }  
13  ]  
14 }
```

```
{  
  "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

	A	B	C	D	E	F	G	H
1	city							
2	London							
3	Hyderabad							
4	New York							
5	Mumbai							
6	Pune							
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

Run this results

+

☰

APITesting-lesson2

GET

getRequest-Demo

GET

openWeather\_get\_method

GET

openWeather\_get\_method\_var...

CollectionRUN-newman

GET

GetMethod-Demo

POST

OptionsMethod-Demo

HEAD

HEADMethod-Demo

PATCH

PATCHmethod

Github-API

GET

GitAllrepos

GET

Get a specific repo

POST

create a repo

DEL

DeleteRepo

HTTPMethods-Demo

Lesson2-Endproject

GET

Openweatherreq

Variables-Demo

GET

LocalVariable

GET

EnvironmentVariable

Lesson2-Endproject - Run results

🔗

Ran today at 13:52:27

·

[View all runs](#)

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	Project-Variables	5	4s 398ms	0	259 ms

All Tests

Passed (0)

Failed (0)

Skipped (0)

[View Summary](#)

Iteration 1

GET

Openweatherreq

<https://api.openweathermap.org/data/2.5/weather?appid=aa9126a7d7b4c20f33602b045a197e3f&q=London>

200 OK 839 ms 788 B

No tests found

Iteration 2

GET

Openweatherreq

<https://api.openweathermap.org/data/2.5/weather?appid=aa9126a7d7b4c20f33602b045a197e3f&q=Hyderabad>

200 OK 89 ms 802 B

No tests found

Iteration 3

GET

Openweatherreq

<https://api.openweathermap.org/data/2.5/weather?appid=aa9126a7d7b4c20f33602b045a197e3f&q=New York>

200 OK 82 ms 808 B

No tests found

Iteration 4

GET

Openweatherreq

<https://api.openweathermap.org/data/2.5/weather?appid=aa9126a7d7b4c20f33602b045a197e3f&q=Mumbai>

200 OK 91 ms 786 B

No tests found

Iteration 5

🔍 Find and replace

📄 Console

🔄 Postbot

🏃 Runner

🔗 Start Proxy

🍪 Cookies

🗑 Trash

🛠

🔌

This above picture is summary report

Final output Result is

```
    "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": {
    .. ..
  }
}
```


```
    "wind": {
      "speed": 2.06,
      "deg": 180
    },
    "clouds": {
      "all": 0
    },
    "dt": 1699339506,
    "sys": {
      "type": 1,
      "id": 9165,
      "country": "IN",
    }
  }
}
```



```

32  "sys": {
33      "type": 1,
34      "id": 9165,
35      "country": "IN",
36      "sunrise": 1699319221,
37      "sunset": 1699358546
38  },
39  "timezone": 19800,
40  "id": 1261481,
41  "name": "New Delhi",
42  "cod": 200
43  }

```

Search 

This is final result output.