

# Phase-3 Practice Project 2

Step 1:

Create NewCollection and New environment.

The screenshot displays the Postman application interface. At the top, a modal dialog is open for creating a new collection. It features a 'Blank collection' button at the top, followed by a 'Create from template' section with three options: 'REST API basics', 'Integration testing', and 'API documentation'. A link 'View more templates →' is at the bottom of the dialog.

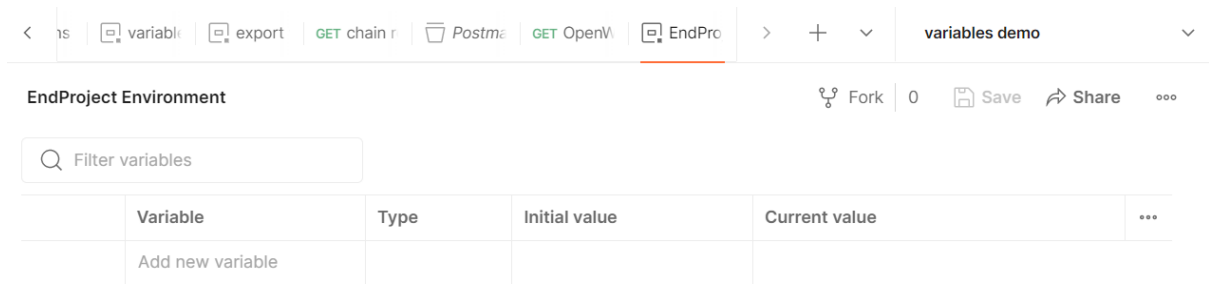
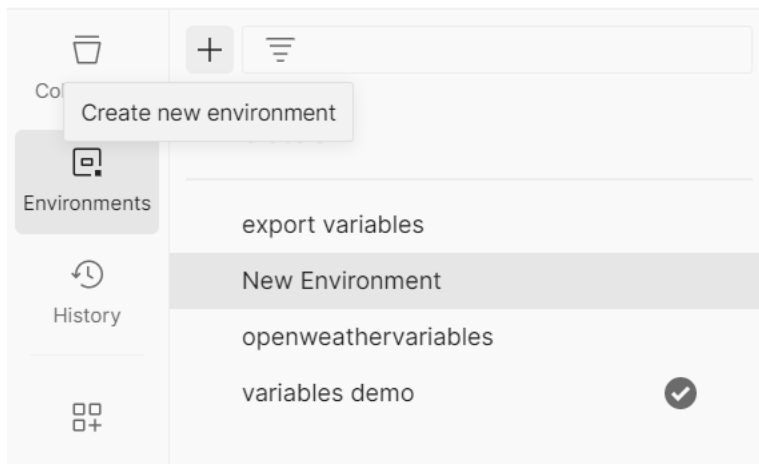
Below the dialog, the main interface shows the 'Postman End Project' collection. The breadcrumb navigation includes 'POST Create', 'Chains', 'variable', 'export', 'GET chain r', and 'Postman'. The collection name 'Postman End Project' is displayed with a share icon. To the right are buttons for 'Share', 'Fork' (0), 'Run', 'Save', and a menu icon.

The 'Overview' tab is selected, showing the collection title 'Postman End Project' and a description: 'Make things easier for your teammates with a complete collection description.' It also indicates the collection was 'Created by You' and 'Created on 14 Feb 2024, 5:03 PM'.

At the bottom, the 'OpenWeather Request' is shown. The method is 'GET' and the URL field contains 'Enter URL or paste text'. The 'Send' button is visible. Below the request, the 'Params' tab is active, showing a table for 'Query Params'.

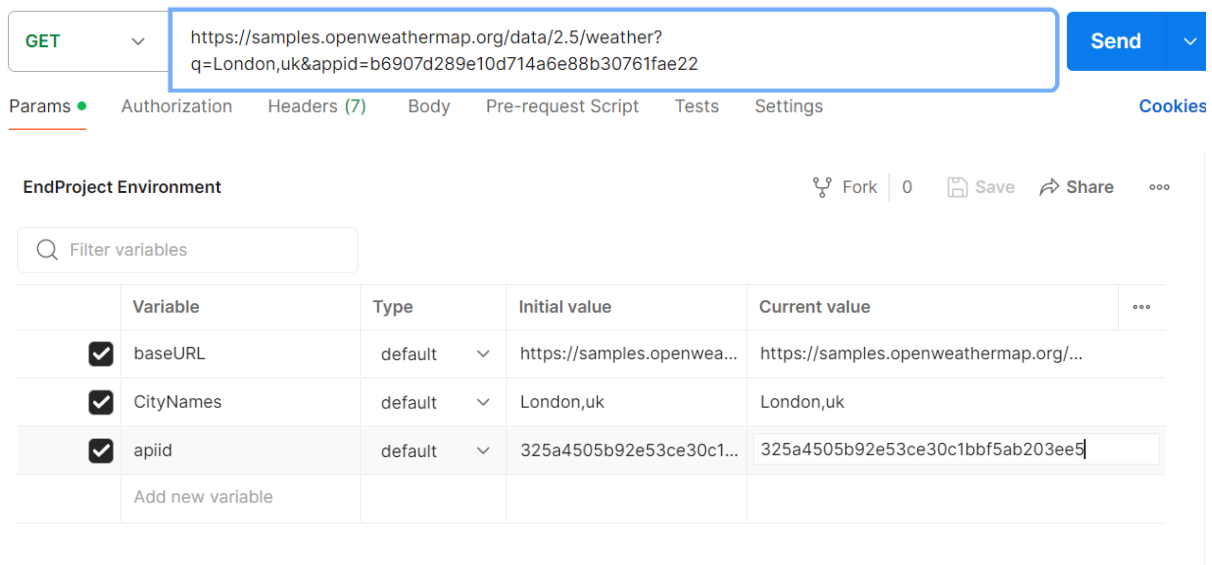
	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

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## Step 2:

Add url to the Get request and assign variables accordingly.



# Phase-3 Practice Project 2

GET

{{baseUrl}}?q={{CityNames}}&appid={{apiId}}

Send

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

<input checked="" type="checkbox"/> Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/> q	{{CityNames}}			
<input checked="" type="checkbox"/> appid	{{apiId}}			
<input type="checkbox"/> Key	Value	Description		

Response

Step 3:

Save the Request and Send it.

Body

Cookies

Headers (13)

Test Results (4/4)

200 OK 150 ms 924 B

Save as example

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "coord": {
3     "lon": -0.13,
4     "lat": 51.51
5   },
6   "weather": [
7     {
8       "id": 300,
9       "main": "Drizzle",
10      "description": "light intensity drizzle",
11      "icon": "09d"
12    }
13  ],
14  "base": "stations",
15  "main": {
16    "temp": 280.32,
17    "temp_min": 279.95,
```

# Phase-3 Practice Project 2

## Step 4:

Write Tests to add assertions to the request.

Params ● Authorization Headers (7) Body Pre-request Script Tests ● Settings

```
1 pm.test("Test to check Status code", function () {
2   pm.response.to.have.status(200);
3 });
4
5 pm.test("Speed of execution", function () {
6   pm.expect(pm.response.responseTime).to.be.below(500);
7 });
8
9 pm.test("validate response message", function () {
10  pm.expect(pm.response.status).to.be.oneOf(["OK", "Created"]);
11 });
12 pm.test("validate response Body", function () {
13   var jsonData = pm.response.json();
14   pm.expect(jsonData.name).to.eql("London");
15 });
16
```

Body Cookies Headers (13) Test Results (4/4)

🌐 200 OK 150 ms 924 B 📄 Save as example ⋮

All Passed Skipped Failed ↻

PASS Test to check Status code

PASS Speed of execution

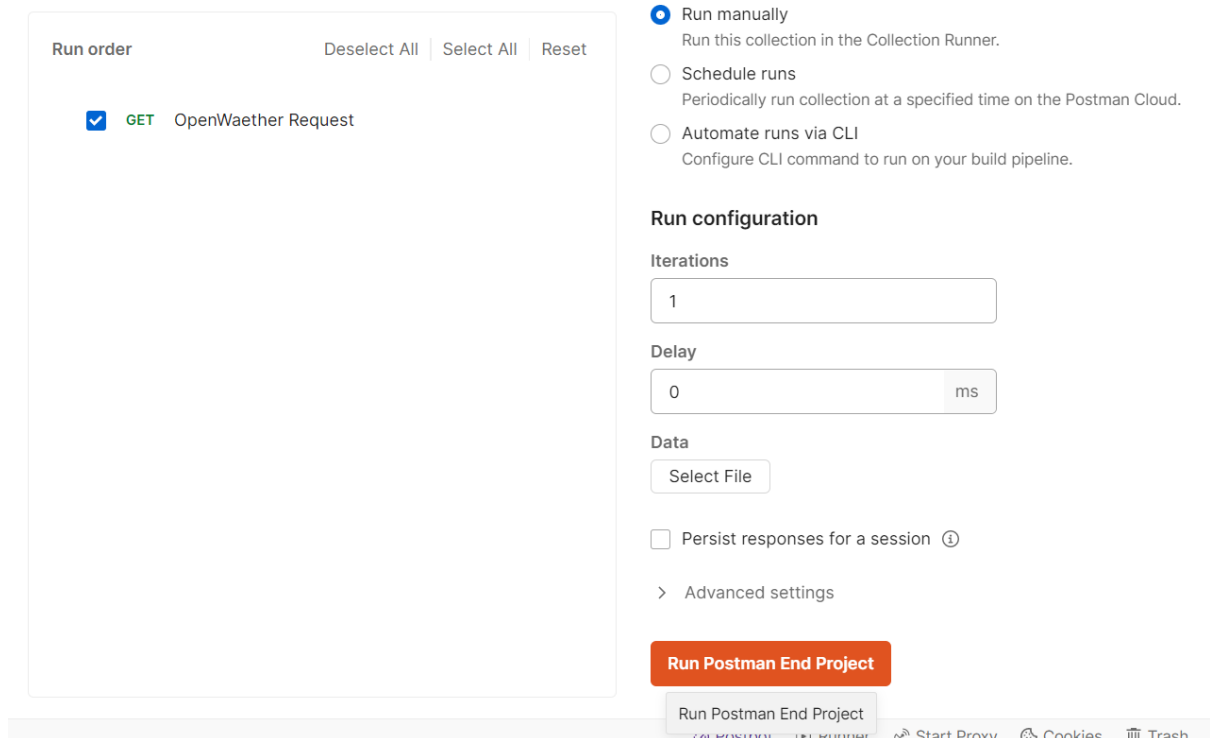
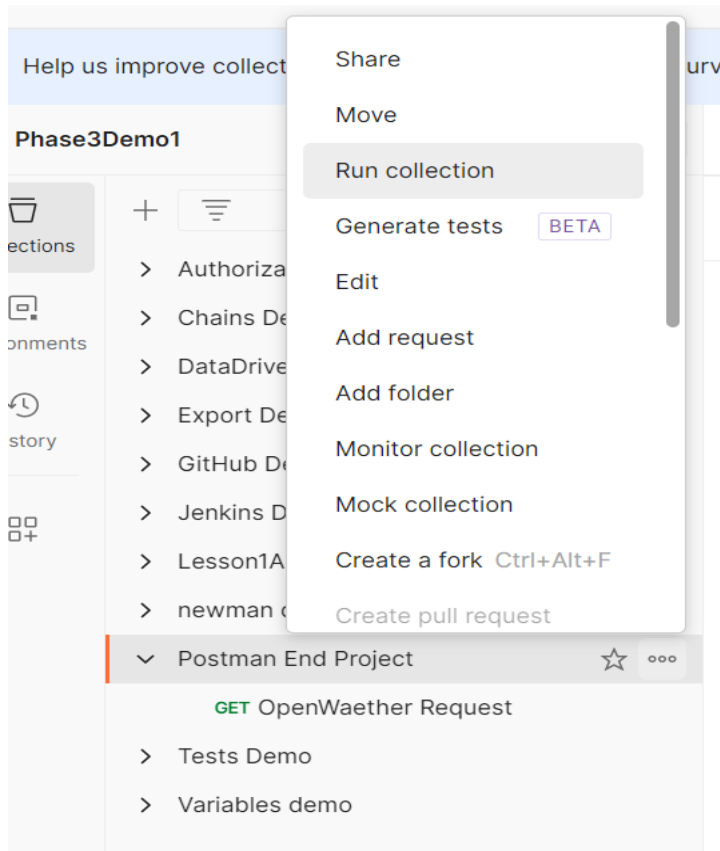
PASS validate response message

PASS validate response Body

# Phase-3 Practice Project 2

Step 5:

Run the Collection Using Run Manually and run using data file.



# Phase-3 Practice Project 2

## Postman End Project - Run results

Run Again

Automate Run

+ New Run

Export Results

Ran today at 17:23:35 · [View all runs](#)

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	EndProject Environment	1	1s 55ms	4	455 ms

All Tests Passed (4) Failed (0) Skipped (0)

[View Summary](#)

### Iteration 1

1

#### GET OpenWaether Request

<https://samples.openweathermap.org/data/2.5/weather?q=London,uk&appid=325a4505b92e53ce30c1bbf5ab203ee5>

200 OK 455 ms 924 B

PASS Test to check Status code

PASS Speed of execution

PASS validate response message

PASS validate response Body



Automate runs via CLI

Configure CLI command to run on your build pipeline.

## Run configuration

### Iterations

1

### Delay

0

ms

### Data

Select File

No file chosen



Persist responses for a session ⓘ



Advanced settings

Run Postman End Project

# Phase-3 Practice Project 2

Periodically run collection at a specified time on the Postman Cloud.

- ☐ Automate runs via CLI
- Configure CLI command to run on your build pipeline.

## Run configuration

### Iterations

4

### Delay

0ms

### Data

Select File

TestData.csv

X

### Data File Type

text/csv

Preview

- ☐ Persist responses for a session ⓘ

> Advanced settings

Run Postman End Project

Run Postman End Project

Postbot Runner Start Proxy Cookies Trash

## Postman End Project - Run results

Run Again

Automate Run New Run Export Result

Ran today at 17:33:36 · View all runs

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	EndProject Environment	4	1s 418ms	16	223 ms

All Tests Passed (16) Failed (0) Skipped (0) View Summary

Iteration 1

GET OpenWaether Request

https://samples.openweathermap.org/data/2.5/weather?q=London&appid=325a4505b92e53ce30c1bbf5ab203ee5

200 OK 439 ms 924 B

PASS Test to check Status code

PASS Speed of execution

PASS validate response message

PASS validate response Body

Iteration 2

GET OpenWaether Request

https://samples.openweathermap.org/data/2.5/weather?q=Texas&appid=325a4505b92e53ce30c1bbf5ab203ee5

200 OK 154 ms 924 B

PASS Test to check Status code

PASS Speed of execution

# Phase-3 Practice Project 2

## Postman End Project - Run results

Run Again

Automate Run

+ New Run

Export Res

Ran today at 17:33:36 · [View all runs](#)

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	EndProject Environment	4	1s 418ms	16	223 ms

All Tests Passed (16) Failed (0) Skipped (0)

[View Summary](#)

- PASS Test to check Status code
- PASS Speed of execution
- PASS validate response message
- PASS validate response Body

### Iteration 3

#### GET OpenWaether Request

https://samples.openweathermap.org/data/2.5/weather?q=Mumbai&appid=325a4505b92e53ce30c1bbf5ab203ee5

200 OK 150 ms 924 B

- PASS Test to check Status code
- PASS Speed of execution
- PASS validate response message
- PASS validate response Body

## Postman End Project - Run results

Run Again

Automate Run

+ New Run

Export Res

Ran today at 17:33:36 · [View all runs](#)

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	EndProject Environment	4	1s 418ms	16	223 ms

All Tests Passed (16) Failed (0) Skipped (0)

[View Summary](#)

- PASS Test to check Status code
- PASS Speed of execution
- PASS validate response message
- PASS validate response Body

### Iteration 4

#### GET OpenWaether Request

https://samples.openweathermap.org/data/2.5/weather?q=Hyderabad&appid=325a4505b92e53ce30c1bbf5ab203ee5

200 OK 150 ms 924 B

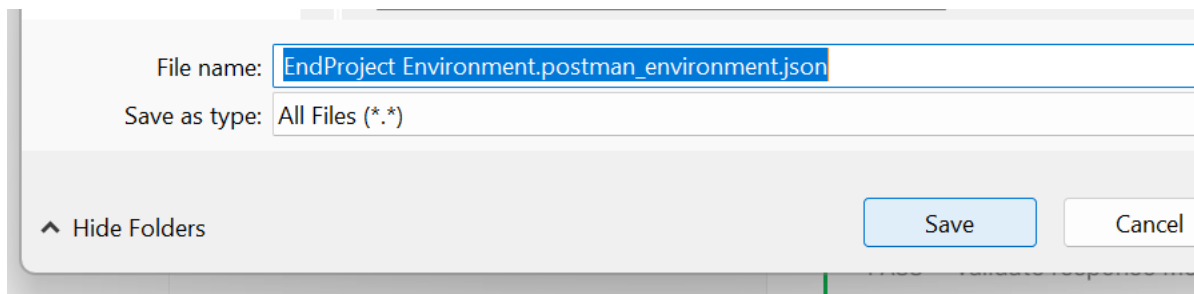
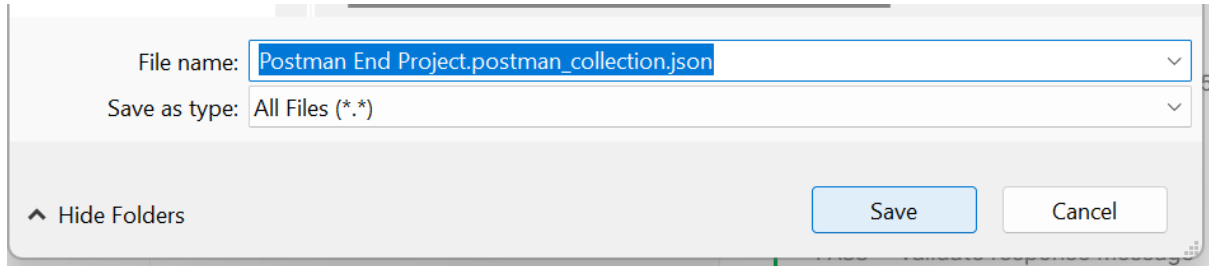
- PASS Test to check Status code
- PASS Speed of execution
- PASS validate response message
- PASS validate response Body



# Phase-3 Practice Project 2

Step 6:

Run collection using CLI and NewMan.



```
F:\MPHASIS Practice Exersie\Postman Files>newman run Postman_End_Project.postman_collection.json -e EndProject_Environment.postman_environment.json
newman

Postman End Project

→ OpenWaether Request
GET https://samples.openweathermap.org/data/2.5/weather?q=London,uk&appid=325a4505b92e53ce30c1bbf5ab203ee5 [200 OK, 924B, 493ms]
✓ Test to check Status code
✓ Speed of execution
✓ validate response message
✓ validate response Body
```

```
Postman End Project

→ OpenWaether Request
GET https://samples.openweathermap.org/data/2.5/weather?q=London,uk&appid=325a4505b92e53ce30c1bbf5ab203ee5 [200 OK, 924B, 493ms]
✓ Test to check Status code
✓ Speed of execution
✓ validate response message
✓ validate response Body
```

	executed	failed
iterations	1	0
requests	1	0
test-scripts	1	0
prerequisite-scripts	0	0
assertions	4	0
total run duration: 597ms		
total data received: 459B (approx)		
average response time: 493ms [min: 493ms, max: 493ms, s.d.: 0µs]		

# Phase-3 Practice Project 2

GitHub Link: [chandumj/simplilearnprojects \(github.com\)](https://github.com/chandumj/simplilearnprojects)