

Aim: To perform the end project to create the collections and environments variable

The image displays three sequential screenshots of the Postman web interface, illustrating the steps to create a collection and an environment.

Top Screenshot: The main workspace is visible. On the left sidebar, the 'Collections' tab is active, showing a tree view with 'My first collection' containing two folders: 'First folder inside collection' and 'Second folder inside collection'. Below this, a prompt reads 'Create a collection for your requests' with a 'Create Collection' button. The right pane shows a large rocket icon and a button to 'Open Workspace Overview'.

Middle Screenshot: The 'New Environment' dialog is open. It features a search bar for 'Filter variables' and a table with columns: 'Variable', 'Type', 'Initial value', and 'Current value'. A row labeled 'Add new variable' is at the bottom. The left sidebar shows the 'Collections' tab with a dropdown menu open, listing 'Blank collection', 'Create from template', 'API testing basics', 'Integration testing', and 'Regression testing'.

Bottom Screenshot: This screenshot is identical to the middle one, showing the 'New Environment' dialog and the 'Collections' sidebar menu.

HomeWorkspacesAPI NetworkExplore

Search

Invite

Phase3-Lesson2-APITesting

NewImport

New Collection

Share

Fr

Collections

Environments

History

This collection is empty
[Add a request](#) to start working.

New Collection

OverviewAuthorizationPre-request ScriptTestsVariablesRuns

Speed up your work with collection templates NEW

API testing basicsIntegration testingRegression testingMore templates

New Collection

Make things easier for your teammates with a complete collection description.

View complete documentation →

HomeWorkspacesAPI NetworkExplore

Search Postman

Invite

Upgrade

Phase3-Lesson2-APITesting

NewImport

Variables_Demo

GET LocalVariable

dev

Variables_Demo / LocalVariable

Save

GET

https://api.openweathermap.org/data/2.5/weather?q=new delhi&appid=a26e1f708fb6ace9dd7c0289fd7b39ea

Send

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

Query Params

Key	Value	Description
q	new delhi	
appid	a26e1f708fb6ace9dd7c0289fd7b39ea	
Key	Value	Description

BodyCookiesHeaders (9)Test Results

PrettyRawPreviewVisualizeJSON

```
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": "500"
12     }
13   ]
14 }
```

HomeWorkspacesAPI NetworkExplore

Search Postman

Invite

Upgrade

Phase3-Lesson2-APITesting

NewImport

Variables_Demo

GET LocalVariable

dev

Variables_Demo / LocalVariable

Save

GET

https://api.openweathermap.org/data/2.5/weather?q=new delhi&appid=a26e1f708fb6ace9dd7c0289fd7b39ea

Send

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

1 pm.environment.set("City", "New York");

Pre-request scripts are written in JavaScript, and are run before the request is sent. Learn more about [pre-request scripts](#)

Snippets

Get a global variable

Get a variable

Get a collection variable

Set an environment variable

BodyCookiesHeaders (9)Test Results

PrettyRawPreviewVisualizeJSON

```
1  {
2    "coord": {
```

Home Workspaces API Network Explore Search Postman

Phase3-Lesson2-APITesting New Import Variables_Demo GET LocalVariable dev

GET https://api.openweathermap.org/data/2.5/weather?q={{City}}&appid=a26e1f708fb6ace9dd7c0289fd7b39ea

Params Authorization Headers (6) Body Pre-request Script Tests Settings

```
1 pm.environment.set("City", "New York");
```

Pre-request scripts are written in JavaScript, and are run before the request is sent. Learn more about [pre-request scripts](#)

Snippets

- Get a global variable
- Get a variable
- Get a collection variable
- Set an environment variable

Body Cookies Headers (9) Test Results Status: 200 OK Time: 353 ms Size: 792 B Save as example

```
1 {
2   "coord": {
3     "lon": 77.2311,
4     "lat": 28.6128
  }
}
```

Home Workspaces API Network Explore Search Postman

Phase3-Lesson2-APITesting New Import Variables_Demo GET LocalVariable dev QA

GET EnvironmentVariable GET LocalVariable

GET https://api.openweathermap.org/data/2.5/weather?q={{City}}&appid=a26e1f708fb6ace9dd7c0289fd7b39ea

Params Authorization Headers (6) Body Pre-request Script Tests Settings

```
1
```

Pre-request scripts are written in JavaScript, and are run before the request is sent. Learn more about [pre-request scripts](#)

Snippets

- Get an environment variable
- Get a global variable
- Get a variable
- Get a collection variable

Body Cookies Headers (9) Test Results Status: 200 OK Time: 443 ms Size: 809 B Save as example

Home Workspaces API Network Explore Search Postman

Phase3-Lesson2-APITesting New Import Variables_Demo dev QA

Variables_Demo

Overview Authorization Pre-request Script Tests Variables Runs

These variables are specific to this collection and its requests. Learn more about [collection variables](#)

Filter variables

Variable	Initial value	Current value
<input checked="" type="checkbox"/> Add new variable		

Use variables to reuse values and prevent repetitive data

Home Workspaces API Network Explore Search Postman Invite Upgrade

Phase3-Lesson2-APITesting New Import Variables_Demo QA

Collections + ApiTesting-Lesson2
Environments
History
Variables_Demo
GET LocalVariable
GET EnvironmentVariable

Variables_Demo Share Fork 0 Run Save

Overview Authorization Pre-request Script Tests Variables Runs

These variables are specific to this collection and its requests. Learn more about [collection variables](#).

Filter variables

Variable	Initial value	Current value
<input checked="" type="checkbox"/> apikey		a26e1f708fb6ace9dd7c0289fd7b39ea
Add new variable		

Home Workspaces API Network Explore Search Postman Invite Upgrade

Phase3-Lesson2-APITesting New Import Variables_Demo GET LocalVariable GET EnvironmentVariable Globals dev QA

Collections + Globals
Environments
History
dev
QA

Globals Save Export

Global variables for a workspace are a set of variables that are always available within the scope of that workspace. They can be viewed and edited by anyone in that workspace. [Learn more about globals](#).

Filter variables

Variable	Type	Initial value	Current value
<input checked="" type="checkbox"/> Base_URL	default		https://api.openweathermap.org
Add new variable			

Home Workspaces API Network Explore Search Postman Invite Upgrade

Phase3-Lesson2-APITesting New Import HTTPMethods-Demo GET GetMethod-Demo QA

Collections + HTTPMethods-Demo / GetMethod-Demo Save

Environments
History
GET GetMethod-Demo
Variables_Demo

HTTPMethods-Demo / GetMethod-Demo

GET https://api.postman.com/workspaces Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
Key	Value	Description

Body Cookies Headers (13) Test Results Status: 401 Unauthorized Time: 1135 ms Size: 560 B Save as example

Pretty Raw Preview Visualize JSON

Missed authorization? Set Up New Authorization

```
1 {  
2   "error": {  
3     "name": "AuthenticationError",  
4     "message": "Invalid API Key. Every request requires a valid API key to be sent."  
5   }  
6 }
```

HomeWorkspacesAPI NetworkExplore

Search Postman

InviteSettingsUpgrade

Phase3-Lesson2-APITestingNewImportHTTPMethods-DemoGET GetMethod-Demo

Collections+ApiTesting-Lesson2HTTPMethods-DemoGET GetMethod-DemoVariables_Demo

EnvironmentsHistory

HTTPMethods-Demo / GetMethod-Demo

GEThttps://api.postman.com/workspaces

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettings

Query Params

Key	Value
Key	Value

BodyCookiesHeaders (13)Test ResultsStatus: 401 UnauthorizedTime: 1135 msSize: 560 BSave as example

PrettyRawPreviewVisualizeJSON

Missed authorization? Set Up New Authorization

```
1{
2  "error": {
3    "name": "AuthenticationError",
4    "message": "Invalid API Key. Every request requires a valid API Key to be sent."
5  }
6}
```

WorkAPI keys

https://web.postman.co/settings/me/api-keys

HomeWorkspacesAPI NetworkExplore

Search Postman

Upgrade

SivaView your profile

ProfileAccountNotificationsActive sessionsTeamsAPI keys

API keys

Generate API Key

No API Keys

Fetch live Postman data to integrate with your build system and toolchain, auto-export to your repository, and even create converters. Learn more about API keys >

Collection access keys

Collection	Key	Created on	Created by
------------	-----	------------	------------

WorkAPI keys

https://web.postman.co/settings/me/api-keys

HomeWorkspacesAPI NetworkExplore

Search Postman

Upgrade

SivaView your profile

ProfileAccountNotificationsActive sessionsTeamsAPI keys

API keys

Generate API Key

API key settings

☐ Never expire API keys☒ API keys expire after 60 days of inactivity

Save API Key Settings

API keys

Name	API key	Created on	Last used	Status
newkey	PMAK-654763361013d400383d50f7-XXXX	5 Nov, 2023	Not yet	<input checked="" type="checkbox"/>

Collection access keys

Collection	Key	Created on	Created by
------------	-----	------------	------------

HomeWorkspacesAPI NetworkExplore

Search Postman

Invite

Phase3-Lesson2-APITestingNewImport

HTTPMethods-DemoGET GetMethod-Demo

Collections

Environments

History

ApiTesting-Lesson2

HTTPMethods-Demo

GET GetMethod-Demo

Variables_Demo

HTTPMethods-Demo / GetMethod-Demo

GEThttps://api.postman.com/workspaces

ParamsAuthorizationHeaders (7)BodyPre-request ScriptTestsSettings

Host<calculated when request is sent>

User-AgentPostmanRuntime/7.34.0

Accept*/*

Accept-Encodinggzip, deflate, br

Connectionkeep-alive

X-API-Key

KeyValueDescription

BodyCookiesHeaders (13)Test Results

Status: 401 UnauthorizedTime: 1135 ms

PrettyRawPreviewVisualizeJSON

Missed authorization? Set Up New Authorization

```
1
2  "error": {
3    "name": "AuthenticationError",
4    "message": "Invalid API Key. Every request requires a valid API Key to be sent."
5  }
6
```

HomeWorkspacesAPI NetworkExplore

Search Postman

Invite

Phase3-Lesson2-APITestingNewImport

HTTPMethods-DemoGET GetMethod-DemoVariables_DemoGET EnvironmentVariable

Collections

Environments

History

ApiTesting-Lesson2

HTTPMethods-Demo

GET GetMethod-Demo

Variables_Demo

GET LocalVariable

GET EnvironmentVariable

HTTPMethods-Demo

OverviewAuthorizationPre-request ScriptTestsVariablesRuns

These variables are specific to this collection and its requests. Learn more about [collection variables](#)

Filter variables

Variable	Initial value	Current value
<input checked="" type="checkbox"/> PMApikey		PMAK-654763361013d400383d50f7-d8639
Add new variable		

Home Workspaces API Network Explore Search Postman Invite

Phase3-Lesson2-APITesting New Import HTTPMethods-Demo GET GetMethod-Demo Variables_Demo GET EnvironmentVariable

Collections + ...

- ApiTesting-Lesson2
 - HTTPMethods-Demo
 - GET GetMethod-Demo
 - GET LocalVariable
 - GET EnvironmentVariable

environments

History

HTTPMethods-Demo / GetMethod-Demo

GET https://api.postman.com/workspaces

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

<input checked="" type="checkbox"/>	Postman-Token	<calculated when request is sent>
<input checked="" type="checkbox"/>	Host	<calculated when request is sent>
<input checked="" type="checkbox"/>	User-Agent	PostmanRuntime/7.34.0
<input checked="" type="checkbox"/>	Accept	*/*
<input checked="" type="checkbox"/>	Accept-Encoding	gzip, deflate, br
<input checked="" type="checkbox"/>	Connection	keep-alive
<input checked="" type="checkbox"/>	X-API-Key	{{PMapikey}}
	Key	Value

Body Cookies Headers (13) Test Results Status: 200 OK Time: 587 m

Pretty Raw Preview Visualize JSON

```
1 {
2   "workspaces": [
3     {
4       "id": "9f9d4c78-855c-4a38-83fa-00ecfdc57097",
5       "name": "My Workspace",
6       "type": "personal",
```

Home Workspaces API Network Explore Search Postman Invite Upgrade

Phase3-Lesson2-APITesting New Import HTTPMethods-Demo GET GetMethod-Demo Variables_Demo GET EnvironmentVariable POST PostMethod-demo QA

Collections + ...

- ApiTesting-Lesson2
 - HTTPMethods-Demo
 - GET GetMethod-Demo
 - GET PostMethod-demo
 - GET LocalVariable
 - GET EnvironmentVariable

environments

History

HTTPMethods-Demo / PostMethod-demo

POST https://api.postman.com/workspaces

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "id": "9f9d4c78-855c-4a38-83fa-00ecfdc57097",
3   "name": "My Workspace",
4   "type": "personal",
5   "visibility": "personal"
6 }
```

Response

Send Save Beautify Cookies

Home Workspaces API Network Explore Search Postman Invite Upgrade

Phase3-Lesson2-APITesting New Import HTTPMethods-Demo GET GetMethod-Demo Variables_Demo GET EnvironmentVariable POST PostMethod-demo QA

Collections + ...

- ApiTesting-Lesson2
 - HTTPMethods-Demo
 - GET GetMethod-Demo
 - POST PostMethod-demo
 - GET LocalVariable
 - GET EnvironmentVariable

environments

History

HTTPMethods-Demo / PostMethod-demo

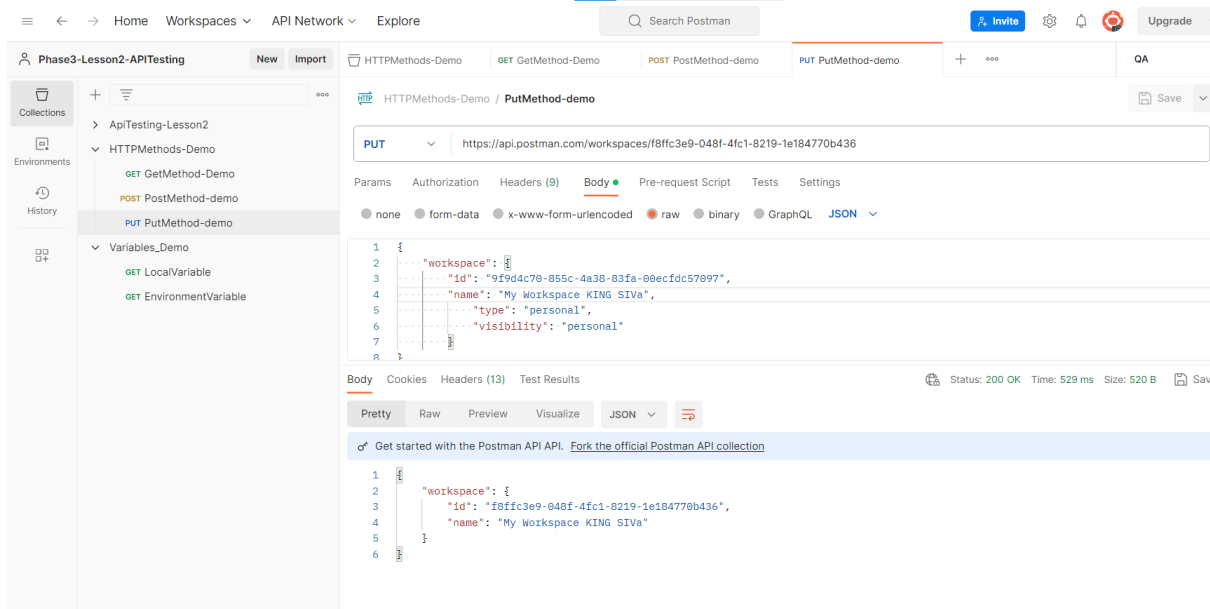
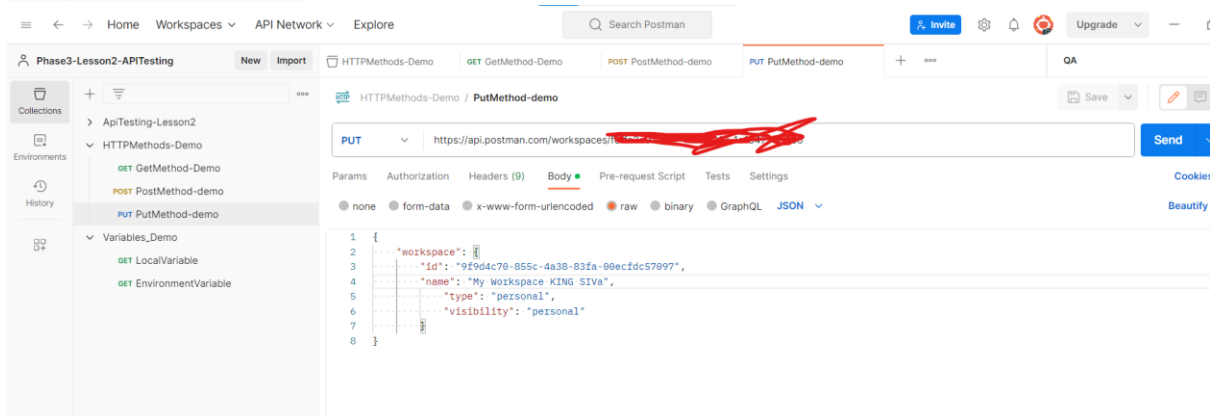
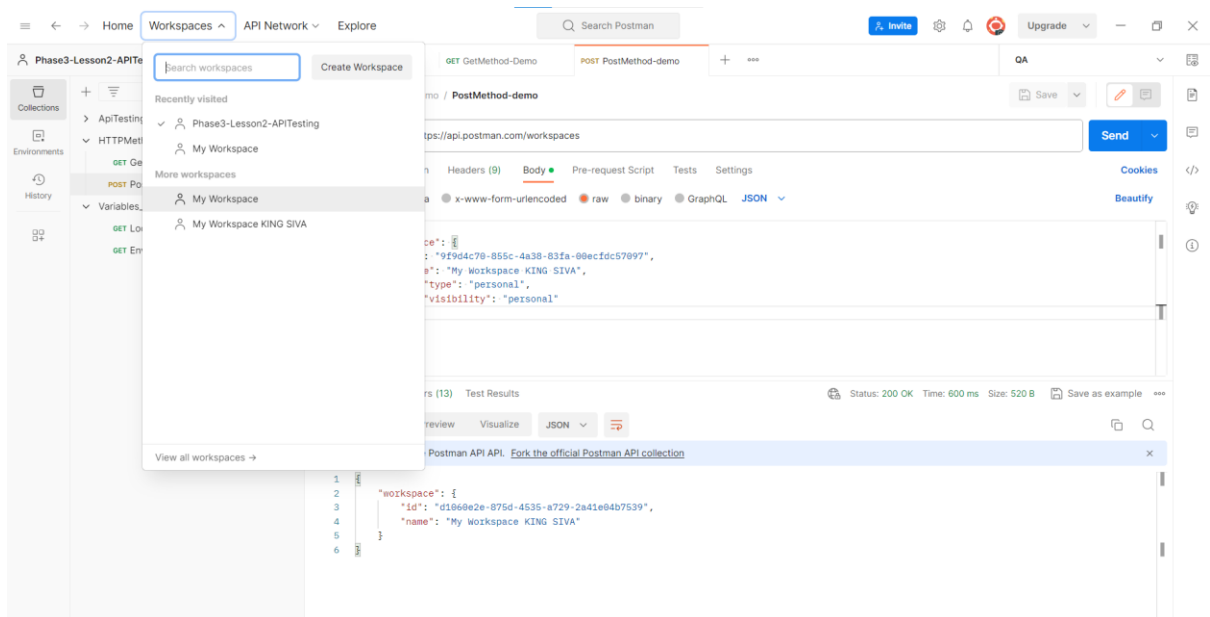
POST https://api.postman.com/workspaces

Params Authorization Headers (9) Body Pre-request Script Tests Settings

<input checked="" type="checkbox"/>	Content-Length	<calculated when request is sent>
<input checked="" type="checkbox"/>	Host	<calculated when request is sent>
<input checked="" type="checkbox"/>	User-Agent	PostmanRuntime/7.34.0
<input checked="" type="checkbox"/>	Accept	*/*
<input checked="" type="checkbox"/>	Accept-Encoding	gzip, deflate, br
<input checked="" type="checkbox"/>	Connection	keep-alive
<input checked="" type="checkbox"/>	x-api-key	{{PMapikey}}
	Key	Value

Response

Send Save Beautify Cookies



Home Workspaces API Network Explore Search Postman Invite Upgrade

Phase3-Lesson2-APITesting New Import GET GetMethod-Demo DEL DeleteMethod-Demo QA


HTTPMethods-Demo / DeleteMethod-Demo Save Send Cookies

DELETE https://api.postman.com/workspaces/f8ffc3e9-048f-4fc1-8219-1e184770b436

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

<input checked="" type="checkbox"/>	Host	<calculated when request is sent>	
<input checked="" type="checkbox"/>	User-Agent	PostmanRuntime/7.34.0	
<input checked="" type="checkbox"/>	Accept	*/*	
<input checked="" type="checkbox"/>	Accept-Encoding	gzip, deflate, br	
<input checked="" type="checkbox"/>	Connection	keep-alive	
<input checked="" type="checkbox"/>	X-API-Key	((PMApiKey))	
	Key	Value	Description

Response



Home Workspaces API Network Explore Search Postman Invite Upgrade

Phase3-Lesson2-APITesting New Import Runner Project-Variables

Run order Deselect All Select All Reset

☒ GET Openweatherreq

Functional Performance

Choose how to run your collection

☒ Run manually
Run this collection in the Collection Runner.

☐ Schedule runs
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
1

Delay
0 ms

Data
Select File

☐ Persist responses for a session

Advanced settings

Run Lesson-EndProject

HomeWorkspacesAPI NetworkExplore

Search Postman

InviteSettingsNotificationsUpgrade

Phase3-Lesson2-APITestingNewImportRunner

Project-Variables

Collections

ApiTesting-Lesson2

- getRequest-Demo
- OpenWeather_Get_Method
- OpenWeather_Get_Method_Var...

Environments

History

CollectionRun-Newman

GitHub-API

HTTPMethods-Demo

Lesson-EndProject

- Openweatherreq

Variables_Demo

Run order

Deselect AllSelect AllReset

☒ GET Openweatherreq

FunctionalPerformance

Choose how to run your collection

- ☒ Run manually
Run this collection in the Collection Runner.
- ☐ Schedule runs
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

5

Delay

0

ms

Data

Select File

Book1.csv X

Data File Type

text/csv

Preview

☐ Persist responses for a session

Advanced settings

Run Lesson-EndProject

HomeWorkspacesAPI NetworkExplore

Search Postman

InviteSettingsNotificationsUpgrade

Phase3-Lesson2-APITestingNewImportRunner

Project-Variables

Collections

ApiTesting-Lesson2

- getRequest-Demo
- OpenWeather_Get_Method
- OpenWeather_Get_Method_Var...

Environments

History

CollectionRun-Newman

GitHub-API

HTTPMethods-Demo

Lesson-EndProject

- Openweatherreq

Variables_Demo

Run order

Deselect AllSelect AllReset

☒ GET Openweatherreq

FunctionalPerformance

Choose how to run your collection

- ☒ Run manually
Run this collection in the Collection Runner.
- ☐ Schedule runs
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

5

Delay

0

ms

Data

Select File

Book1.csv X

Data File Type

text/csv

Preview

☐ Persist responses for a session

Advanced settings

Run Lesson-EndProject

The screenshot shows the Postman application interface. On the left sidebar, the 'Collections' panel is open, showing a tree structure with 'Phase3-Lesson2-APITesting' as the root. Under it, there's 'ApiTesting-Lesson2' which contains several GET requests. The 'Lesson-EndProject' collection is selected and expanded, showing 'Openweatherreq' and 'Variables_Demo'. The main panel displays the 'Run results' for the 'Lesson-EndProject' collection. It shows a summary table with columns: Source, Environment, Project-Variables, Iterations, Duration, All tests, and Avg. Resp. Time. Below the summary, there's a section for 'All Tests' with a table showing 'Passed (0)', 'Failed (0)', and 'Skipped (0)'. The 'Run results' section shows the execution of the 'Openweatherreq' request across five iterations. Each iteration shows the request URL, the response status (200 OK), response time, and response size. The first iteration is for 'New York', the second for 'Mumbai', the third for 'Pune', and the fourth and fifth are also for 'Pune'. The 'Variables_Demo' request is not shown in the results.

Source	Environment	Project-Variables	Iterations	Duration	All tests	Avg. Resp. Time
Runner			5	7s 159ms	0	503 ms

All Tests	Passed (0)	Failed (0)	Skipped (0)
No tests found			

Iteration	Request	Status	Time	Size
Iteration 2	GET Openweatherreq https://api.openweathermap.org?appid=a26e1f708fb6ace9dd7c0289fd7b39ea&q=New York	200 OK	420 ms	14,277 KB
No tests found				
Iteration 3	GET Openweatherreq https://api.openweathermap.org?appid=a26e1f708fb6ace9dd7c0289fd7b39ea&q=Mumbai	200 OK	419 ms	14,277 KB
No tests found				
Iteration 4	GET Openweatherreq https://api.openweathermap.org?appid=a26e1f708fb6ace9dd7c0289fd7b39ea&q=Pune	200 OK	415 ms	14,275 KB
No tests found				
Iteration 5	GET Openweatherreq			

This is my GitHub repository link to upload my assignments and project also.

<https://github.com/sivaji143843/Phase3---Assignment2>