

Creating a workspace for Weather report

Create your workspace

Name

Weather-Report phase3

Summary

Who can access your workspace?

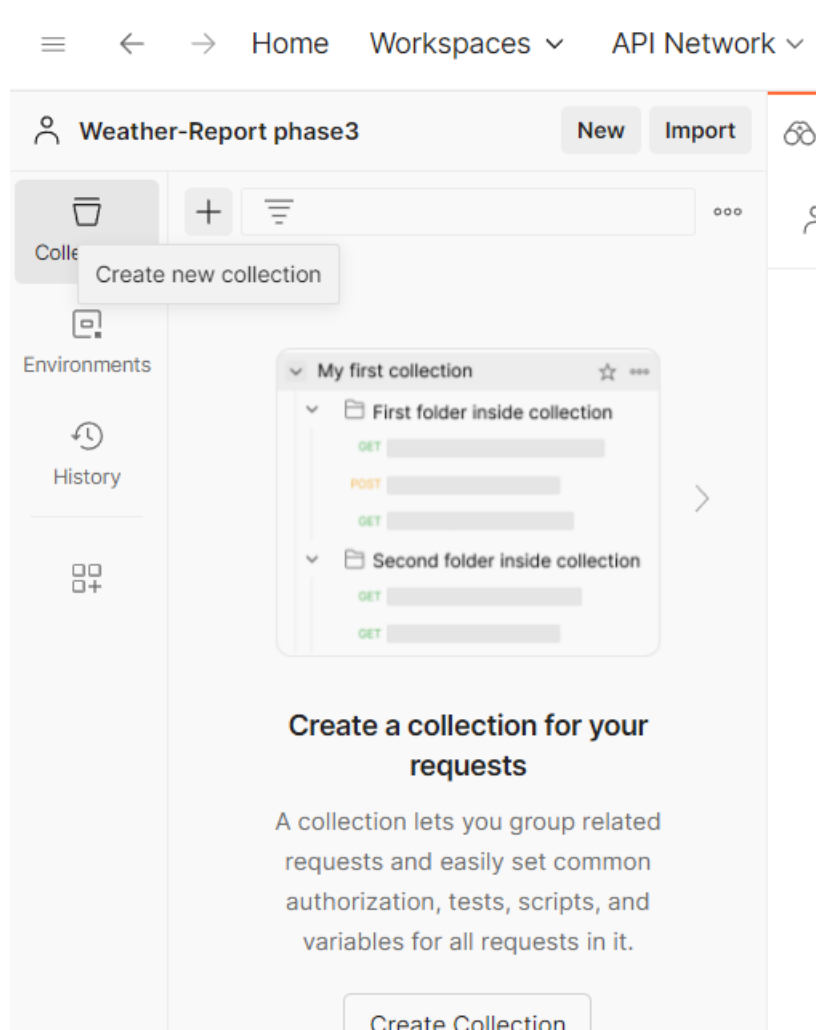
- ☒ Personal
Only you can access
- ☐ Private
Only invited team members can access
- ☐ Team
All team members can access
- ☐ Partner
Only invited partners and team members can access
- ☐ Public
Everyone can view

Step 2 of 2

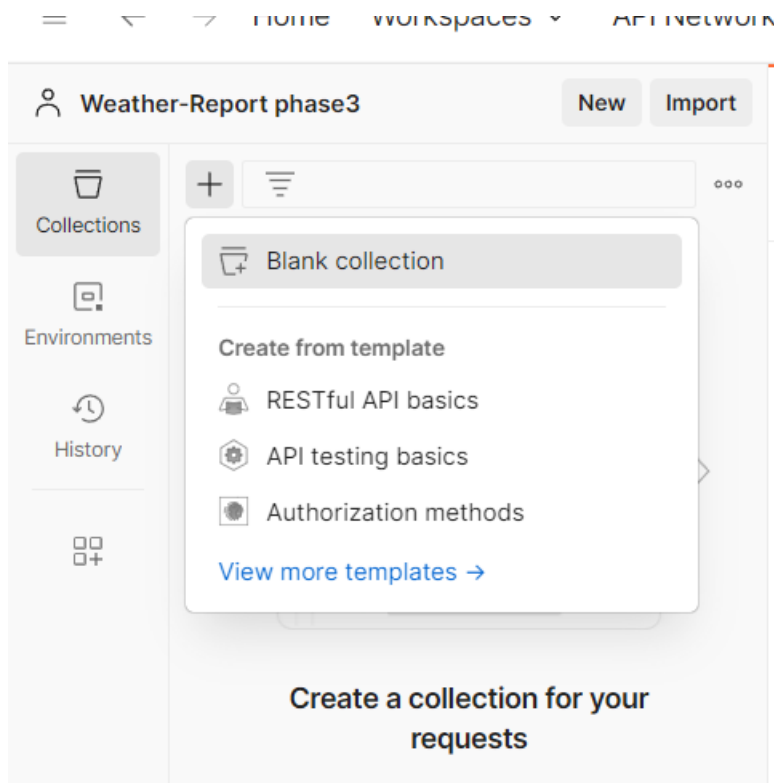
Back

Create

Clicking on + button to add collection



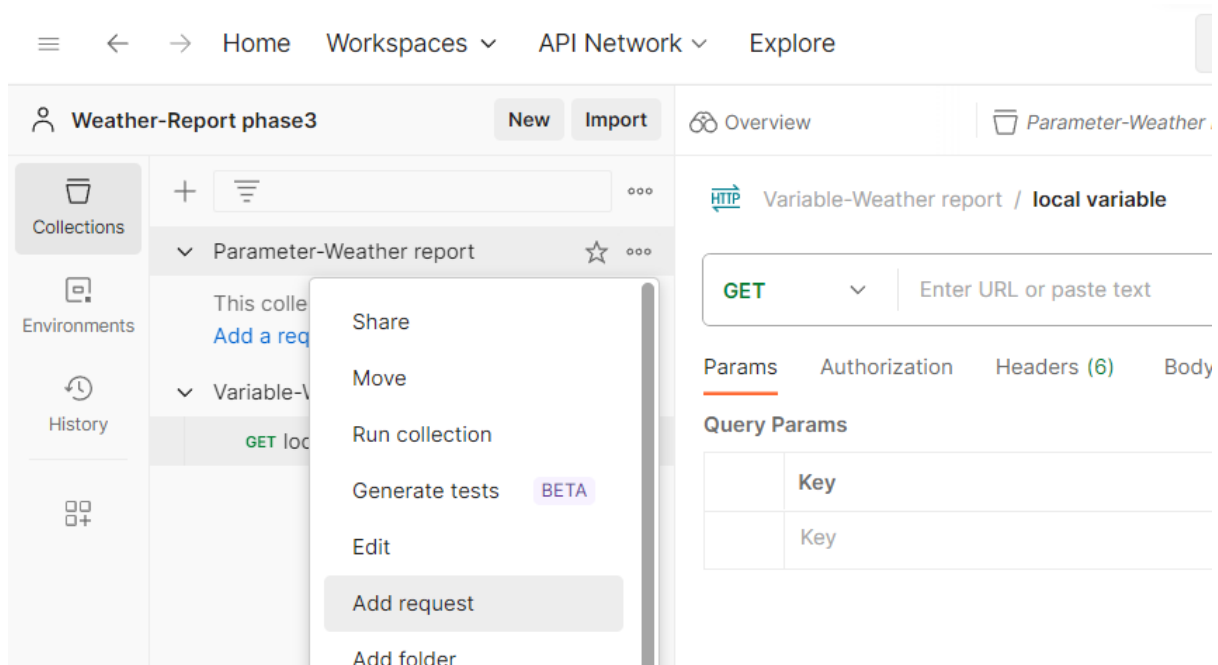
Selecting blank collection

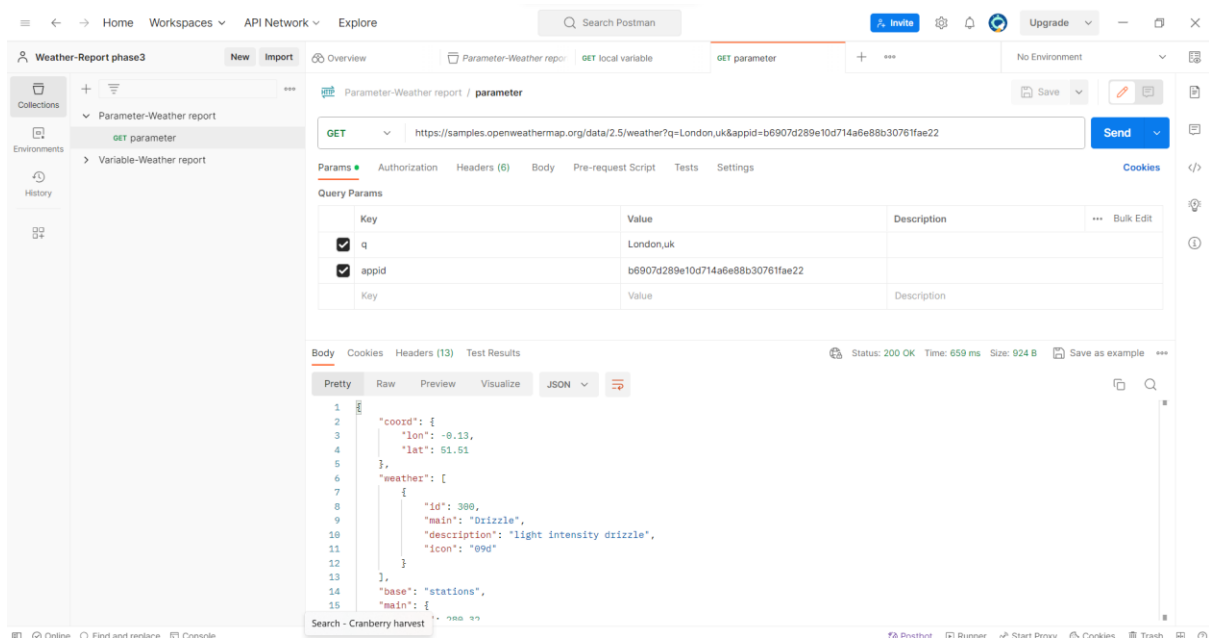


Created a collection named as parameter-weather report

And click on the three dots

And selected add request.



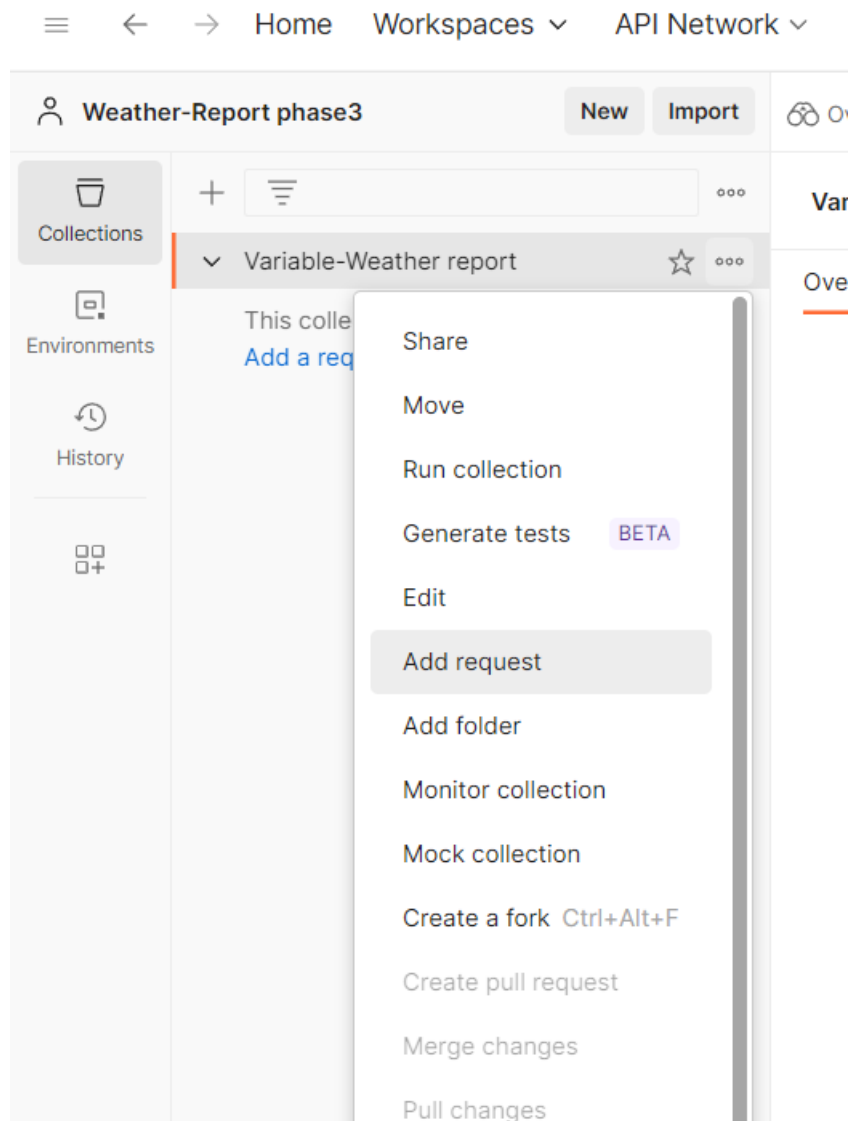


Enter the url.select GET method. in params the key and value are appears once it is saved

Then click on send to the view the request.in down the result is appeared in the pic.

Click on send button to see the output.

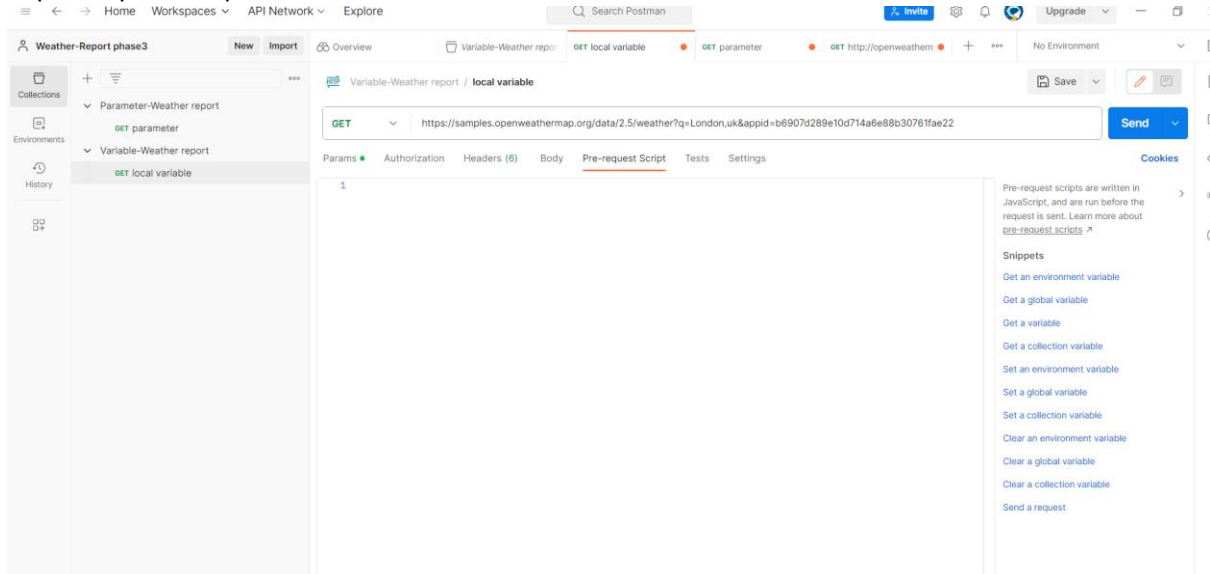
Then click on the collection to add another request for types of variables



Request name=local variable

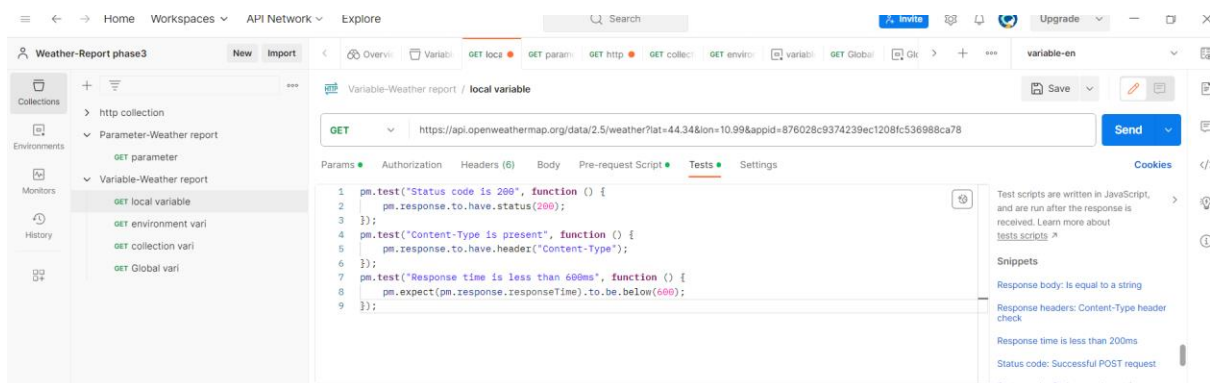
Method=GET Method

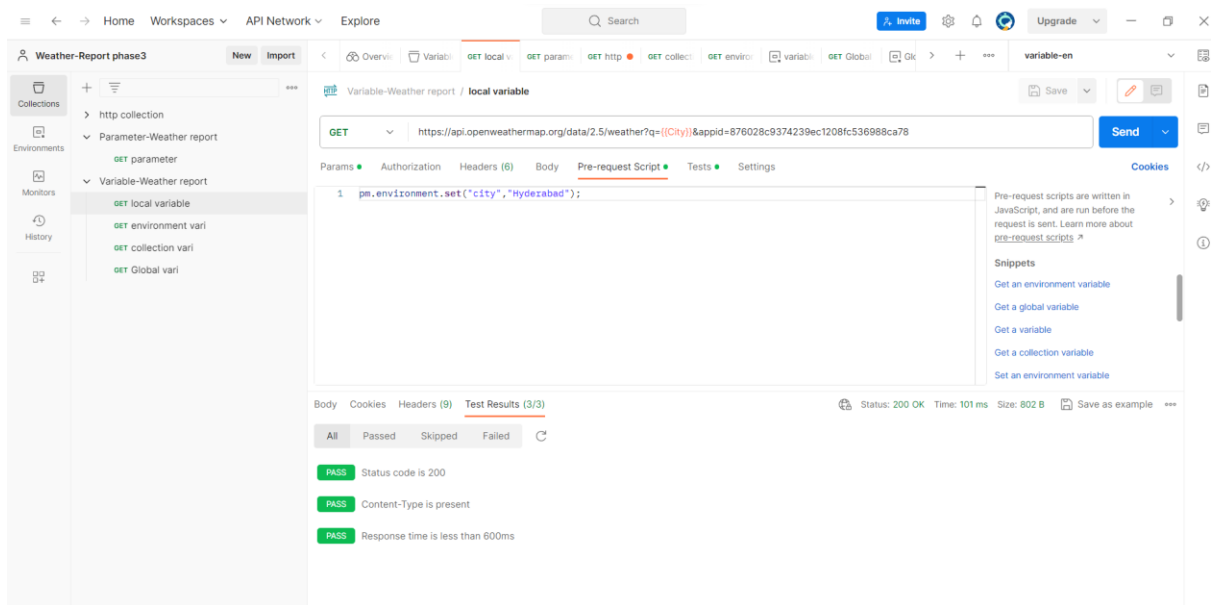
In pre-request script



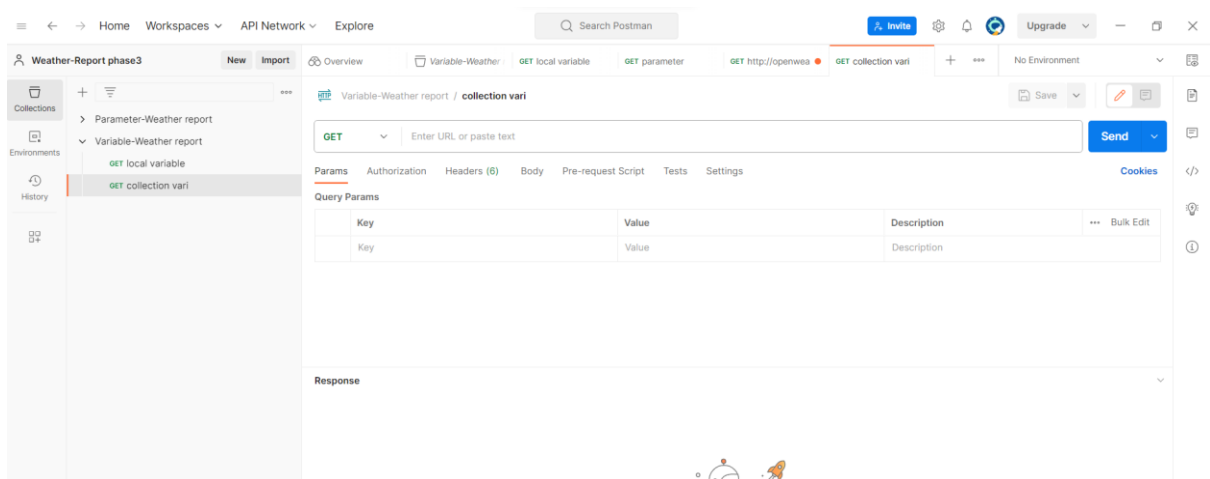
We set a local environment variable.

City=Hyderabad

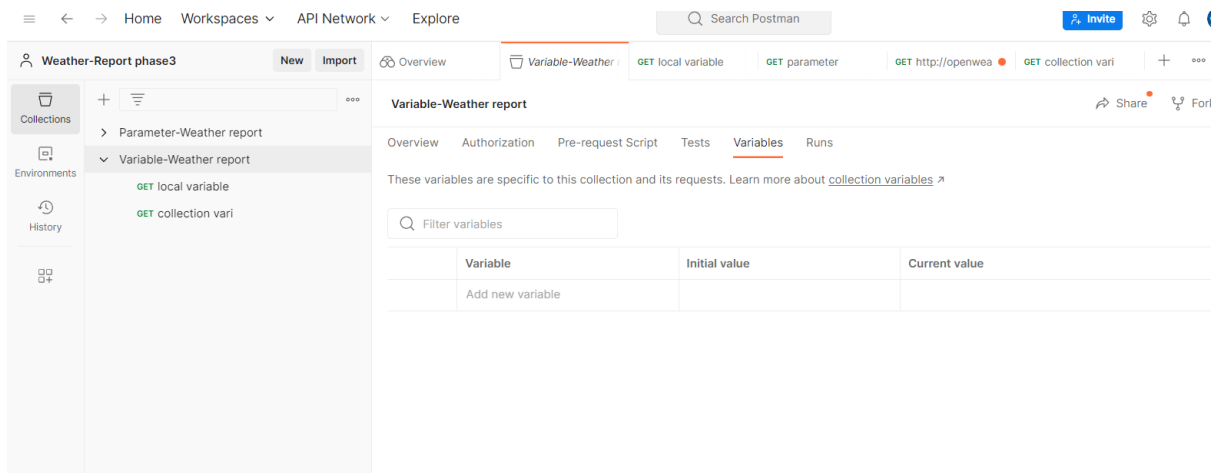


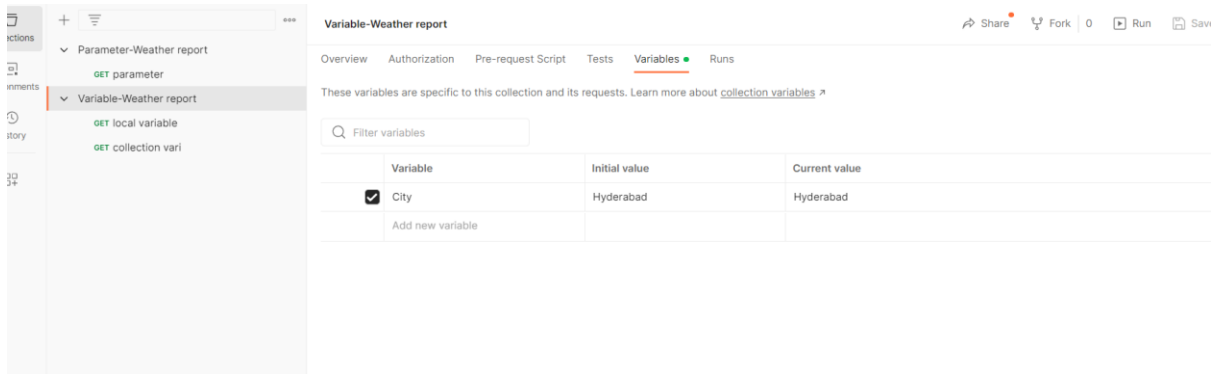


Collection variable

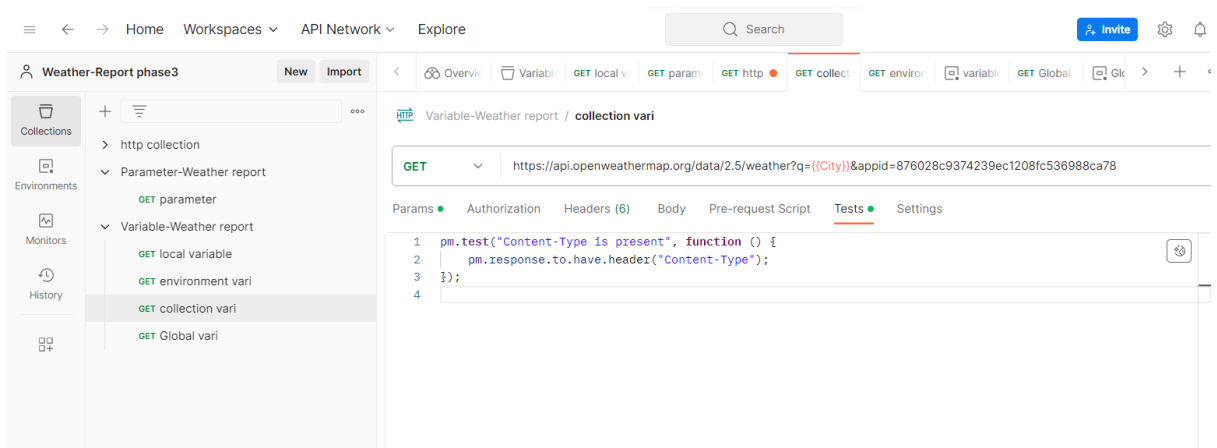


In collection ,we set the collection variable

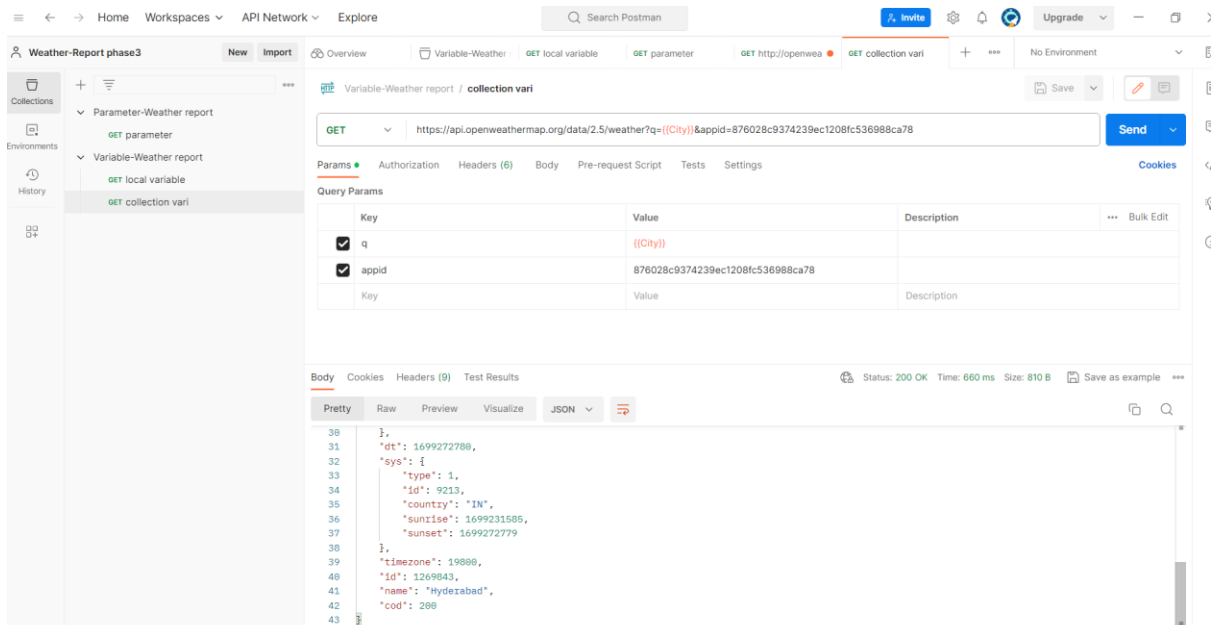


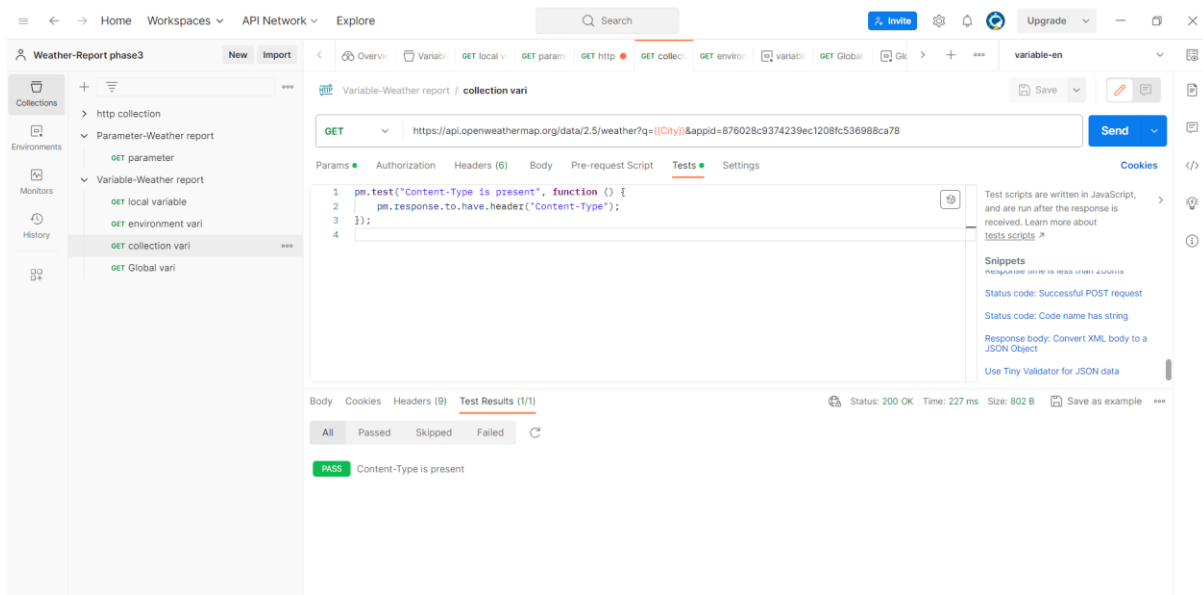


in test we added



Click on send button.

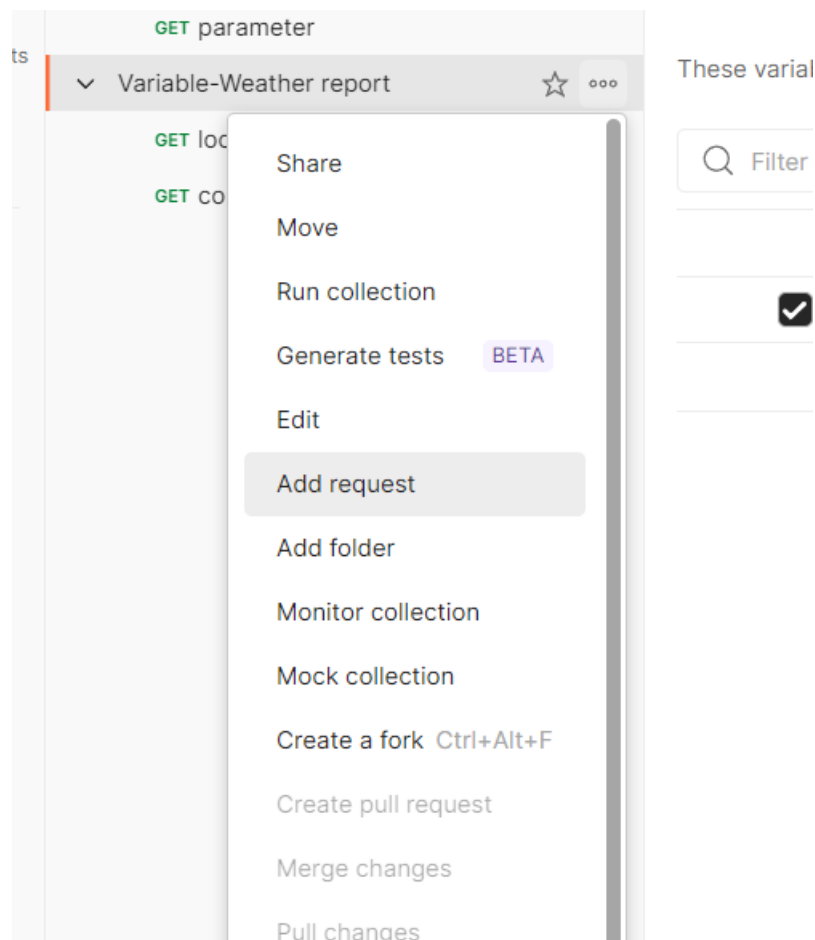


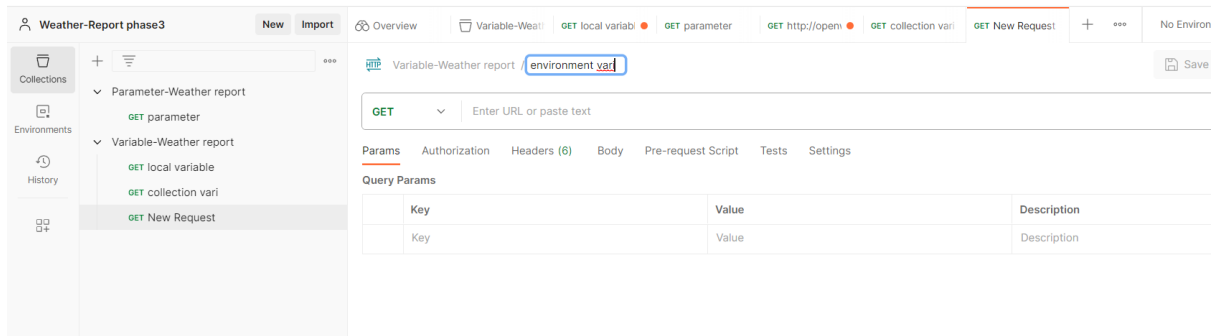


Environment variable

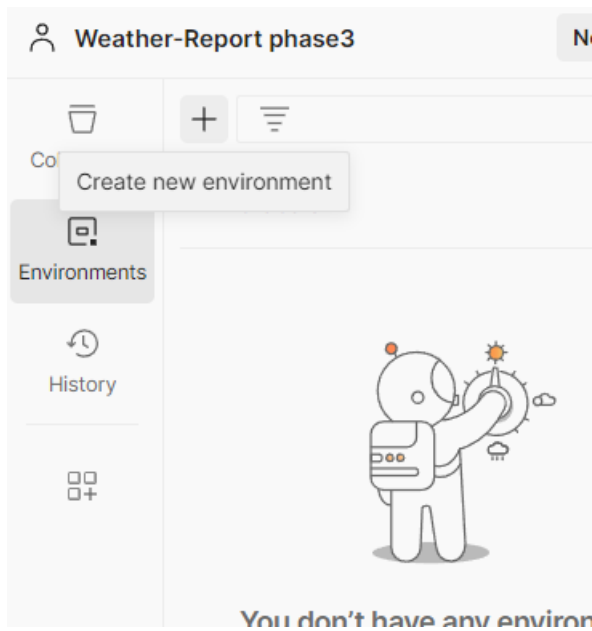
To add environment ,we added a request to collection,

Given name as environment vari.

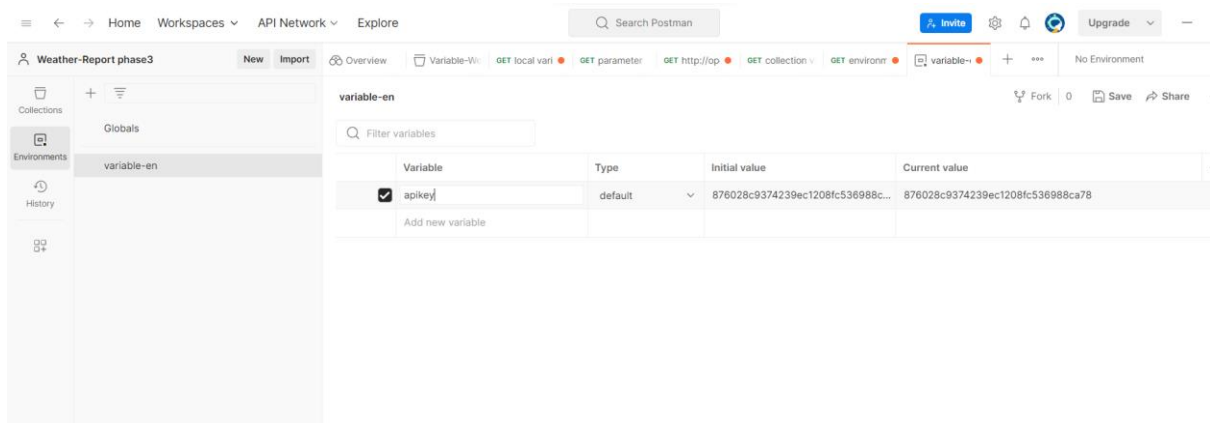


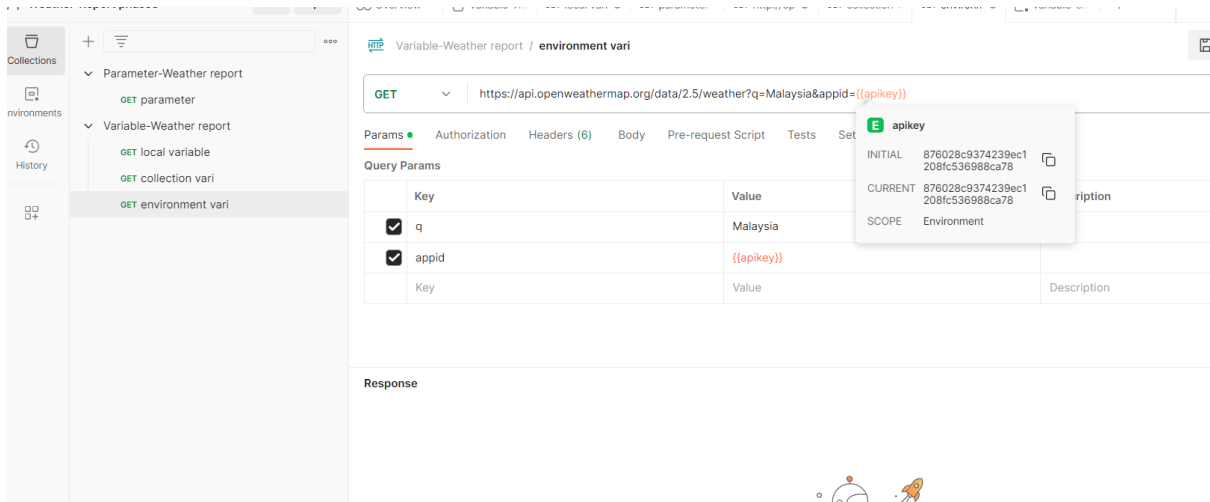


then click on the environments

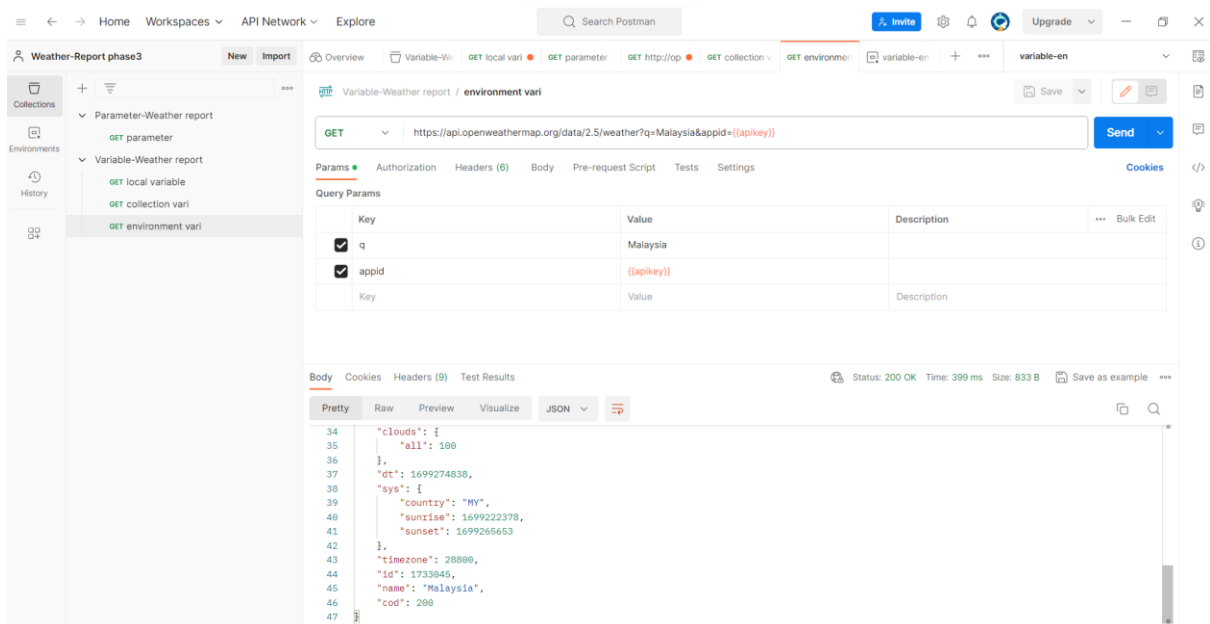


then added a variable to the environment

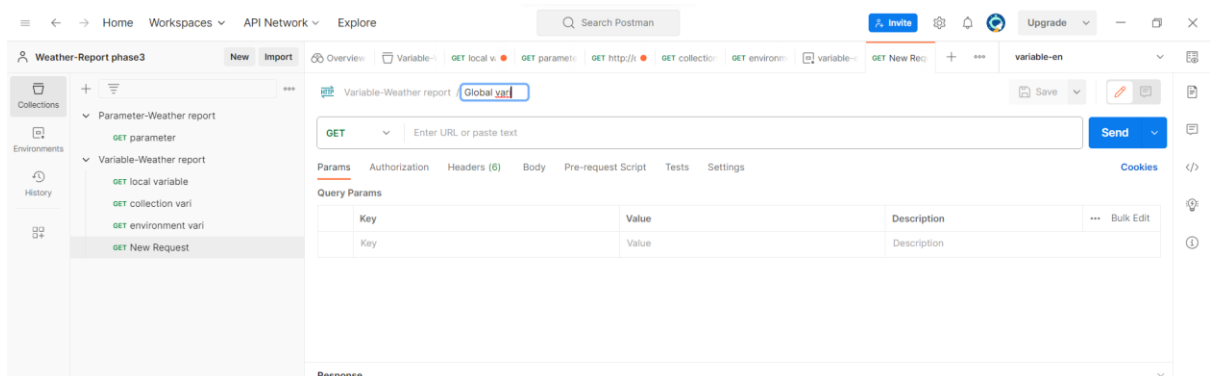




Click on the send button to view the result



Global variable



First click on environment then click on the global to add global environment which can access by any collection

Weather-Report phase3

New Import

6

Collections

Environments

History

+

☰

Globals

variable-en

✓

Weather-Report phase3

New Import

Overview Variable GET local GET param GET http GET collect GET environ variable GET Glob GET Globi + *** variable-en

Collections

Environments

History

+

☰

Globals

variable-en

✓

Save

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
✓	URL	default	https://api.openweathermap.org	https://api.openweathermap.org
	Add new variable			

Home Workspaces ▾ API Network ▾ Explore

Search Postman

Invite

Weather-Report phase3

New Import

Overview Variable GET local GET param GET http GET collect GET environ variable GET Glob GET Globi +

Collections

Environments

History

+

☰

Parameter-Weather report

GET parameter

Variable-Weather report

GET local variable

GET collection vari

GET environment vari

GET Global vari

Variable-Weather report / Global vari

GET

URL

INITIAL

https://api.openweat hermap.org

CURRENT

https://api.openweat hermap.org

SCOPE

Global

Params

Auth

Query Params

Key	Value	Description
q	Malaysia	
appid	{{apikey}}	
Key	Value	Description

Then click on send button.

Weather-Report phase3

NewImport

OverviewVariableGET localGET parameGET httpGET collectiGET environvariableGET GlobalGlobals+***variable-

Collections

Parameter-Weather report

GET parameter

Variable-Weather report

GET local variable

GET collection vari

GET environment vari

GET Global vari

Variable-Weather report / Global vari

Save

GET

{{URL}}/data/2.5/weather?q=Malaysia&appid={{apikey}}

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Query Params

	Key	Value	Description
<input checked="" type="checkbox"/>	q	Malaysia	
<input checked="" type="checkbox"/>	appid	{{apikey}}	
	Key	Value	Description

Body

Cookies

Headers (9)

Test Results

Status: 200 OK

Time: 381 ms

Size: 833 B

Pretty

Raw

Preview

Visualize

JSON

34

35

36

37

38

39

40

41

42

43

44

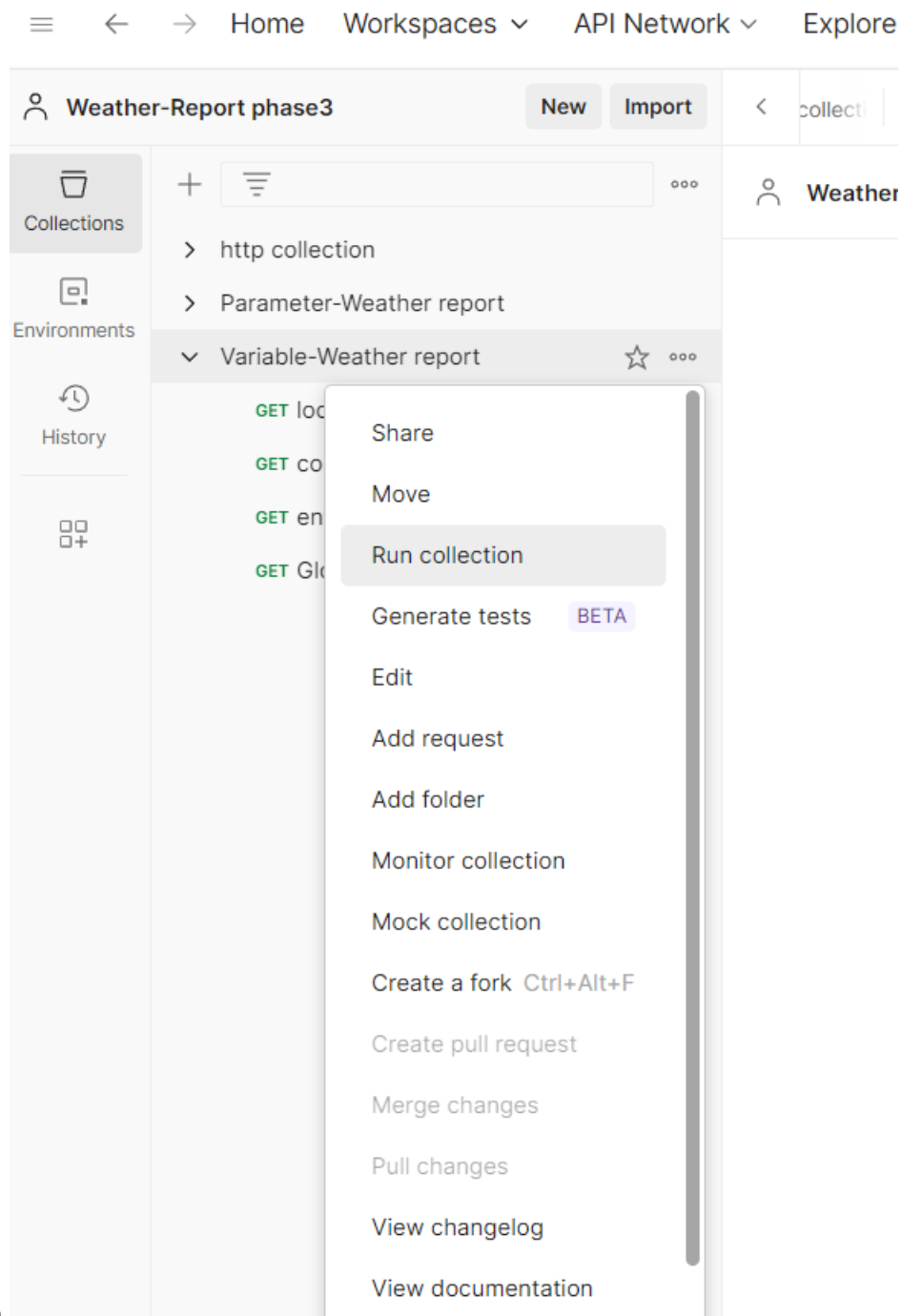
45

46

47

"clouds": {
 "all": 100
},
"dt": 1699274838,
"sys": {
 "country": "MY",
 "sunrise": 1699222378,
 "sunset": 1699265653
},
"timezone": 28800,
"id": 1733045,
"name": "Malaysia",
"cod": 200

To run the collection manually ,click on the three dots on the collection select the run collection



option.

Select the request which you want to run ,and select the iteration and click on run variable to see the output.

Weather-Report phase3

Run order

- ☒ GET local variable
- ☒ GET collection vari
- ☒ GET environment vari
- ☒ GET Global vari

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 Variable-Weather report

Weather-Report phase3

Variable-Weather report - Run results

Ran today at 21:16:36 · [View all runs](#)

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	variable-en	1	1s 244ms	0	186 ms

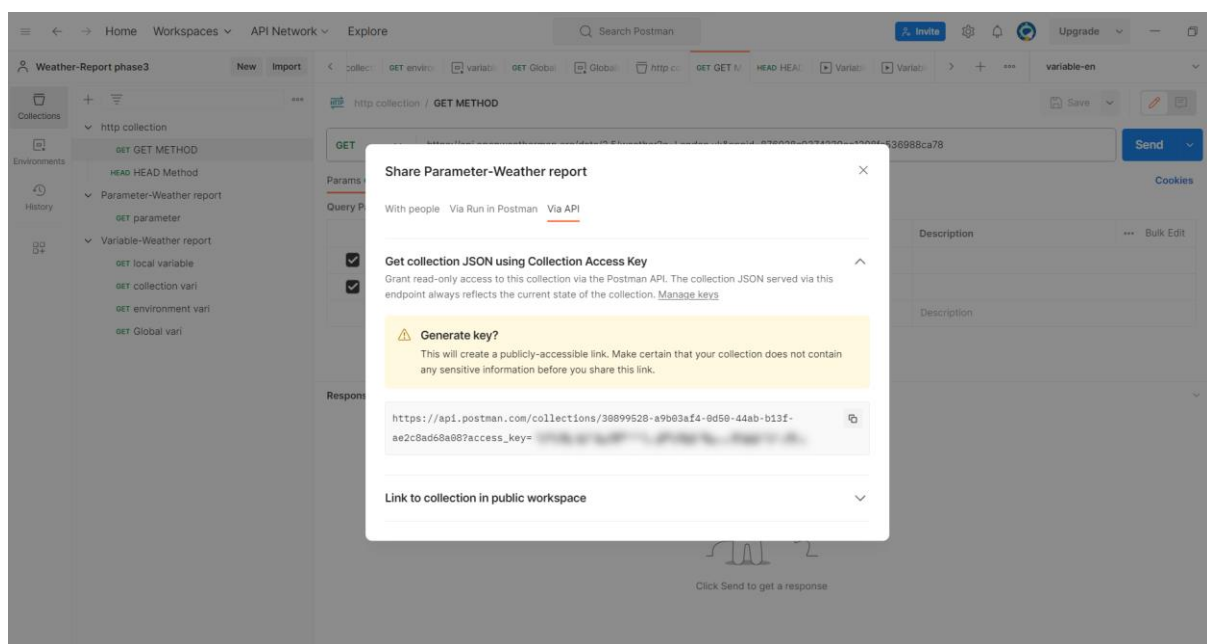
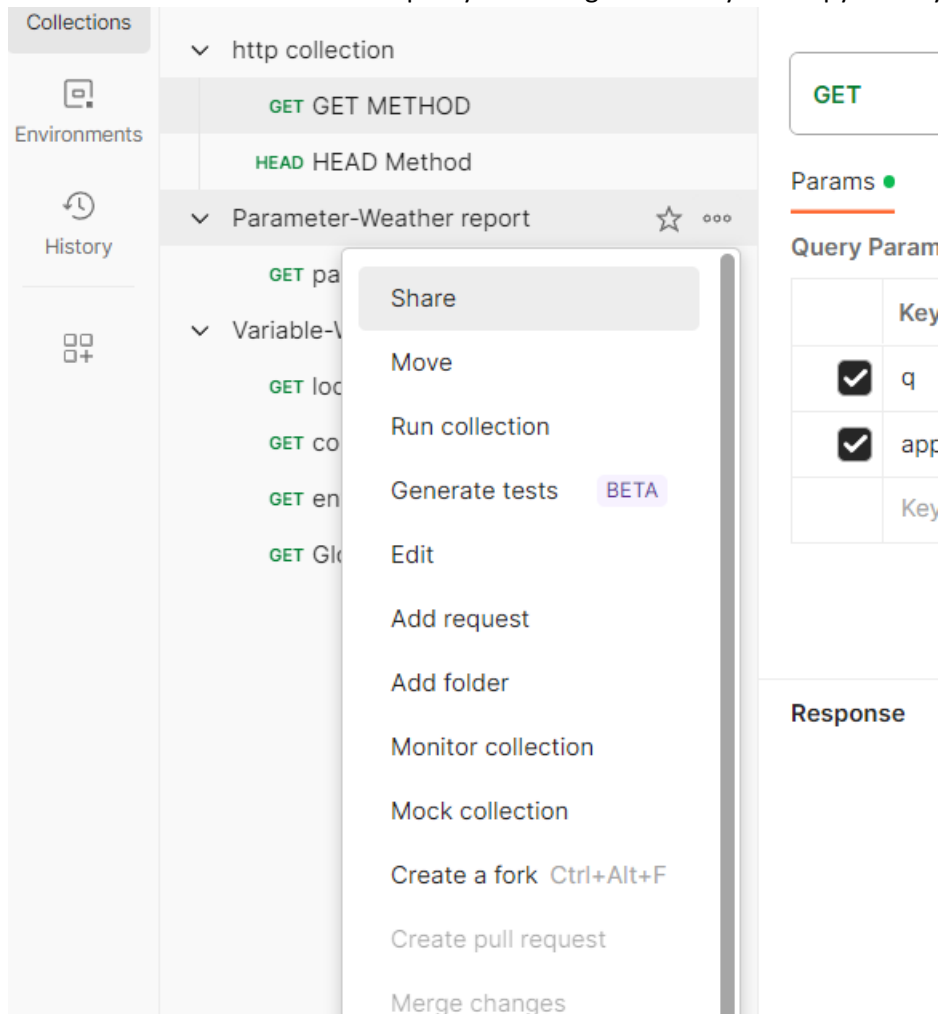
All Tests Passed (0) Failed (0) Skipped (0) [View Summary](#)

Iteration 1

- GET local variable**
https://api.openweathermap.org/data/2.5/weather?lat=44.34&lon=10.99&appid=876028c9374239ec1208fc536988ca78
200 OK 203 ms 849 B
No tests found
- GET collection vari**
https://api.openweathermap.org/data/2.5/weather?lat=Hyderabad&appid=876028c9374239ec1208fc536988ca78
200 OK 180 ms 789 B
No tests found
- GET environment vari**
https://api.openweathermap.org/data/2.5/weather?lat=Malaysia&appid=876028c9374239ec1208fc536988ca78
200 OK 180 ms 837 B
No tests found
- GET Global vari**
https://api.openweathermap.org/data/2.5/weather?lat=Malaysia&appid=876028c9374239ec1208fc536988ca78
200 OK 182 ms 837 B
No tests found

To run the collection in local machine by command prompt via newman tool.

Click on the three dot to the collection which you want to run in command prompt via newman and select the share button. then via api key .click on generate key and copy the key.



Then type the following code

Newman run paste the copied key.

```
Microsoft Windows [Version 10.0.22621.2506]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Vanak>newman run https://api.postman.com/collections/30899528-a9b03af4-0d50-44ab-b13f-ae2c8ad68a08?access_key=PAT-01HEJNH0AW8K084EJX179V64HN
```

```
C:\windows\system32\cmd.exe
GET https://api.openweathermap.org/data/2.5/weather?q=Hyderabad&appid=876028c9374239ec1208fc536988ca78 [200 OK, 802B, 332ms]
  ✓ Status code is 200
  ✓ Content-Type is present
  ✓ Response time is less than 600ms

→ environment vari
GET https://api.openweathermap.org/data/2.5/weather?q=Malaysia&appid={{apikey}} [401 Unauthorized, 441B, 88ms]

→ collection vari
GET https://api.openweathermap.org/data/2.5/weather?q=Hyderabad&appid=876028c9374239ec1208fc536988ca78 [200 OK, 802B, 1457ms]
  ✓ Content-Type is present

→ Global vari
GET https://api.openweathermap.org/data/2.5/weather?q=Malaysia&appid={{apikey}} [401 Unauthorized, 441B, 875ms]
```

	executed	failed
iterations	1	0
requests	4	0
test-scripts	6	0
prerequisite-scripts	5	0
assertions	4	0
total run duration: 3s		
total data received: 1.17kB (approx)		
average response time: 688ms [min: 88ms, max: 1457ms, s.d.: 527ms]		

```
C:\Users\Vanak>
```

Running collection via jenkins.

Click on the collection and select the run collection,

≡ ← → Home Workspaces ▾ API Network ▾ Explore

Weather-Report phase3

New Import

envirot

variable

GET Glob

Collections

Environments

History

+

> http collection

> Parameter-Weather report

> Variable-Weather report

Share

Move

Run collection

Generate tests BETA

Edit

Add request

Add folder

Monitor collection

Mock collection

Create a fork Ctrl+Alt+F

Create pull request

Merge changes

Pull changes

View changelog

View documentation

Rename Ctrl+E

Duplicate Ctrl+D

Variable-Weather report - Run

Ran today at 21:28:32 · [View a](#)

Source	Environment
Runner	variable-en

All Tests Passed (0) Failed (0)

Iteration 1

GET local variable

<https://api.openweathermap.org/data/>

No tests found

GET collection vari

<https://api.openweathermap.org/data/>

No tests found

GET environment vari

<https://api.openweathermap.org/data/>

No tests found

GET Global vari

<https://api.openweathermap.org/data/>

No tests found

Online Find and replace Console

Select automate run via cli, then click on config setting.

Weather-Report phase3

Run order

- ☒ GET local variable
- ☒ GET collection vari
- ☒ GET environment vari
- ☒ GET Global vari

Functional Performance

Choose how to run your collection

- ☐ Run manually
- ☐ Schedule runs
- ☒ Automate runs via CLI

Run on Postman CLI

Automate using Postman's command-line tool. [Download Postman CLI](#)

Copy this command and run it in your local terminal.

```
postman login --with-api-key [Add API Key]
postman collection run 36899528-ba48c2f8-ee53-43cb-8419-66dc45265831 -e 36899528-1121ba3f-85df-4234-bf18-b6837787d983
```

You can view all your runs for this collection under the [runs](#) tab.

Run on CI/CD

[Configure command](#) to run collection on CI/CD pipeline.

Select the variable and collection, system etc.

Weather-Report phase3

Generate Postman CLI Configuration

Run your tests and validations on CI/CD using Postman CLI configuration. [Download Postman CLI](#)

Choose the collections you want to run

Collection	Environment
Variable-Weather report	variable-en
Collection	Environment
Parameter-Weather report	variable-en
Collection	Environment
http collection	variable-en

+ Add Another Collection

CI/CD configuration

CI/CD Provider	Operating system for CI/CD
Jenkins	Windows

Postman CLI command preview

Copy this command and paste it to your build configuration file

```
1 # Jenkins runs pipelines on the host system that it is setup on. To run it on windows
2 # install the server on a windows machine by following https://www.jenkins.io/doc/book/installing/windows/
```

Copy the script

The screenshot shows the Postman CI/CD configuration page. On the left, there's a sidebar with 'Collections', 'Environments', and 'History'. The main area is titled 'Weather-Report phase3' and shows 'CI/CD configuration' with 'Jenkins' selected as the provider and 'Windows' as the operating system. Below this is a 'Postman CLI command preview' section with a code editor containing a Jenkins pipeline script. The script includes comments about Jenkins setup and a stage for installing Postman CLI. A note at the bottom states that a Postman API key is needed for login.

```
1 # Jenkins runs pipelines on the host system that it is setup on. To run it on windows
2 # install the server on a windows machine by following https://www.jenkins.io/doc/book/installing/windows/
3 # once it has been setup add the below step to your pipeline file to run automated tests using Postman CLI.
4
5 pipeline {
6   agent any
7
8   tools {nodejs "your_nodejs_configured_tool_name"}
9
10  stages {
11    stage('Install Postman CLI') {
12      steps {
13        sh 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.
14          ServicePointManager]::SecurityProtocol = 3872; Iex ((New-Object System.Net.WebClient).DownloadString
15            ('https://dl-cli.postman.io/install/win64.ps1'))'
16      }
17    }
18  }
```

Note: Postman API key is needed to log in to Postman CLI

We recommend that you save your Postman API key as a secret environment variable in your CI/CD pipeline to prevent exposure. The login command already contains \$POSTMAN_API_KEY variable to get you started.

Generate API Key

Create a new job in jenkins

The screenshot shows the Jenkins 'New Item' page. The browser tabs include 'New Item [Jenkins]', 'Pipeline Syntax: Snippet Genera...', and 'Chrome Extension - Changelog'. The URL is 'localhost:8080/view/all/newJob'. The page title is 'Dashboard > All >'. The main section is 'Enter an item name' with a text input field containing 'weather report-postman' and a 'Required field' label. Below this are several project type options: 'Freestyle project', 'Pipeline', 'Multi-configuration project', 'Folder', and 'Multibranch Pipeline'. Each option has a brief description. At the bottom, there's a 'Create Organization Folder' button.

Enter an item name

weather report-postman

» Required field

Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

Folder
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

Multibranch Pipeline
Creates a set of Pipeline projects according to detected branches in one SCM repository.

Create Organization Folder
Creates a set of multibranch project subfolders by scanning for repositories.

OK

Paste the script in pipe line

The screenshot shows the Jenkins 'Configure' page for a pipeline named 'weather report-postman'. The 'Pipeline script' tab is selected. The script is a Groovy pipeline with the following content:

```
1 pipeline {
2   agent any
3   tools {nodejs "node"}
4   stages {
5     stage('Install Postman CLI') {
6       steps {
7         bat 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -or [System.Net.ServicePointManager]::SecurityProtocol += [System.Net.ServicePointManager]::Tls12; powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "curl -sS https://get-postman.com | powershell -"'
8       }
9     }
10    stage('Postman CLI Login') {
11      steps {
12        bat 'postman login --with-api-key PMAK-65447d91dca907002a13251f-877cc06f3b871fd060ca926f0557f58451'
13      }
14    }
15  }
16 }
```

Below the script, there is a checkbox for 'Use Groovy Sandbox' which is checked. At the bottom, there are 'Save' and 'Apply' buttons. The bottom right corner of the page shows 'REST API' and 'Jenkins 2.414.2'.

```
1 pipeline {
2   agent any
3   tools {nodejs "node"}
4   stages {
5     stage('Install Postman CLI') {
6       steps {
7         bat 'powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "[System.Net.ServicePointManager]::SecurityProtocol = [System.Net.ServicePointManager]::SecurityProtocol -or [System.Net.ServicePointManager]::SecurityProtocol += [System.Net.ServicePointManager]::Tls12; powershell.exe -NoProfile -InputFormat None -ExecutionPolicy AllSigned -Command "curl -sS https://get-postman.com | powershell -"'
8       }
9     }
10    stage('Postman CLI Login') {
11      steps {
12        bat 'postman login --with-api-key PMAK-65447d91dca907002a13251f-877cc06f3b871fd060ca926f0557f58451'
13      }
14    }
15    stage('Running collection') {
16      steps {
17        bat 'postman collection run "30899528-ba40c2f0-ee53-43cb-a419-00dc45265031" -e "30899528-1121ba3f-85df-4234-bf18-b6037787d003"'
18        bat 'postman collection run "30899528-a9b03af4-0d50-44ab-b13f-ae2c8ad68a08" -e "30899528-1121ba3f-85df-4234-bf18-b6037787d003"'
19        bat 'postman collection run "30899528-8bd5a917-f115-4c25-9957-931da6d23447" -e "30899528-1121ba3f-85df-4234-bf18-b6037787d003"'
20      }
21    }
22  }
23 }
```

Click on build now to run the job in jenkins,you can see the output.

weather report-postman (Jenkin


Pipeline Syntax: Snippet Genera

Pipeline Syntax: Snippet Genera




Pipeline Syntax: Snippet Genera

Chrome Extension - Changelog

localhost:8080/job/weather%20report-postman/

 **Jenkins**

Search (CTRL+K)

 1  2 

Dashboard > weather report-postman >

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

Build History

trend

Filter builds...

#3

Nov 6, 2023, 9:43 PM

#2

Nov 6, 2023, 9:40 PM

Pipeline weather report-postman

Stage View

Average stage times:
(Average full run time: ~36s)

#3

Nov 06 21:43

No Changes

#2

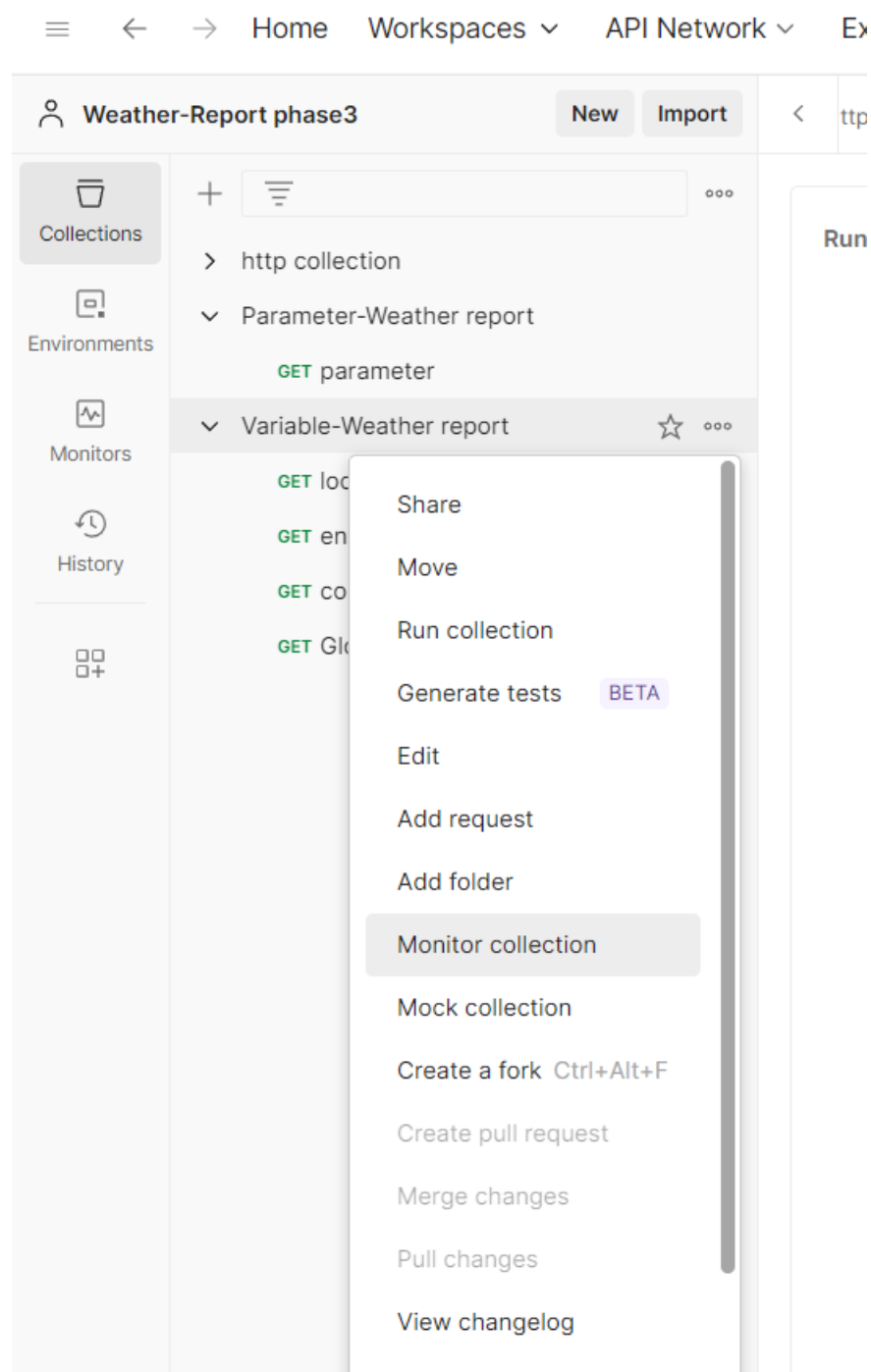
Nov 06 21:40

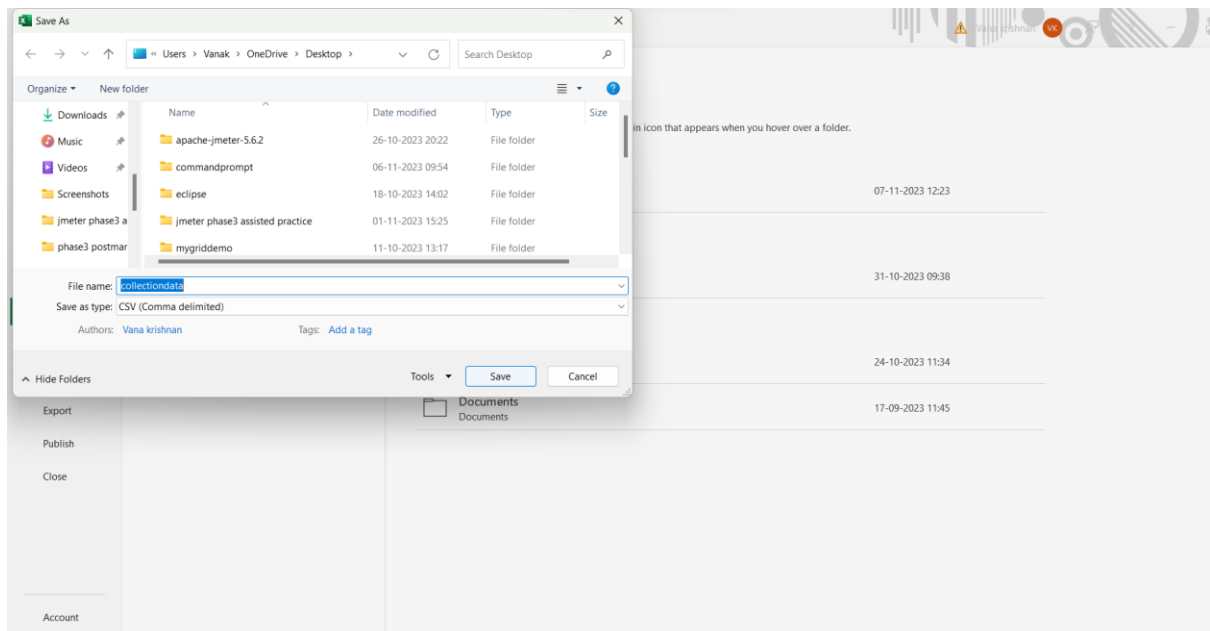
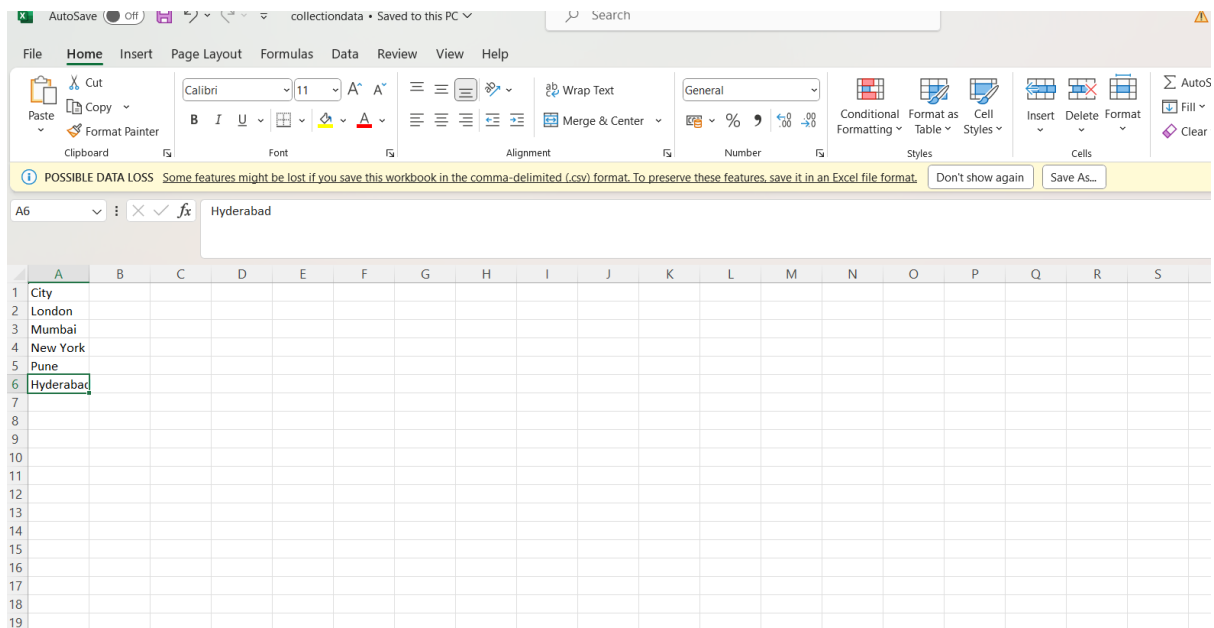
No Changes

#1

Declarative: Tool Install	Install Postman CLI	Postman CLI Login	Running collection
196ms	14s	4s	10s
192ms	15s	4s	15s
201ms	13s	4s	5s failed

Running through monitor and csv data





phase3-Lesson2-APITesting

GET openweather-getDemo

GET openweather-getDemo-variable

GET parameterizedDemo

CollectionRun-newman

GitHub-API

GET GetAllrepos

GET get a specific repo

POST Creating repo name via postman

GET creating repo by postman-chin...

DEL Delete repo via postman

GitHub-API Copy

HTTPMethod-Demo

Monitor-using csv

GET New Request

Variable-Demo

Data file (optional)

Only JSON and CSV files are accepted. Max 1 MB.

Select File

Run this monitor

Check your usage limits

Week timer

Every day

12:00 PM

Regions

You can select one or more regions to monitor your requests from. Learn more

Automatically select region

Manually select region

Receive email notifications for run failures and errors

vaidehi.a2000@gmail.com

Add another recipient email

Stop notifications after 3 consecutive failures

Retry if run fails (This might affect your billing.)

Set request timeout

Set delay between requests

Follow redirects

Enable SSL validation

Open

OneDrive - Personal > Desktop

Search Desktop

Organize New folder

Name Date modified Type Size

Home

Gallery

OneDrive - Personal

Desktop

Documents

Pictures

Download

collectiondata

Eclipse IDE for Java Developers - 2023-09

jmeter phase3 assisted practice

mydata

File name: collectiondata

All Files

Open Cancel

Weather-Report phase3

Variable-Weather report HEALTHY

View: Run summary Individual requests

Filter By: All Requests Type: All Run result: All US (East) Clear Filters

1.34 s

1.33 s

1.32 s

1.31 s

1.30 s

0

0

0

0

0

1:50 PM

Nov 7

0 failed tests, 0 errors, across 1 region 01:50 PM, 07 Nov 2023

Run on data from collectiondata.csv

Test Results Console Log

Online Find and replace Console

Postbot Runner Start Proxy Cookies Trash

http collection

Parameter-Weather report

GET parameter

Variable-Weather report

GET local variable

GET environment vari

GET collection vari

GET Global vari

Nov 7

0 failed tests, 0 errors, across 1 region 01:50 PM, 07 Nov 2023

Run on data from collectiondata.csv

Test Results Console Log

All Tests Passed Failed

Iteration 1

GET local variable https://api.openweathermap.org/data/2.5/weather?q=London&appid=876028c9374239ec1208fc536988ca78 200 OK 130 ms 466 B

PASS Status code is 200

PASS Content-Type is present

PASS Response time is less than 600ms

GET environment vari https://api.openweathermap.org/data/2.5/weather?q=Malaysia&appid=876028c9374239ec1208fc536988ca78 200 OK 102 ms 496 B

No tests found

GET collection vari https://api.openweathermap.org/data/2.5/weather?q=London&appid=876028c9374239ec1208fc536988ca78 200 OK 22 ms 466 B

PASS Content-Type is present

GET Global vari https://api.openweathermap.org/data/2.5/weather?q=Malaysia&appid=876028c9374239ec1208fc536988ca78 200 OK 38 ms 496 B

No tests found

Adding a request giving methods as HEAD

Click on send button to view the result.

The screenshot displays the OpenAPI Explorer interface for a workspace named "Weather-Report phase3". The left sidebar shows a tree view of collections, with "Variable-Weather report" expanded and "environment vari" selected. The main panel shows a HEAD request to the URL "https://api.openweathermap.org/data/2.5/weather?q=Malaysia&appid=([apikey])". The "Params" tab is active, showing query parameters "q" (value: Malaysia) and "appid" (value: ([apikey])). The "Headers" tab is also visible, showing a list of headers including "Server", "Date", "Content-Type", "Content-Length", "Connection", "X-Cache-Key", and "Access-Control-Allow-Origin". The "Send" button is located at the top right of the request editor. The bottom status bar shows the request was successful with a status of 200 OK, a time of 741 ms, and a size of 323 B.

Variable-Weather report / environment vari

HEAD

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

Query Params

Key	Value	Description
<input checked="" type="checkbox"/> q	Malaysia	
<input checked="" type="checkbox"/> appid	([apikey])	
Key	Value	Description

Body Cookies Headers (9) Test Results Status: 200 OK Time: 741 ms Size: 323 B Save as example

Key	Value
Server	openresty
Date	Tue, 07 Nov 2023 08:21:24 GMT
Content-Type	application/json; charset=utf-8
Content-Length	496
Connection	keep-alive
X-Cache-Key	/data/2.5/weather?q=malaysia
Access-Control-Allow-Origin	*