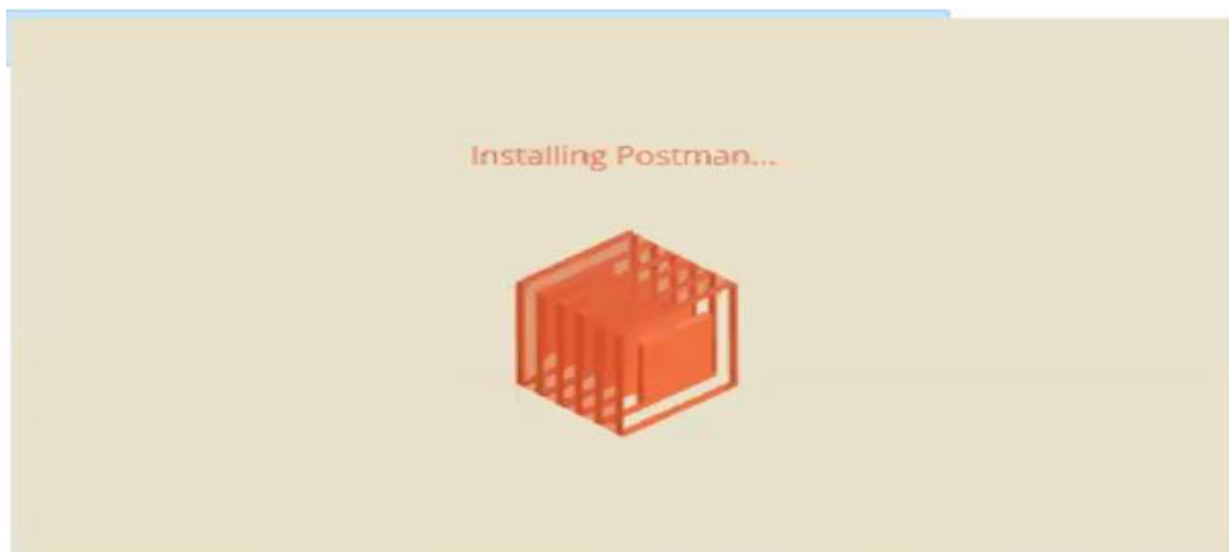
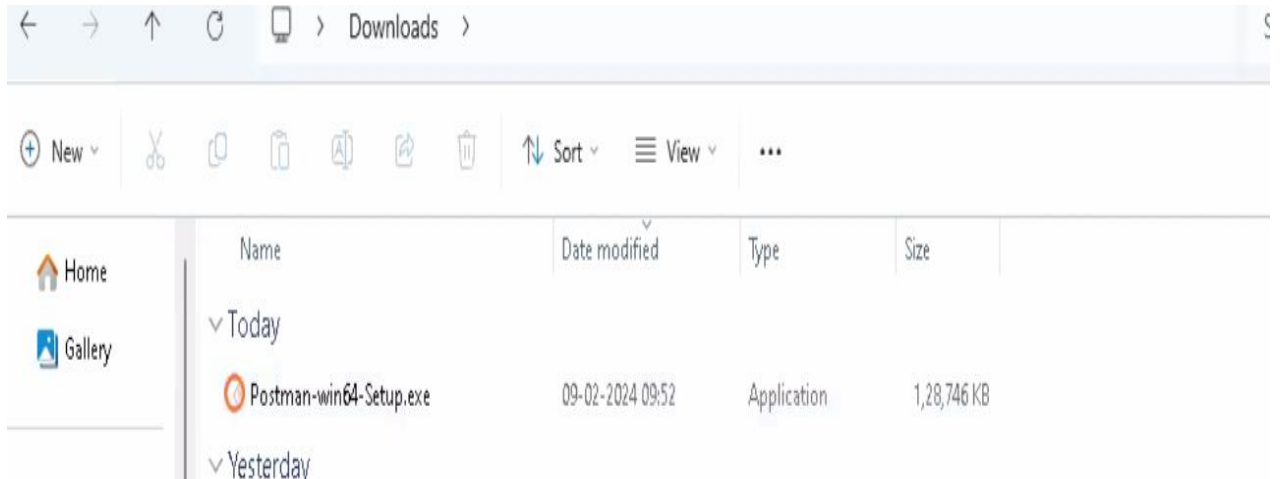


**PHASE-3 ASSISTED
PRACTICE PROJECT**

**EMP ID: 2587325
NAME: HIRANMAI**

1) Postman Setup.





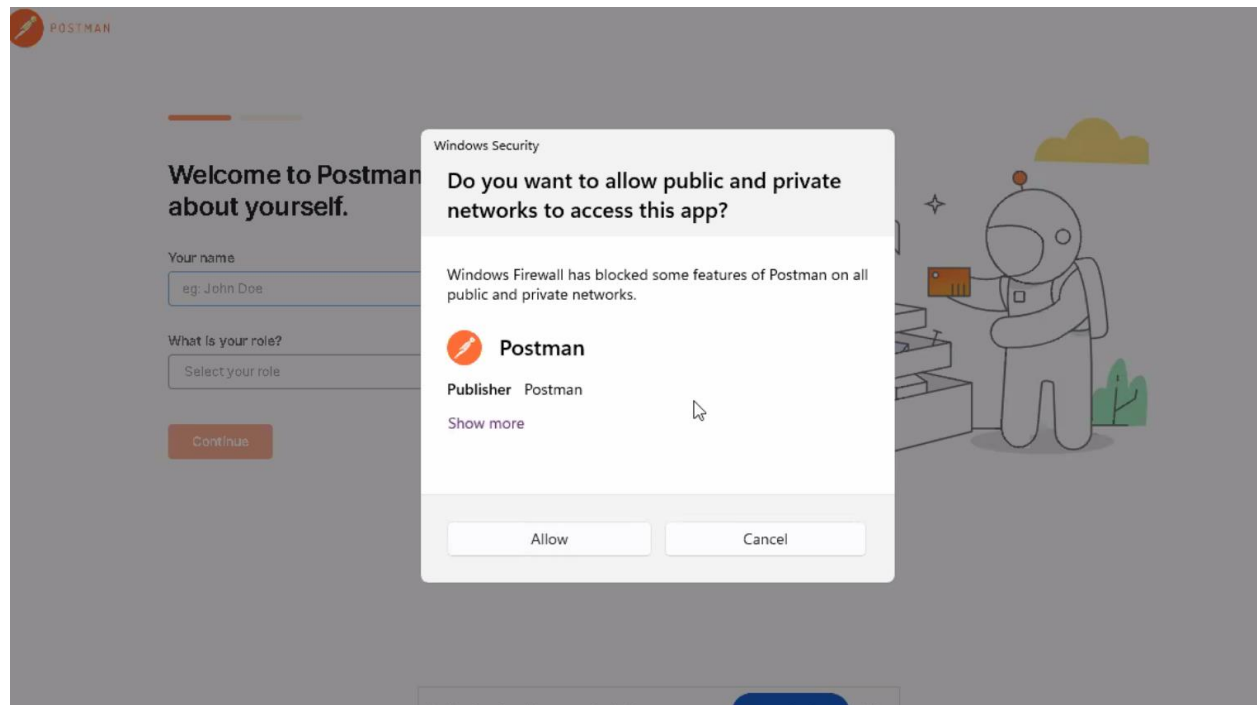
Scratch Pad is being discontinued, sign up to continue using collections

Sign up or sign in to continue accessing all of Postman's features. If you prefer not to sign in, you can still use our lightweight API Client to build and send requests. For more details, read our [blog](#).

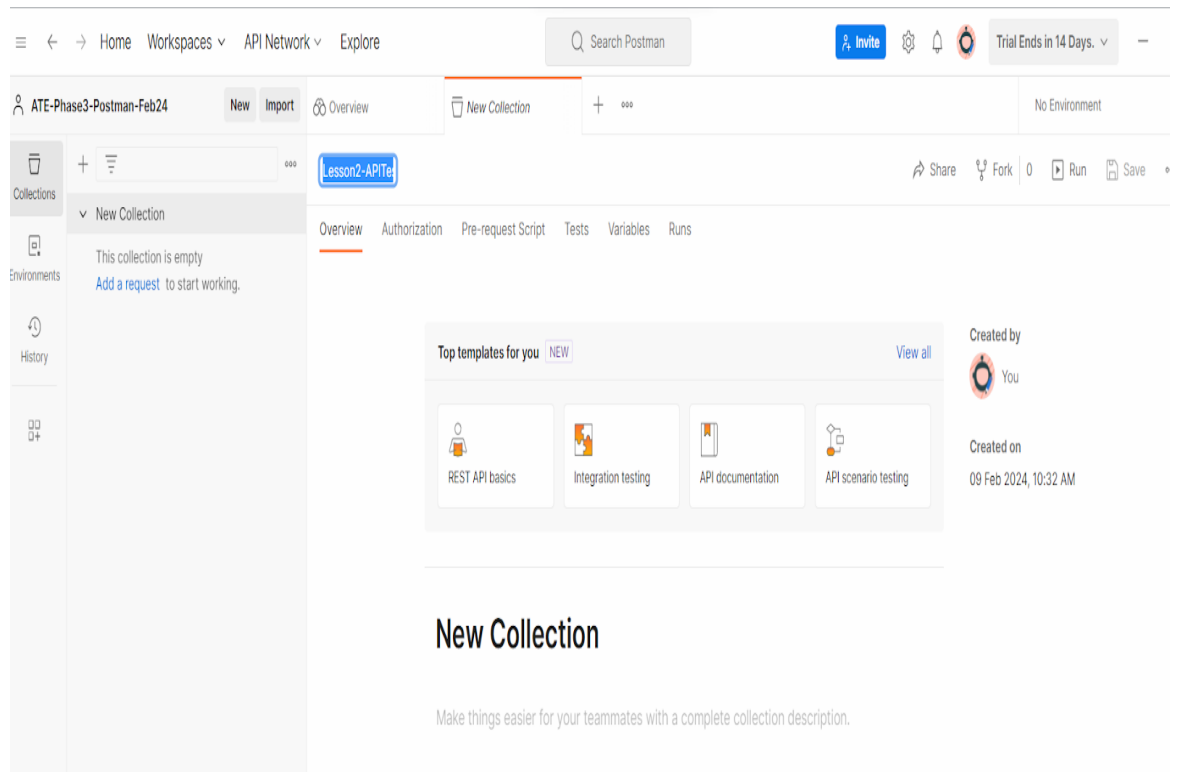
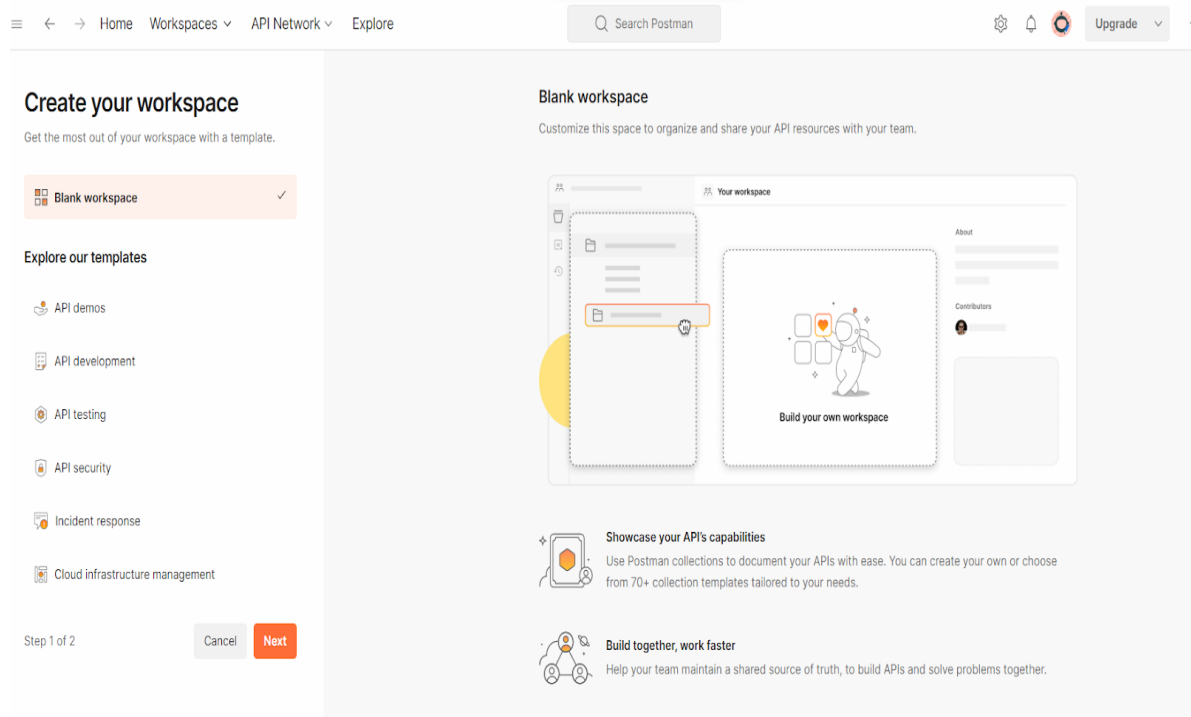
Sign up for Free

Sign In

Switch to Lightweight API Client →



2) First API Request



4) Working with GET Requests

The screenshot displays the Postman interface for a workspace named "ATE-Phase3-Postman-Feb24". The top navigation bar includes a search bar labeled "Search Postman" and a trial notice: "Trial Ends in 11 Days". The left sidebar shows the "Collections" and "Environments" sections. Under "Environments", the "env1" environment is selected. The main panel is titled "Variables-Demo / LocalVariable" and shows a GET request to the URL: `https://api.openweathermap.org/data/2.5/weather?appid=aa9126a7d7b4c20f33602b045a197e3f&q={{City}}`. The "Pre-request Script" tab is active, containing the code: `1 pm.environment.set("City", "New York");`. The "Send" button is visible. Below the request, the "Body" tab is selected, showing the JSON response in "Pretty" format. The status bar at the bottom indicates "Status: 200 OK", "Time: 119 ms", and "Size: 819 B".

Request Details:

- Method: GET
- URL: `https://api.openweathermap.org/data/2.5/weather?appid=aa9126a7d7b4c20f33602b045a197e3f&q={{City}}`
- Pre-request Script:

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

Response (JSON):

```
26   "deg": 29,
27   "gust": 4.47
28 },
29   "clouds": {
30     "all": 100
31   },
32   "dt": 1707709958,
33   "sys": {
34     "type": 2,
35     "id": 2008101,
36     "country": "US",
37     "sunrise": 1707652548,
38     "sunset": 1707690293
39   },
40   "timezone": "-10000",
41   "id": 5120501,
42   "name": "New York",
43   "cod": 200
44 }
```

5) Working with POST Requests

API Network

Search Postman

Invite

Trial Ends in 1

w

Import

HTTPMethods-Demo

GET Getmethod-Demo

POST POSTmethod-demo

+

env1

HTTP

HTTPMethods-Demo / POSTmethod-demo

S

POST

https://api.postman.com/workspaces

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

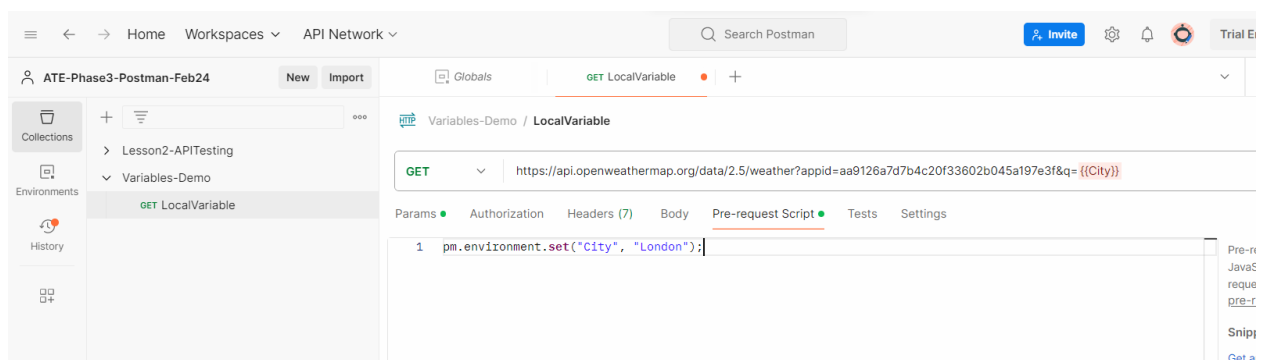
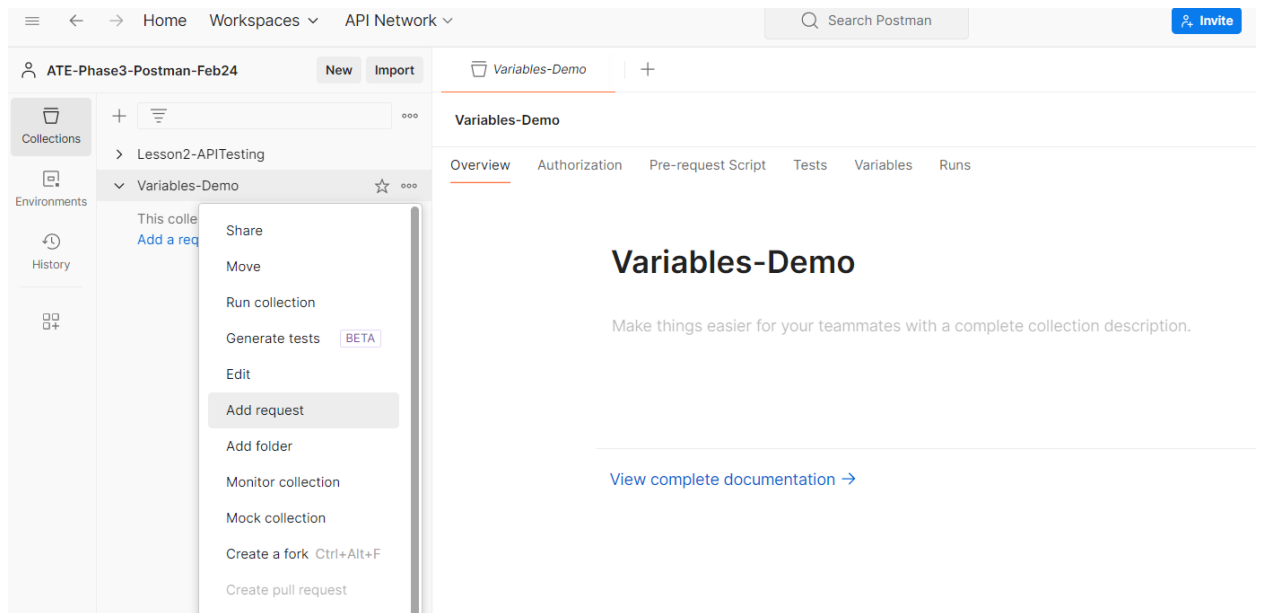
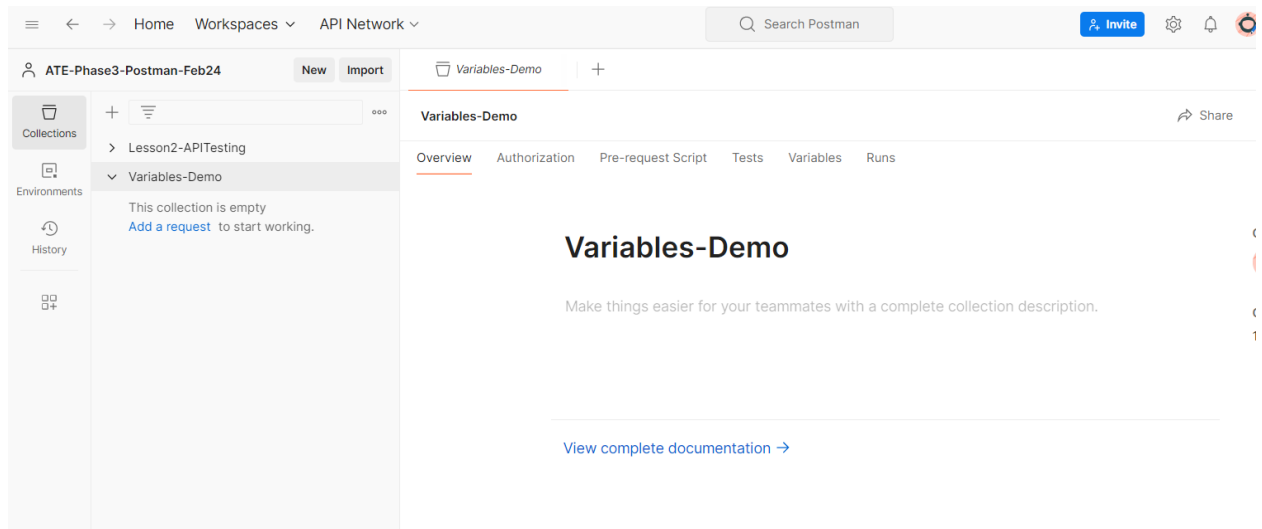
<input checked="" type="checkbox"/>	Content-Type	<i>i</i>	application/json	
<input checked="" type="checkbox"/>	Content-Length	<i>i</i>	<calculated when request is sent>	
<input checked="" type="checkbox"/>	Host	<i>i</i>	<calculated when request is sent>	
<input checked="" type="checkbox"/>	User-Agent	<i>i</i>	PostmanRuntime/7.36.1	
<input checked="" type="checkbox"/>	Accept	<i>i</i>	*/*	
<input checked="" type="checkbox"/>	Accept-Encoding	<i>i</i>	gzip, deflate, br	
<input checked="" type="checkbox"/>	Connection	<i>i</i>	keep-alive	
<input checked="" type="checkbox"/>	x-api-key		{{PMapikey}}	
	Key		Value	Description

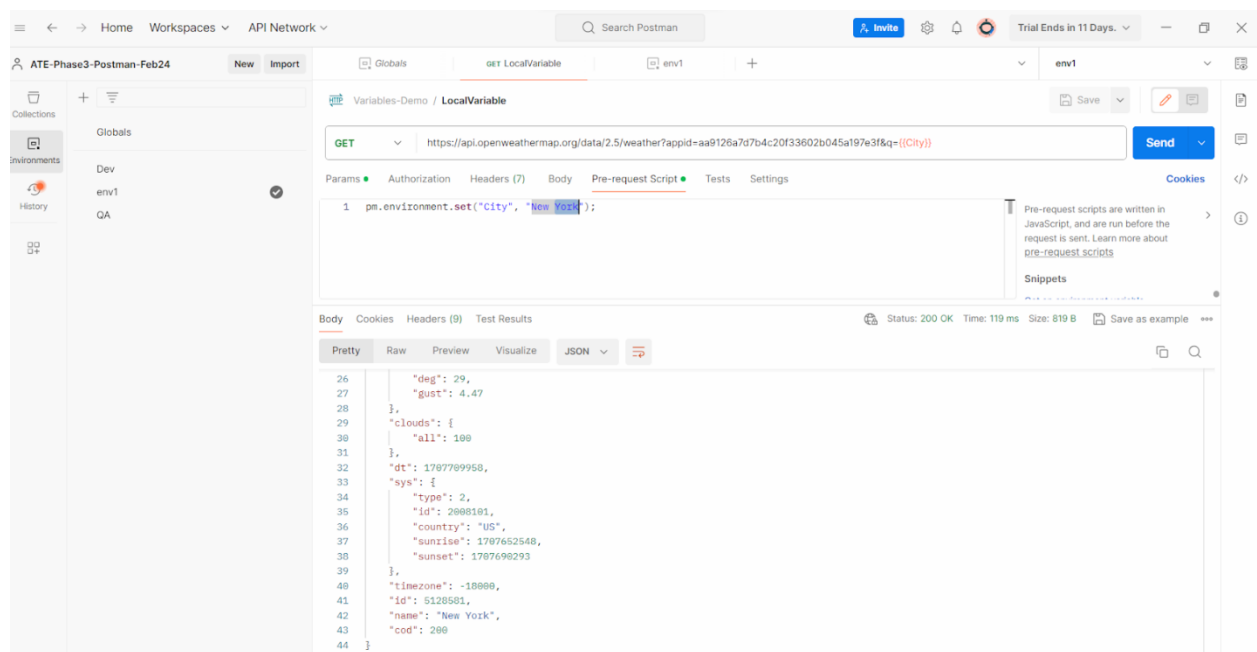
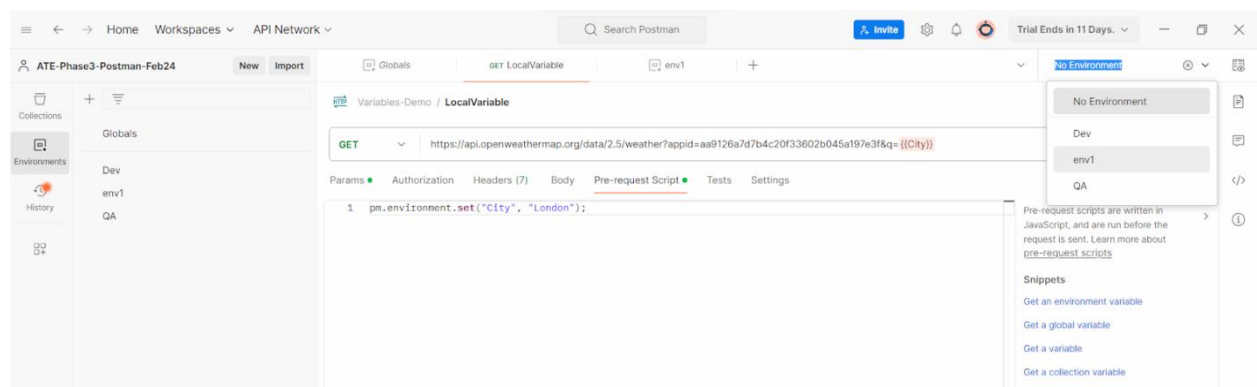
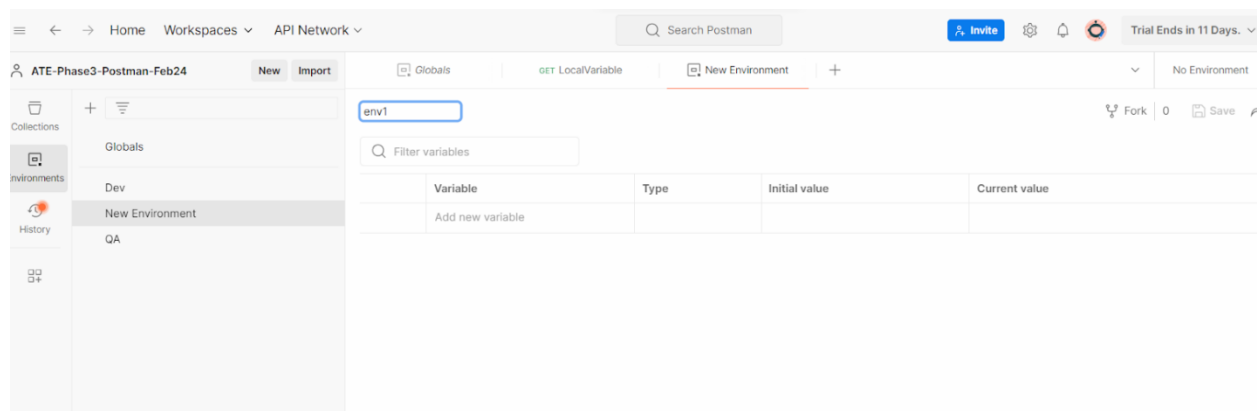
7) Create a Collection.

The screenshot shows the Postman interface with the 'Lesson2-APITesting' collection selected. The left sidebar displays the 'Collections' panel with a dropdown menu open, showing options like 'Share', 'Move', 'Run collection', 'Generate tests', 'Edit', 'Add request', 'Add folder', 'Monitor collection', 'Mock collection', 'Create a fork', 'Create pull request', and 'Merge changes'. The main panel shows the 'Lesson2-APITesting' collection details, including a description, a 'View complete documentation' link, and metadata such as 'Created by You' and 'Created on 09 Feb 2024, 10:32 AM'.

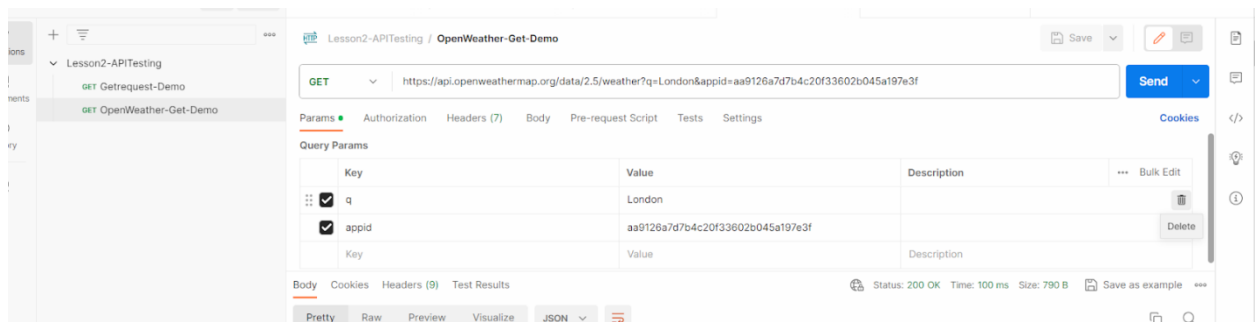
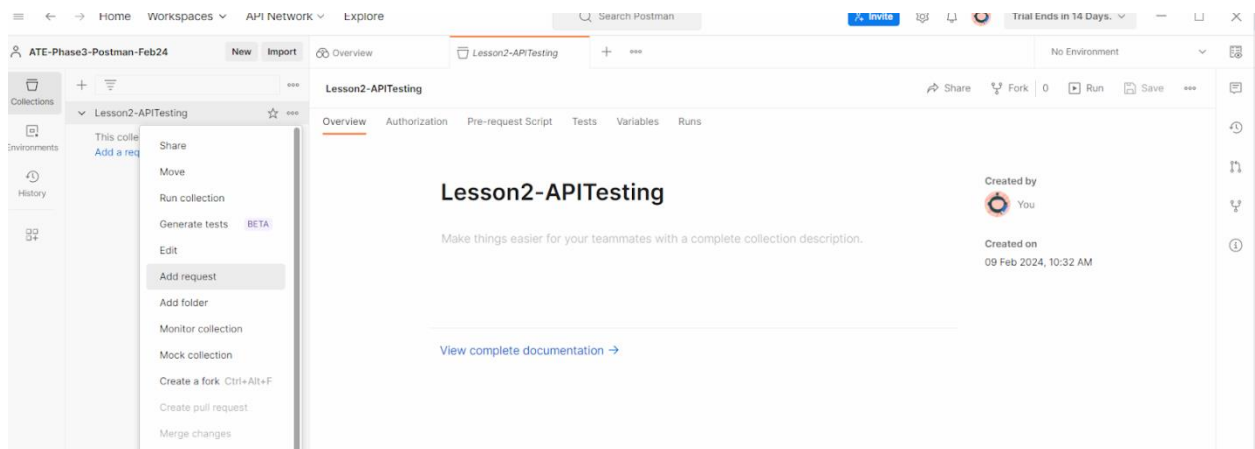
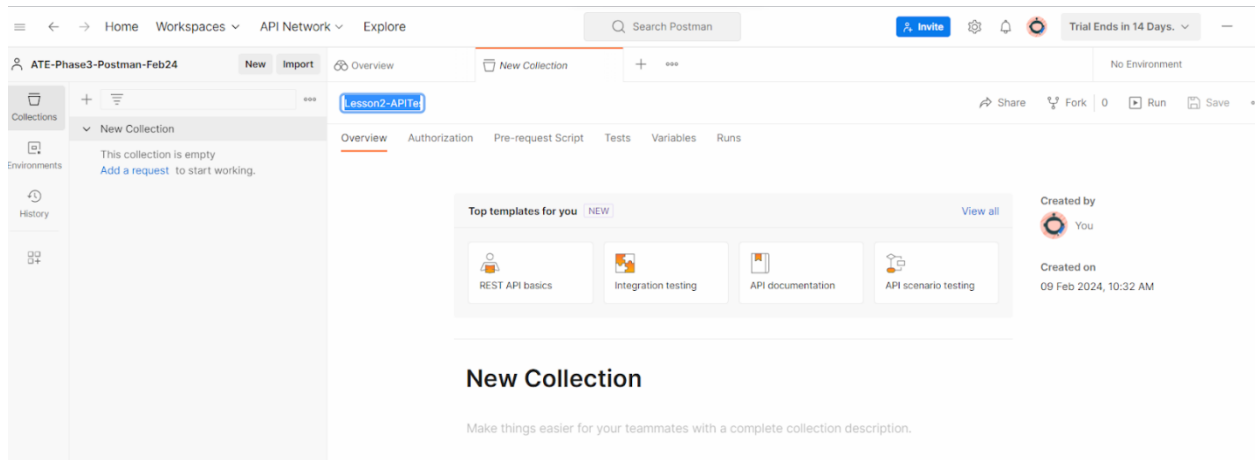
The screenshot shows the Postman interface with the 'New Collection' screen. The left sidebar displays the 'Collections' panel with a dropdown menu open, showing options like 'Share', 'Move', 'Run collection', 'Generate tests', 'Edit', 'Add request', 'Add folder', 'Monitor collection', 'Mock collection', 'Create a fork', 'Create pull request', and 'Merge changes'. The main panel shows the 'New Collection' screen, including a description, a 'View complete documentation' link, and metadata such as 'Created by You' and 'Created on 09 Feb 2024, 10:32 AM'. Below the description, there is a section titled 'Top templates for you' with four cards: 'REST API basics', 'Integration testing', 'API documentation', and 'API scenario testing'.

9) Variables





10) Postman Request, Collections, and Variables.



11) Environments .

The screenshot shows the Postman interface with the 'QA' environment selected. The left sidebar displays the 'Environments' section with 'Dev' and 'QA' listed. The main panel shows the 'QA' environment configuration with a table of variables.

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

The screenshot shows the Postman interface with the 'QA' environment selected. The left sidebar displays the 'Environments' section with 'Dev' and 'QA' listed. The main panel shows the 'QA' environment configuration with a table of variables.

Variable	Type	Initial value	Current value
<input checked="" type="checkbox"/> City_name	default		London
<input checked="" type="checkbox"/> Base_URL	default		https://api.openweathermap.org/data/2.5/weather
Add new variable			

12) Test Scripts

The screenshot shows the Postman interface with a workspace named "ATE-Phase3-Postman-Feb24". The left sidebar displays a "Collections" tree with "Lesson2-APITesting" and "Variables-Demo", and an "Environments" section with "GET LocalVariable". The main editor shows a "Variables-Demo / LocalVariable" collection item. The request method is "GET" and the URL is "https://api.openweathermap.org/data/2.5/weather?appid=aa9126a7d7b4c20f33602b045a197e3f&q={{City}}". The "Pre-request Script" tab is active, containing the code:

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

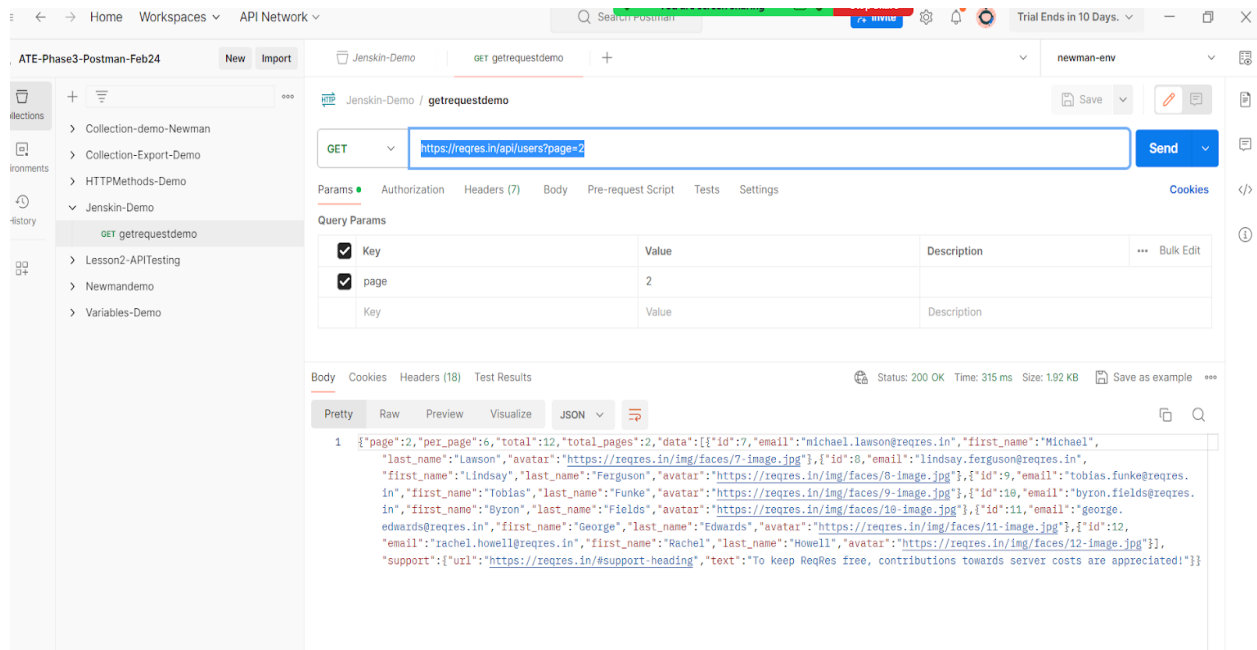
. The right sidebar shows a "Pre-request Script" section with a "Get a" link.

The screenshot shows the Postman interface with a workspace named "ATE-Phase3-Postman-Feb24". The left sidebar displays a "Collections" tree with "Globals" and "Variables-Demo", and an "Environments" section with "env1" and "QA". The main editor shows a "Variables-Demo / LocalVariable" collection item. The request method is "GET" and the URL is "https://api.openweathermap.org/data/2.5/weather?appid=aa9126a7d7b4c20f33602b045a197e3f&q={{City}}". The "Pre-request Script" tab is active, containing the code:

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

. The right sidebar shows a "Pre-request Script" section with a "Get a" link. A dropdown menu is open, showing the following options: "No Environment", "Dev", "env1", and "QA".

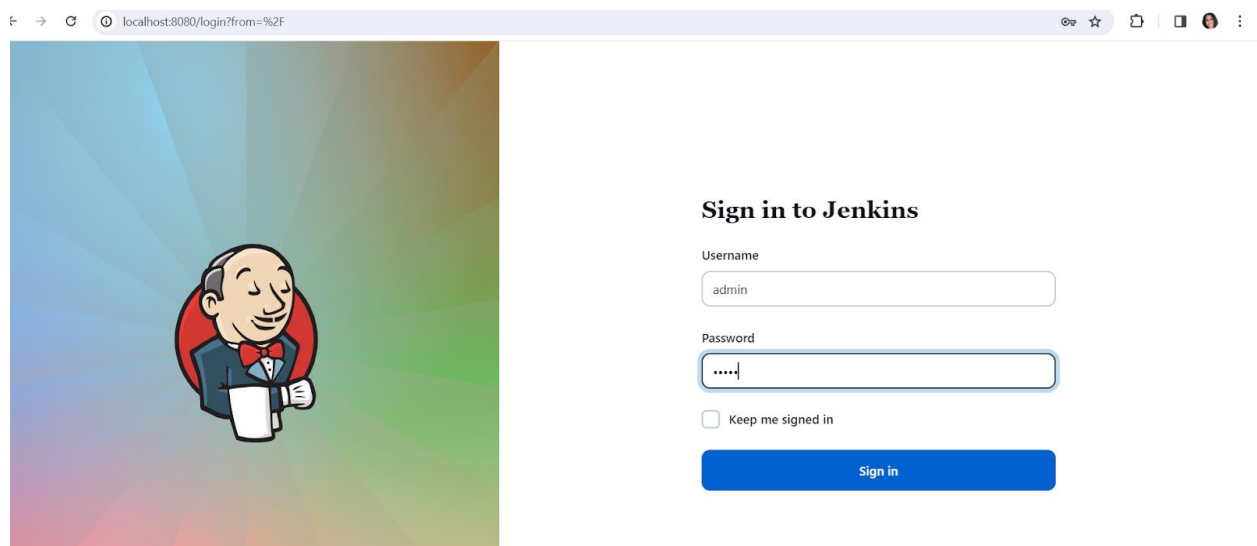
13) Postman with Jenkins .



The screenshot shows the Postman application interface. On the left, a sidebar lists collections, including 'Jenskin-Demo' which contains a request named 'getrequestdemo'. The main area displays the details of this request, which is a GET request to the URL 'https://reqres.in/api/users?page=2'. The 'Query Params' section shows a 'page' parameter with a value of '2'. The response is displayed in the 'Body' tab, showing a JSON array of 12 user objects. The status bar at the bottom indicates a 200 OK status, 315 ms response time, and 1.92 KB response size.

Key	Value	Description
page	2	

```
1 {
  "page": 2,
  "per_page": 6,
  "total": 12,
  "total_pages": 2,
  "data": [
    {
      "id": 7,
      "email": "michael.lawson@reqres.in",
      "first_name": "Michael",
      "last_name": "Lawson",
      "avatar": "https://reqres.in/img/faces/7-image.jpg"
    },
    {
      "id": 8,
      "email": "lindsay.ferguson@reqres.in",
      "first_name": "Lindsay",
      "last_name": "Ferguson",
      "avatar": "https://reqres.in/img/faces/8-image.jpg"
    },
    {
      "id": 9,
      "email": "tobias.funke@reqres.in",
      "first_name": "Tobias",
      "last_name": "Funke",
      "avatar": "https://reqres.in/img/faces/9-image.jpg"
    },
    {
      "id": 10,
      "email": "byron.fields@reqres.in",
      "first_name": "Byron",
      "last_name": "Fields",
      "avatar": "https://reqres.in/img/faces/10-image.jpg"
    },
    {
      "id": 11,
      "email": "george.edwards@reqres.in",
      "first_name": "George",
      "last_name": "Edwards",
      "avatar": "https://reqres.in/img/faces/11-image.jpg"
    },
    {
      "id": 12,
      "email": "rachel.howell@reqres.in",
      "first_name": "Rachel",
      "last_name": "Howell",
      "avatar": "https://reqres.in/img/faces/12-image.jpg"
    }
  ],
  "support": {
    "url": "https://reqres.in/#support-heading",
    "text": "To keep ReqRes free, contributions towards server costs are appreciated!"
  }
}
```



The screenshot shows the Jenkins login page. On the left is the Jenkins logo, a cartoon character in a tuxedo. On the right is the login form. The form has a title 'Sign in to Jenkins'. Below the title are two input fields: 'Username' with the value 'admin' and 'Password' with masked characters. There is a checkbox labeled 'Keep me signed in' which is currently unchecked. At the bottom of the form is a blue button labeled 'Sign in'.

Sign in to Jenkins

Username
admin

Password
.....

☐ Keep me signed in

Sign in



Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

Build History

trend

Filter builds...

#1

13-Feb-2024, 11:55 AM

Pipeline postmanpipelinedemo

Stage View

	Declarative: Tool Install	Install Postman CLI	Postman CLI Login	Running collection
Average stage times: (Average full run time: ~42s)	898ms	12s	9s	8s
#1 Feb 13 11:55 No Changes	898ms	12s	9s	8s

Permalinks

- Last build (#1), 2 min 47 sec ago

18) Run Collection Remotely with URL

The screenshot shows the Postman interface with a workspace named "ATE-Phase3-Postman-Feb24". The left sidebar displays "Collections" and "Environments". The "Environments" section is active, showing a list of environments: "Globals", "Dev", "env1", "newman-env", and "QA". The "env1" environment is selected and marked with a checkmark. The main panel shows a "GET" request to the URL "https://api.openweathermap.org/data/2.5/weather?q=London&appid=aa9126a7d7b4c20f33602b045a197e3f". The "Send" button is visible. Below the URL bar, the "Params" tab is active, showing "Query Params". The "Query Params" table has the following data:

Key	Value	Description
q	London	
appid	aa9126a7d7b4c20f33602b045a197e3f	

The screenshot shows the Postman interface with the same workspace. The "newman-env" environment is selected in the "Environments" list. The main panel displays the "newman-env" configuration. A search bar "Filter variables" is present. The "Variables" table has the following data:

Variable	Type	Initial value	Current value
City	default	London	London

20) API Chaining REST.

The screenshot shows the Postman interface with a collection named "ATE-Phase3-Postman-Feb24". The selected environment is "newman-env". The request is a POST to "https://api.github.com/user/repos". The body is a JSON object with the following fields: "name" (set to a variable {{reponame}}), "description" ("This is your repository from postman"), "homepage" ("https://github.com"), "private" (false), "has_issues" (true), "has_projects" (true), and "has_wiki" (true). The response is a JSON object with fields: "id" (757275362), "node_id" ("R_kgD0LSM4g"), "name" ("APITestPostMan548"), "full_name" ("sonal04devops/APITestPostMan548"), "private" (false), "owner" (login: "sonal04devops", id: 77178123, node_id: "MDQ6VXNlcjc3Mjc4MTIz", avatar_url: "https://avatars.githubusercontent.com/u/77178123?v=4", gravatar_id: "", url: "https://api.github.com/users/sonal04devops", html_url: "https://github.com/sonal04devops", followers_url: "https://api.github.com/users/sonal04devops/followers").

```
POST https://api.github.com/user/repos

{
  "name": "{{reponame}}",
  "description": "This is your repository from postman",
  "homepage": "https://github.com",
  "private": false,
  "has_issues": true,
  "has_projects": true,
  "has_wiki": true
}
```

```
{
  "id": 757275362,
  "node_id": "R_kgD0LSM4g",
  "name": "APITestPostMan548",
  "full_name": "sonal04devops/APITestPostMan548",
  "private": false,
  "owner": {
    "login": "sonal04devops",
    "id": 77178123,
    "node_id": "MDQ6VXNlcjc3Mjc4MTIz",
    "avatar_url": "https://avatars.githubusercontent.com/u/77178123?v=4",
    "gravatar_id": "",
    "url": "https://api.github.com/users/sonal04devops",
    "html_url": "https://github.com/sonal04devops",
    "followers_url": "https://api.github.com/users/sonal04devops/followers"
  }
}
```

The screenshot shows the same Postman interface, but with the "Pre-request Script" tab selected. The script contains the following code: "var repositoryName = 'APITestPostMan' + pm.variables.replaceIn('{{randomInt}})"; pm.environment.set('reponame', repositoryName);". The response is partially visible, showing the "id" field: "id": 757275362.

```
var repositoryName = "APITestPostMan" + pm.variables.replaceIn('{{randomInt}})';
pm.environment.set('reponame', repositoryName);
```

```
{
  "id": 757275362,
```

HomeWorkspacesAPI Network

Search Postman

Invite

Trial Ends in 9 Days.

ATE-Phase3-Postman-Feb24NewImport

POST Create_repo

newman-env

newman-env

Collections

Environments

History

Collection-demo-Newman

Collection-Export-Demo

GitHub-API

GET GetAllrepos

GET Get_specific_repo

POST Create_repo

HTTPMethods-Demo

Jenkins-Demo

Lesson2-APITesting

Newmandemo

Variables-Demo

newman-env

Fork0

Save

Share

Filter variables

	Variable	Type	Initial value	Current value
<input checked="" type="checkbox"/>	City	default	London	London
<input checked="" type="checkbox"/>	reponame	default		APITestPostMan548
Add new variable				

Set as variable