



Postman interface showing a REST client request for **POST CreateRepo** on the **https://api.github.com/user/repos** endpoint. The request body is a JSON object:

```
1 {
2   "name": "{{repoName}}",
3   "description": "This is created by postman",
4   "homepage": "https://github.com",
5   "private": false,
6   "has_issues": true,
7   "has_projects": true,
8   "has_wiki": true
9 }
```

The response status is **201 Created** (1024 ms, 7.17 KB). The test results show **1/1** tests passed.

Windows taskbar at the bottom shows the time as 16:44 on 07-11-2023, with weather at 30°C Partly sunny.

Postman interface showing the same **POST CreateRepo** request, but with a **Pre-request Script** tab selected. The script contains the following code:

```
1 var repositoryName = "Postman-Api-"+pm.variables.replaceIn("{{randomInt}}", "00000000000000000000000000000000");
2 pm.environment.set("repoName", repositoryName)
```

The response status is **201 Created** (1024 ms, 7.17 KB). The test results show **1/1** tests failed.

Windows taskbar at the bottom shows the time as 16:44 on 07-11-2023, with weather at 30°C Partly sunny.

Postman interface showing a POST request to `https://api.github.com/user/repos` under the collection `Phase3-Lesson2-API Testing`. The request is named `CreateRepo`. The test script is:

```
1 pm.test("create owner variable",function(){
2   var json = JSON.parse(responseBody);
3   pm.environment.set("owner",json.owner.login);
4 }
5 );
```

The test results show 1/1 tests passed. The status bar at the bottom indicates 201 Created, 1024 ms, 7.17 KB.

Postman interface showing a GET request to `https://api.github.com/repos/owner/repos` under the collection `Phase3-Lesson2-API Testing`. The request is named `Get a specific repo`. The test script is:

```
1 pm.test("Response time is less than 908ms",function(){
2   pm.expect(pm.response.responseTime).to.be.below(908);
3 }
4 )
5 pm.test("status code is 404",function(){
6   pm.response.to.have.status(404);
7 }
8 )
9 pm.test("status code name has Not Found",function(){
10  pm.response.to.have.status("Not Found");
11 }
12 );
```

The test results show 4/4 tests passed. The status bar at the bottom indicates 404 Not Found, 391 ms, 1.33 KB.

Phase3-Lesson2-API Testing

API Testing-Lesson2

collectionRUN-Newman

Github-API

GET GetAllrepos

POST CreateRepo

GET Get a specific repo

DEL Delete repo

HTTPMethods-demo

Lesson2-EndProject

Variables Demo

DELETE https://api.github.com/repos/owner/repos

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

```
1 pm.test("status code is 204",function(){
2     pm.response.to.have.status(204);
3 });
4
5 pm.test("status code name has No Content",function(){
6     pm.response.to.have.status("No Content");
7 });
```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about [tests scripts](#)

Snippets

Get an environment variable

Body Cookies Headers (25) Test Results (0/2) 404 Not Found 534 ms 1.33 KB Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Not Found",
3   "documentation_url": "https://docs.github.com/rest/repos/repos#delete-a-repository"
4 }
```

Phase3-Lesson2-API Testing

Project variables

Filter variables

	Variable	Type	Initial value	Current value	...
<input checked="" type="checkbox"/>	Base_URL	default	https://api.openweathermap...	https://api.openweathermap.org/data/2...	
<input checked="" type="checkbox"/>	city	default	New Delhi	New Delhi	
	Add new variable				

Use variables to reuse values and protect sensitive data

Store sensitive data in variable type secret to keep its values masked on the screen. Learn more about [variable type](#)

Work with the current value of a variable to prevent sharing sensitive values with your team. Learn more about [variable values](#)

