













Postman API Fundamentals Student Expert certification

Course Overview





Welcome

-  Before you start
-  Register as a Postman Student











What are APIs?

-  Application Programming Interfaces
-  APIs - A Digital Restaurant
-  Types of APIs
-  Quiz #1: What Are APIs?









Introducing Postman

-  An API Platform
-  The API First World
-  Quiz #2 Introducing Postman

Your First API Request

-  Task: Create a workspace
-  Task: Create a collection
-  Task: Get books from the Library API
-  Request-Response pattern
-  Quiz #3: Your First API Request

Request Parameters

-  Variables in Postman
-  Query parameters
-  Task: Search books by genre
-  Task: Multiple query parameters

An API Platform

Postman is an API platform for building and using APIs. Postman simplifies each step of the API lifecycle and streamlines collaboration so you can create better APIs faster and consume them with ease. That's why Postman is trusted by **over 25 million users** worldwide!



Working with APIs then and now: cURL vs. Postman

Before Postman, it was common practice to poke at APIs with a command line tool for making HTTP requests called **cURL**. This tool is still used today but has its limitations when it comes to collaboration and sharing.

API calls with curl

This is an example of what an API call in the terminal using the **curl** command looks like. Here we are fetching data about **GitHub** user **postmanlabs**

```
curl https://api.github.com/users/postmanlabs
```

```
{
  "login": "postmanlabs",
  "id": 10251060,
  "node_id": "MDEyOk9yZ2FuaXphdGlvbjEwMjUxMDYw",
  "avatar_url": "https://avatars.githubusercontent.com/u/10251060?v=4",
  "gravatar_id": "",
  "url": "https://api.github.com/users/postmanlabs",
  "html_url": "https://github.com/postmanlabs",
  "followers_url": "https://api.github.com/users/postmanlabs/followers",
  "following_url": "https://api.github.com/users/postmanlabs/following{/other_user}",
  "gists_url": "https://api.github.com/users/postmanlabs/gists{/gist_id}",
  "starred_url": "https://api.github.com/users/postmanlabs/starred{/owner}/{repo}",
  "subscriptions_url": "https://api.github.com/users/postmanlabs/subscriptions",
  "organizations_url": "https://api.github.com/users/postmanlabs/orgs",
  "repos_url": "https://api.github.com/users/postmanlabs/repos",
  "events_url": "https://api.github.com/users/postmanlabs/events{/privacy}",
  "received_events_url": "https://api.github.com/users/postmanlabs/received_events",
  "type": "Organization",
  "site_admin": false,
  "name": "Postman Inc.",
  "company": null
}
```

It works great, but once you make the call, the API response data is lost in the river of the terminal. You also don't have visibility of the metadata of the response without adding more details to the command.

API calls with Postman

Here is the same call done with Postman. Postman shows the response with clean indents and colors and allows you to save, organize and share your requests. You can also see all the components of the request and response broken down into tabs and other helpful details like the response time and status code.

GEThttps://api.github.com/users/postmanlabsSend

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettingsCookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

BodyCookies (2)Headers (25)Test Results200 OK171 ms1.75 KBSave Response

PrettyRawPreviewVisualizeJSONresponse body from API

```
1  {
2    "login": "postmanlabs",
3    "id": 10251060,
4    "node_id": "MDEyOk9yZ2FuaXphdGlvbjEwMjUxMDYw",
5    "avatar_url": "https://avatars.githubusercontent.com/u/10251060?v=4",
6    "gravatar_id": "",
7    "url": "https://api.github.com/users/postmanlabs",
8    "html_url": "https://github.com/postmanlabs",
9    "followers_url": "https://api.github.com/users/postmanlabs/followers",
10   "following_url": "https://api.github.com/users/postmanlabs/following{/other_user}",
11   "gists_url": "https://api.github.com/users/postmanlabs/gists{/gist_id}",
12   "starred_url": "https://api.github.com/users/postmanlabs/starred{/owner}/{repo}",
13   "subscriptions_url": "https://api.github.com/users/postmanlabs/subscriptions",
14   "organizations_url": "https://api.github.com/users/postmanlabs/orgs",
15   "repos_url": "https://api.github.com/users/postmanlabs/repos".

```