Introduction to

Postman

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What is Postman?

Definition:

- Postman is a collaboration platform for API development.

Key Features:

1. Testing APIs.
2. Automation of requests.
3. Debugging APIs.

Why Use Postman?

- User-friendly Interface.

- Simplifies API testing.

- Supports REST, SOAP, and GraphQL APIs.

- Enables collaboration through workspaces.

Getting Started with Postman

Download & Install : Available on:

https://www.postman.com/

Postman UI Overview:

1. Sidebar   (Workspaces, Collections).
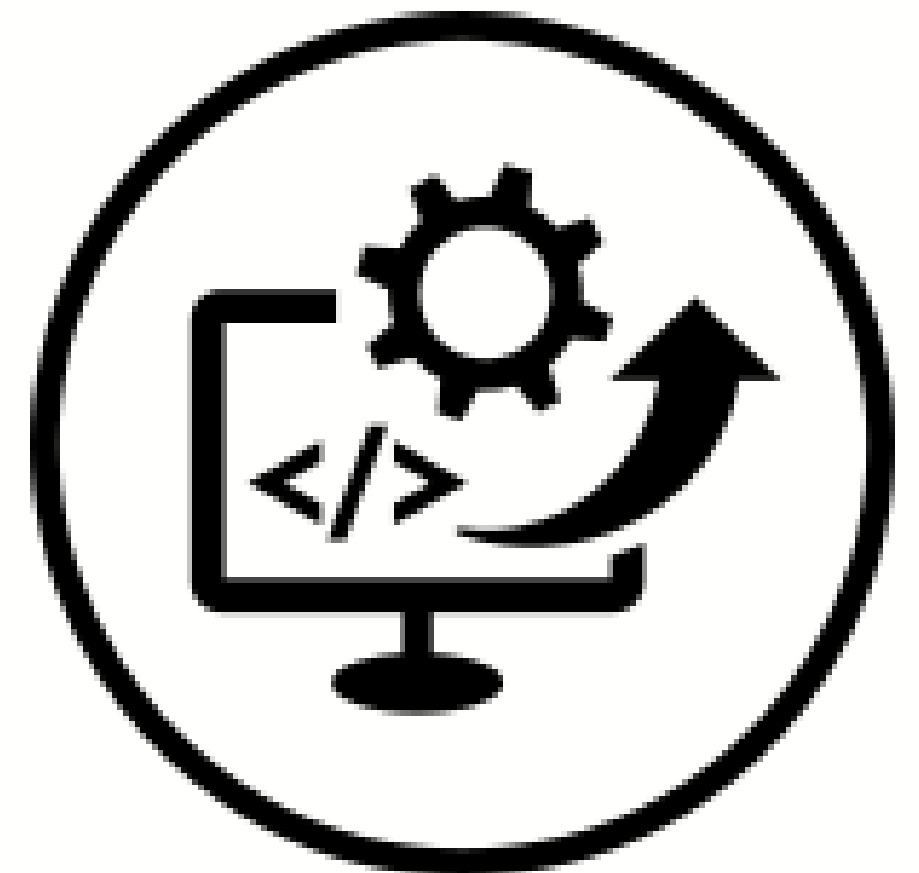2. Request Builder.
3. Console for logs.

Key Components of Postman

Collections: Organize requests into groups.

Environment Variables: Parameterize requests for flexibility.

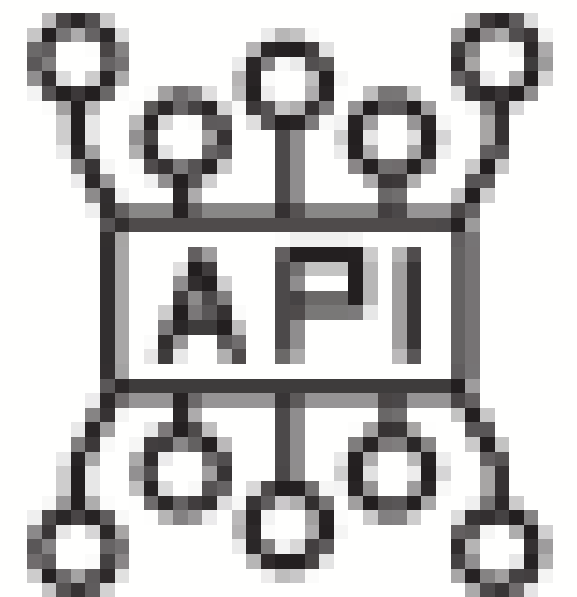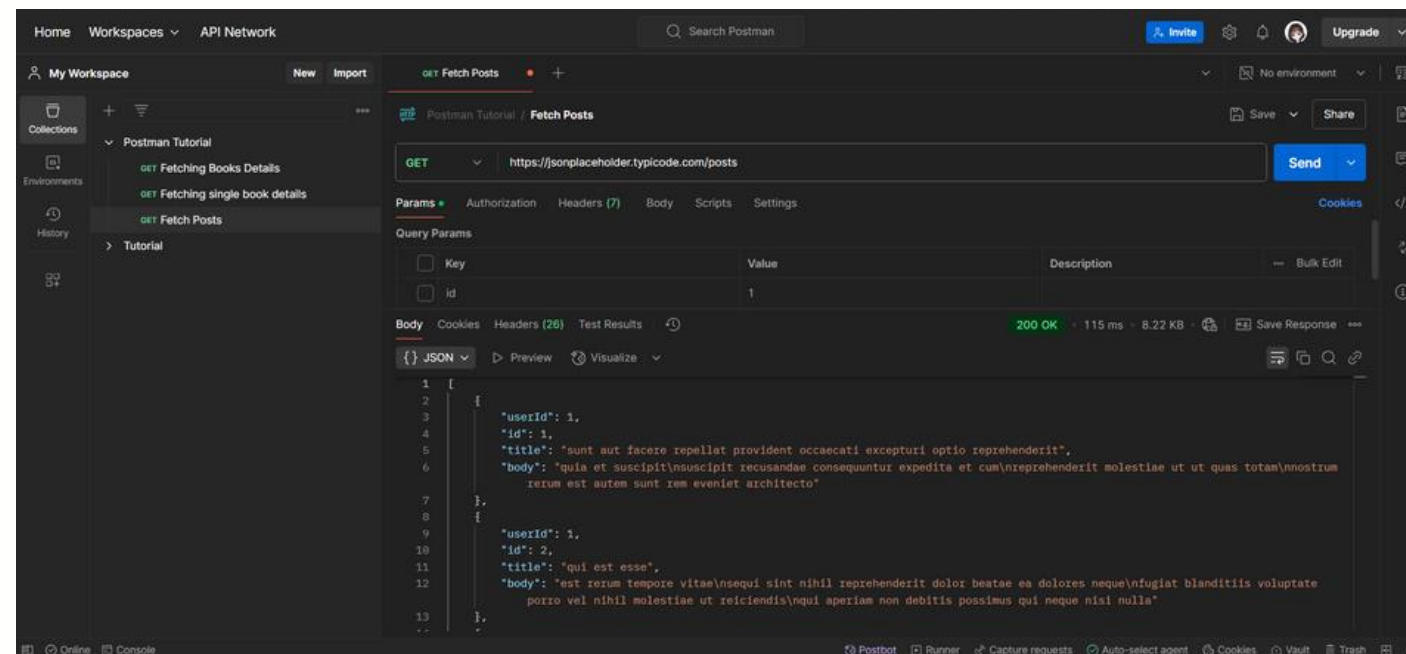**Requests:** Methods like **GET, POST, PUT, DELETE**.

Making Your First Request
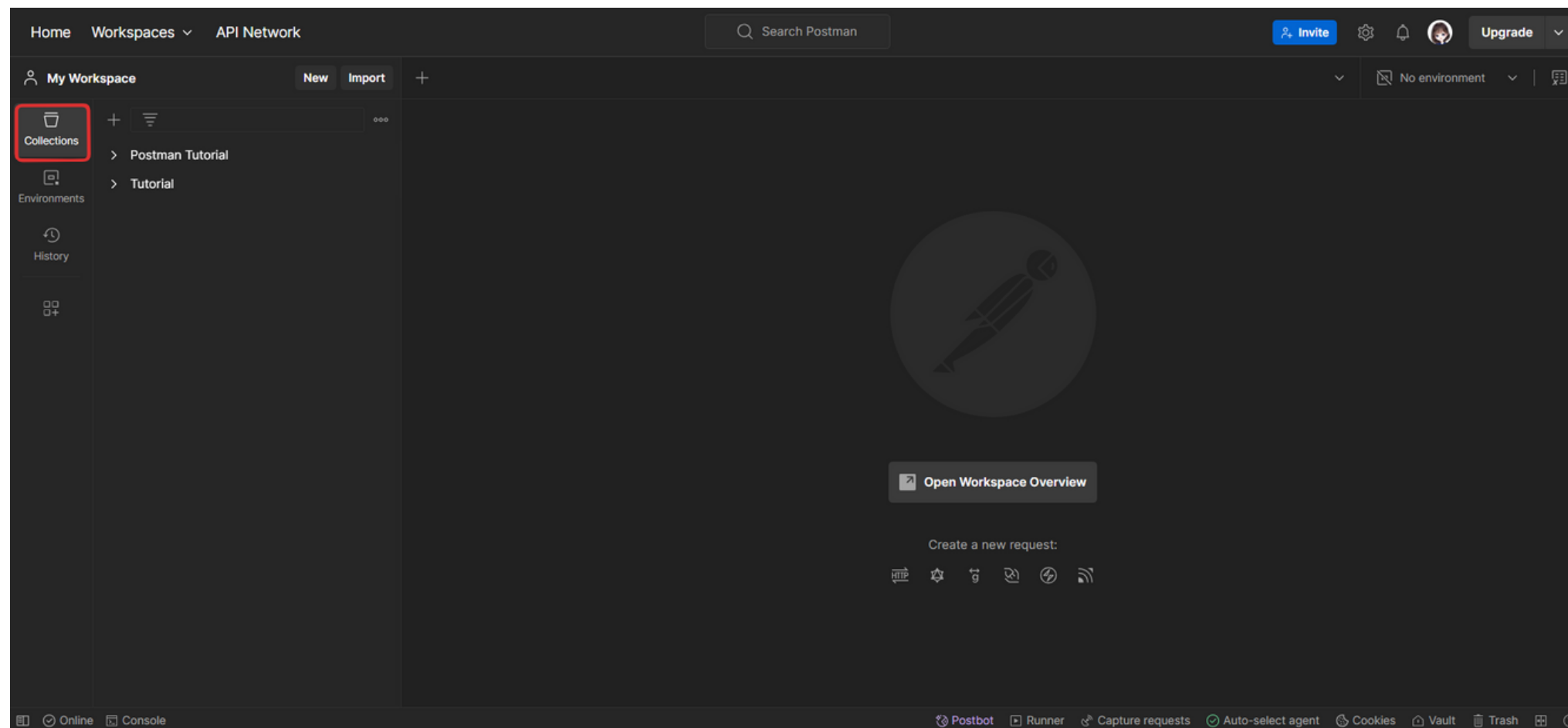
Steps to create a GET request:

1. Open Postman.
2. Enter the URL (e.g., https://jsonplaceholder.typicode.com/posts).
3. Click "Send."

Result: Displays response details (Body, Headers, Status).

Collections & Requests

- Collections: Save and share requests in a logical structure.
- Demo: Create a collection → Add a request → Save it.
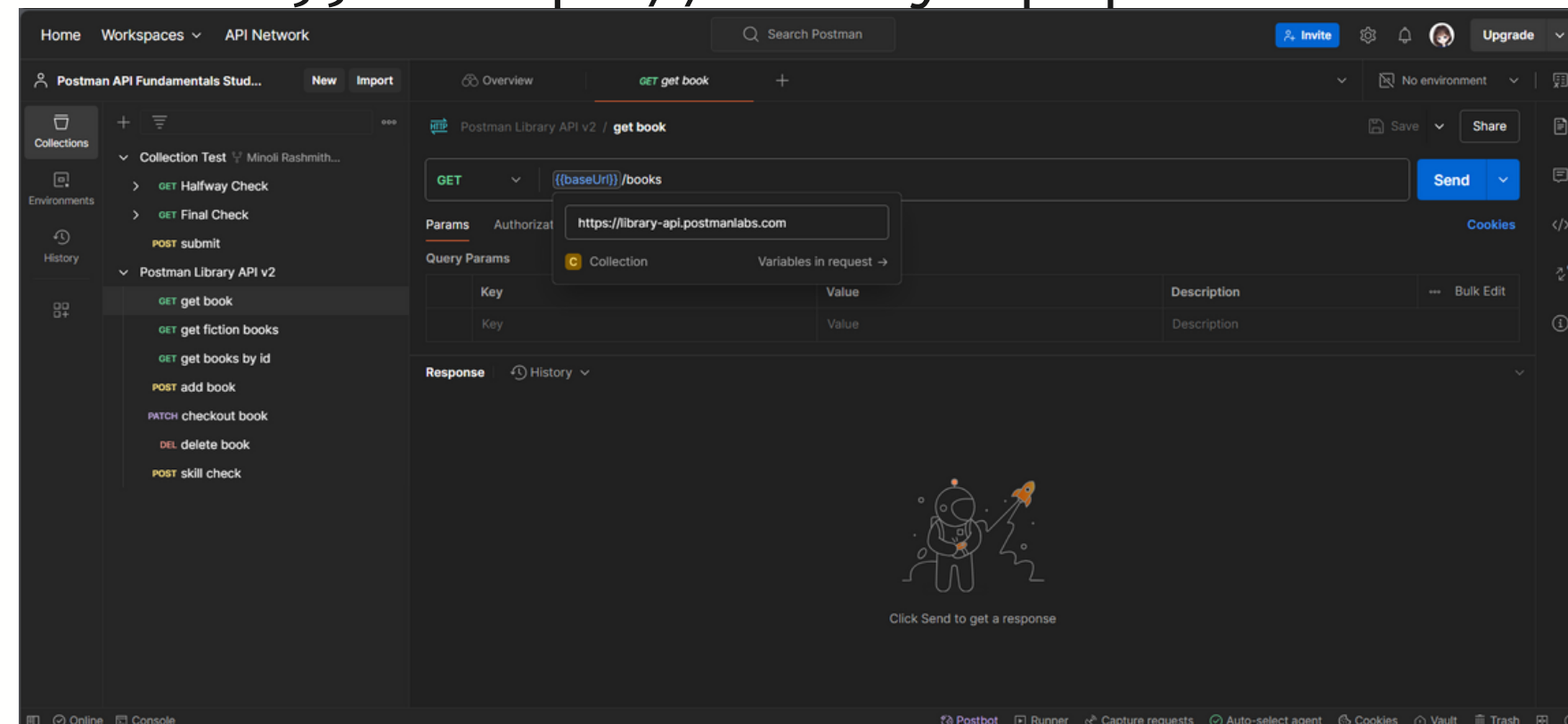
Environment & Variables

What are environments?

- A set of variables to switch easily between setups (e.g., dev, staging).

Example:

- {{baseURL}}/books
- where {{baseURL}} = https://library-api.postmanlabs.com

Testing and Assertions

- Postman supports automated tests.
- Example using JavaScript:

```javascript
pm.test("Status code is 200", function () {
    pm.response.to.have.status(200);
});
```

Automation with Postman & Postman Worlspaces

Automation with Postman

- Use the Runner to automate test collections.
- Schedule API tests with monitoring.

Postman Workspaces

Workspaces for collaboration:

- Team Workspace: Share collections and variables with teammates.
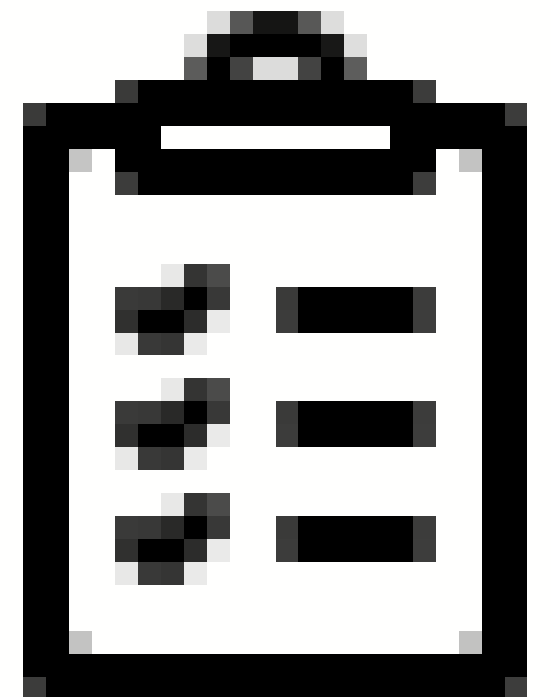- Personal Workspace: For individual work.

Conclusion

Recap:

- Postman simplifies API development and testing.
- Key features: User-friendly, collaborative, and supports automation.

Next Steps:

- Practice creating collections.
- Explore advanced features like scripting and integrations.

Thank you!