# **CTF Topic: Postman Interceptor**

# **Introduction**

Postman is a popular API client that makes it easy for developers to create, share, test, and document APIs. In this challenge, you'll be using Postman to interact with a fictional web API to retrieve and manipulate data.

# **Tools and requirements**

Postman (available as a Chrome extension)

Internet connection

Basic understanding of HTTP methods (GET, POST, PUT, DELETE)

# **Link (File)**

<https://chromewebstore.google.com/detail/aicmkgpgakddgnaphhhpliifpcfhicfo>

# **Scenario**

You are given access to a fictional API for a simple book library. Your task is to interact with this API to retrieve a list of books, add a new book, update an existing book's information, and delete a book from the library.

# **Process to Perform**

**Retrieve Books:**

Use a GET request to retrieve the list of books.

**Add a New Book:**

Use a POST request to add a new book to the library.

**Update a Book:**

Use a PUT request to update the information of an existing book.

**Delete a Book:**

Use a DELETE request to remove a book from the library.

# **Let's Begin The Challenge**

# **Question**

**Question 1**

Retrieve the list of books available in the library. What is the title of the first book in the list?

**Hint 1**

Use a GET request to https://api.example.com/books and check the response body for the list of books.

**Question 2**

Add a new book to the library with the title "API Testing with Postman". What is the status code of the response?

**Hint 2**

Use a POST request with the appropriate JSON body to https://api.example.com/books.

**Question 3**

Update the book you just added to have the author name "John Doe". What is the new author name of the book after updating?

**Hint 3**

Use a PUT request with the appropriate JSON body to https://api.example.com/books/{book\_id}, where {book\_id} is the ID of the book you added.

**Question 4**

Delete the book you added from the library. What is the status code of the response after deletion?

**Hint 4**

Use a DELETE request to https://api.example.com/books/{book\_id}, where {book\_id} is the ID of the book you added.

# **Hint**

Use the Postman Interceptor to capture the HTTP GET request made to https://api.example.com/user/profile immediately after a successful login. Look for the Authorization header in the request headers.