



# Chapter 2 Go-lang Basics (GLNG)

Go Micro, Web Services & Web Server Go Programming

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## Sesi 2



**Challenge**

## Challenge

# Simple Rest API

Buat Simple Rest API dengan item book dengan method untuk :

- A. Get Book All Book id
- B. Get Book by
- C. Add Book
- D. Update Book
- E. Delete Book



# Challenge

## Simple Rest API

Expektasi Hasil :

The screenshot shows the Postman interface with a REST client request configured. The request is a GET method to the URL `localhost:4000/books`. The response status is 200 OK, with a time of 12 ms and a size of 177 B. The response body is displayed in JSON format, showing a single book object.

**Request Configuration:**

- Method: GET
- URL: `localhost:4000/books`
- Params: None

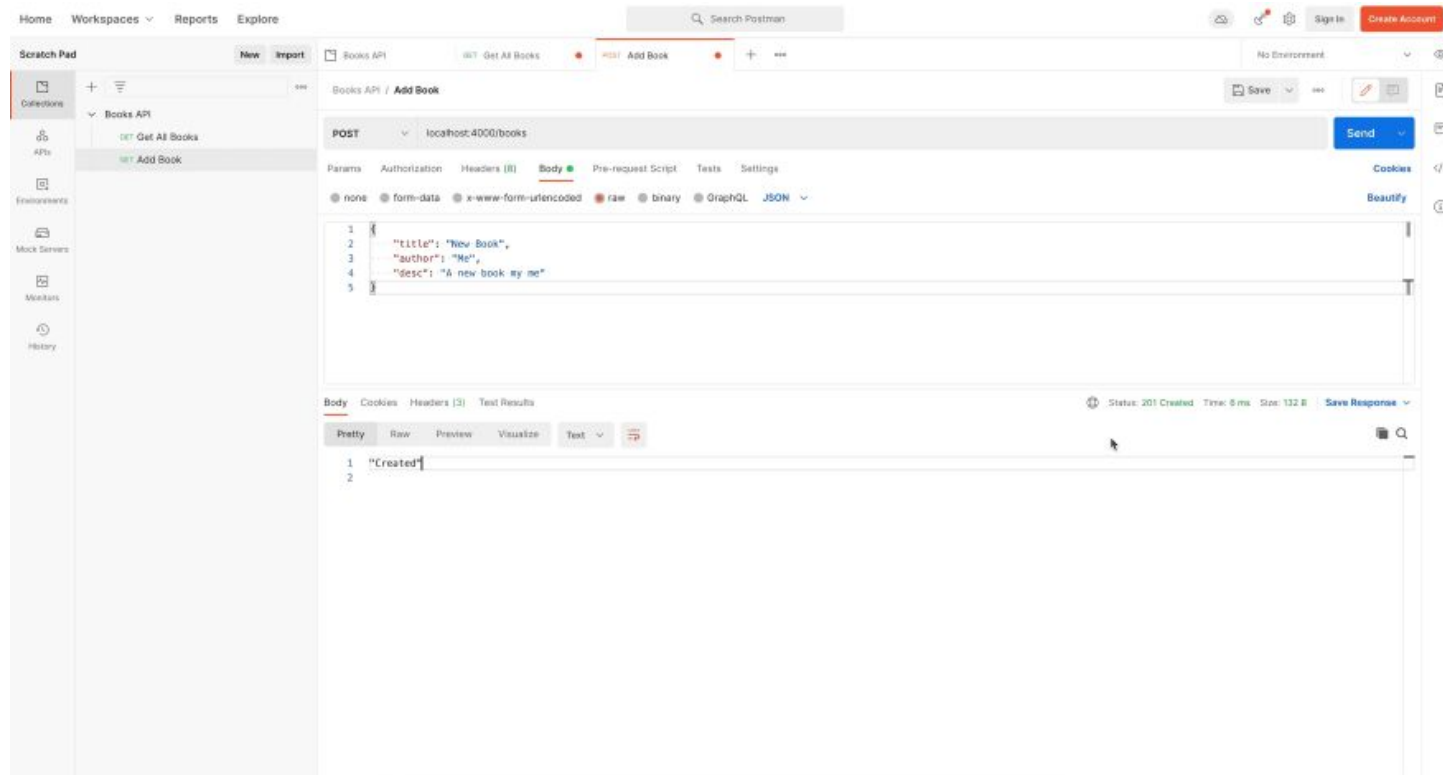
**Response Body (JSON):**

```
{  "id": 1,  "title": "GoLang",  "author": "Gopher",  "desc": "A book for Go"}
```

# Challenge

## Simple Rest API

Expektasi Hasil :



HACKTIV8

# Challenge

## Simple Rest API

Expektasi Hasil :

The screenshot shows the Postman interface with a REST client request configured. The request is a GET to `localhost:4000/books/1`. The response is a 200 OK status with a JSON body containing the following data:

KEY	VALUE	DESCRIPTION
Id	1	
title	"GoLang"	
author	"Gopher"	
desc	"A book for Go"	

# Challenge

## Simple Rest API

Expektasi Hasil :

The screenshot shows the Postman interface with a PUT request configured. The URL is `localhost:4000/books/1`. The body is set to JSON and contains the following data:

```
1 {
2   "title": "Updated",
3   "Author": "New Author",
4   "Desc": "Updated Desc"
5 }
```

The response status is 200 OK, and the response body is displayed in the bottom panel as:

```
1 "Updated"
2
```

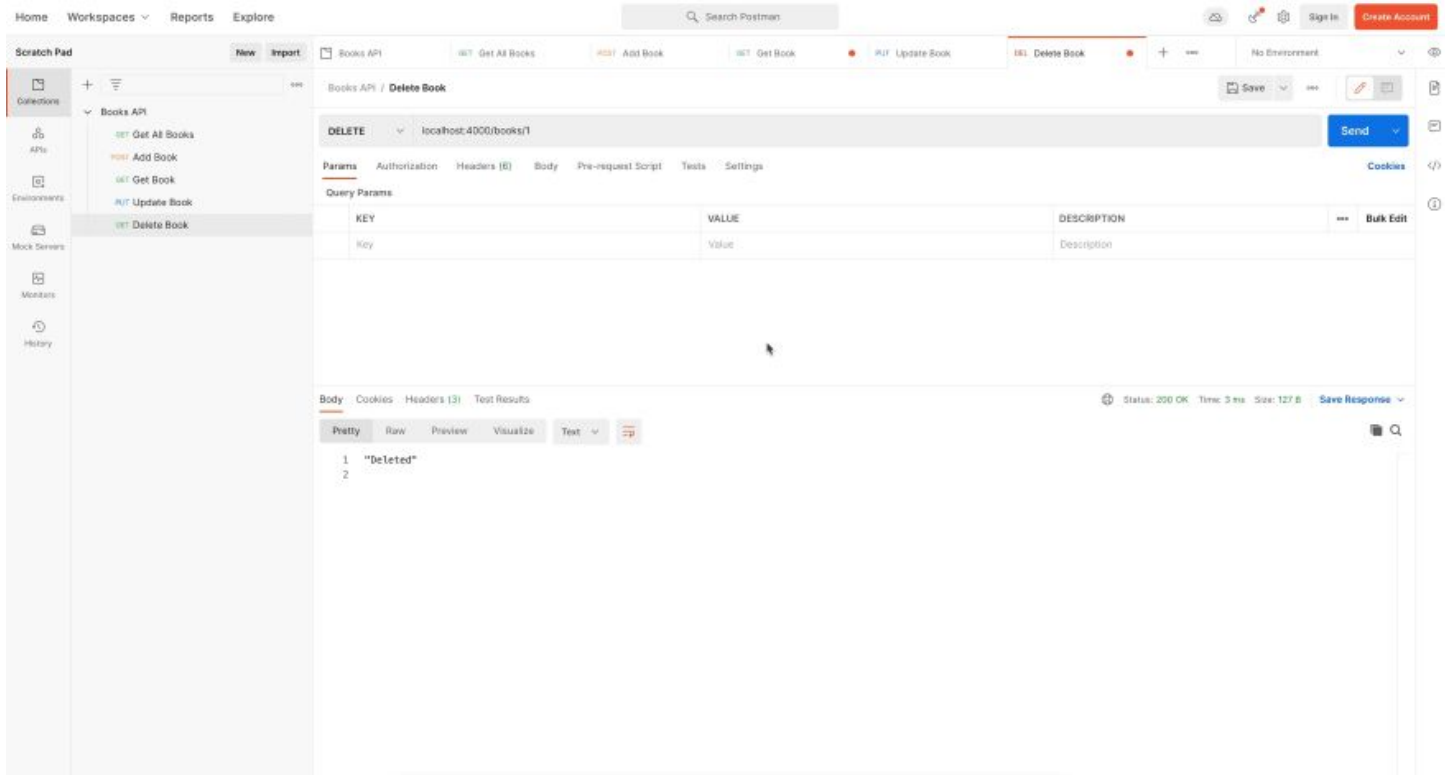


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# Challenge

## Simple Rest API

Expektasi Hasil :



The screenshot shows the Postman interface with a DELETE request to `localhost:4000/books/1`. The request is successful, returning a 200 OK status. The response body is `"Deleted"`.

**Request Details:**

- Method: DELETE
- URL: localhost:4000/books/1
- Environment: No Environment

**Response Details:**

- Status: 200 OK
- Time: 3 ms
- Size: 127 B
- Body: "Deleted"