

Exercise 5

You are a backend developer for a small online bookstore. Your manager wants you to create a **REST API** that allows clients to fetch the list of available books. In addition, the manager wants:

1. **Logging** of every request, including:
 - a. The timestamp
 - b. The HTTP method used
2. Logs should be written to a **file** named `bookstore.log`.

Tasks:

1. API Implementation

- a. Using **Flask** or **FastAPI**, create an endpoint `/books` that returns a **list of books**. Example list:
["Book", "Pen", "Notebook", "Diary"]

2. Logging

- a. Log every request with **timestamp** and **HTTP method**.
- b. Save logs to a file named `bookstore.log`.

3. HTTP Method

- a. The endpoint should support only **GET** requests.