Homework 02:

Using the documentation from <https://fakerestapi.azurewebsites.net/index.html>, create a Postman collection that tests all endpoints for 'books'.

To create a Postman collection that tests all endpoints for 'books' using the Fake REST API available at <https://fakerestapi.azurewebsites.net/index.html>, follow these detailed steps. This guide includes specific URLs and examples of request bodies based on the API documentation:

1. **Open Postman**: Launch Postman on your computer.
2. **Create a New Collection**:
   * Click on “New” or the “Create New” button in the workspace.
   * Select “Collection” from the menu to create a new collection.
   * Name the collection, e.g., "Fake REST API - Books".
3. **Add Requests to Your Collection**: Each endpoint under the 'Books' category from the documentation will be added as follows:
   * **GET (List all books)**:
     + Method: GET
     + URL: **https://fakerestapi.azurewebsites.net/api/v1/Books**
     + Description: Retrieves a list of all books.
   * **GET (Single book)**:
     + Method: GET
     + URL: **https://fakerestapi.azurewebsites.net/api/v1/Books/{id}**
     + Description: Retrieves details of a single book by ID.
     + Path Variable: Replace **{id}** with an actual ID or parameterize it for dynamic testing.
   * **POST (Create a book)**:
     + Method: POST
     + URL: **https://fakerestapi.azurewebsites.net/api/v1/Books**
     + Description: Creates a new book.
     + Body (raw JSON):

{ "title": "New Book", "description": "Description of the new book", "pageCount": 123, "excerpt": "Excerpt from the new book", "publishDate": "2024-04-20T00:00:00Z" }

* + **PUT (Update a book)**:
    - Method: PUT
    - URL: **https://fakerestapi.azurewebsites.net/api/v1/Books/{id}**
    - Description: Updates an existing book.
    - Path Variable: Replace **{id}** with an actual ID.
    - Body (raw JSON):

{ "id": 1, "title": "Updated Title", "description": "Updated description", "pageCount": 150, "excerpt": "Updated excerpt", "publishDate": "2024-04-21T00:00:00Z" }

* + **DELETE (Delete a book)**:
    - Method: DELETE
    - URL: **https://fakerestapi.azurewebsites.net/api/v1/Books/{id}**
    - Description: Deletes a book by ID.
    - Path Variable: Replace **{id}** with an actual ID.

1. **Set Up Tests** :
   * Add tests to each request to verify responses, such as checking if the status code is 200 or if certain keys are present in the JSON response.
2. **Save and Run Your Requests**:
   * After configuring each request, save it.
   * Test each request individually by hitting the “Send” button.
   * Optionally, use Postman’s Collection Runner to run all requests sequentially.
3. **Documenting Your Collection** :
   * It’s a good practice to add descriptions to each request explaining its purpose and usage for future reference or other users.