

Exercise 2: Online Bookstore - Creating Basic REST Controllers

Implementing methods to handle **GET**, **POST**, **PUT**, and **DELETE** requests.

Output (Using CMD)

1. GET Request

```
C:\Users\USER>curl http://localhost:8081/books
[{"id":1,"title":"Effective Java","author":"Joshua Bloch","price":45.0,"isbn":"9013468578991"}, {"id":2,"title":"Clean Code","author":
"Robert C. Martin","price":40.0,"isbn":"9508780132384"}]
C:\Users\USER>
```

GET All

```
C:\Users\USER>curl http://localhost:8081/books/2
{"id":2,"title":"Clean Code","author":"Robert C. Martin","price":40.0,"isbn":"9508780132384"}
C:\Users\USER>
```

GET One

2. POST Request

```
C:\Users\USER>curl -X POST http://localhost:8081/books \ -H "Content-Type: application/json" \ -d '{"id":3,"title":"Spring in Ac
tion","author":"Craig Walls","price":50.0,"isbn":"9781617294945"}'
{"id":3,"title":"Spring in Action","author":"Craig Walls","price":50.0,"isbn":"9781617294945"}

C:\Users\USER>curl http://localhost:8081/books
[{"id":1,"title":"Effective Java","author":"Joshua Bloch","price":45.0,"isbn":"9013468578991"}, {"id":2,"title":"Clean Code","author":
"Robert C. Martin","price":40.0,"isbn":"9508780132384"}, {"id":3,"title":"Spring in Action","author":"Craig Walls","price":50.0,"isbn"
:"9781617294945"}]
C:\Users\USER>
```

POST Request

3. PUT Request

```
C:\Users\USER>curl -X PUT http://localhost:8081/books/1 \ -H "Content-Type: application/json" \ -d '{"title":"Effective Java - Upd
ated Edition","author":"Joshua Bloch","price":48.0,"isbn":"9780134685991"}'
{"id":1,"title":"Effective Java - Updated Edition","author":"Joshua Bloch","price":48.0,"isbn":"9780134685991"}

C:\Users\USER>curl http://localhost:8081/books
[{"id":1,"title":"Effective Java - Updated Edition","author":"Joshua Bloch","price":48.0,"isbn":"9780134685991"}, {"id":2,"title":"Cle
an Code","author":"Robert C. Martin","price":40.0,"isbn":"9508780132384"}, {"id":3,"title":"Spring in Action","author":"Craig Walls","
price":50.0,"isbn":"9781617294945"}]
C:\Users\USER>
```

PUT Request

4. DELETE Request

```
C:\Users\USER>curl -X DELETE http://localhost:8081/books/3

C:\Users\USER>curl http://localhost:8081/books
[{"id":1,"title":"Effective Java - Updated Edition","author":"Joshua Bloch","price":48.0,"isbn":"9780134685991"}, {"id":2,"title":"Cle
an Code","author":"Robert C. Martin","price":40.0,"isbn":"9508780132384"}]
C:\Users\USER>
```

DELETE Request