A

Presentation On

# Book Store Management System

**Presented by:**

1.Jambhale Dipali(EBEON0522602992)

2.Vaidya Pratiksha(EBEON0522601614)

3.Tupake Pallavi(EBEON0522601621)

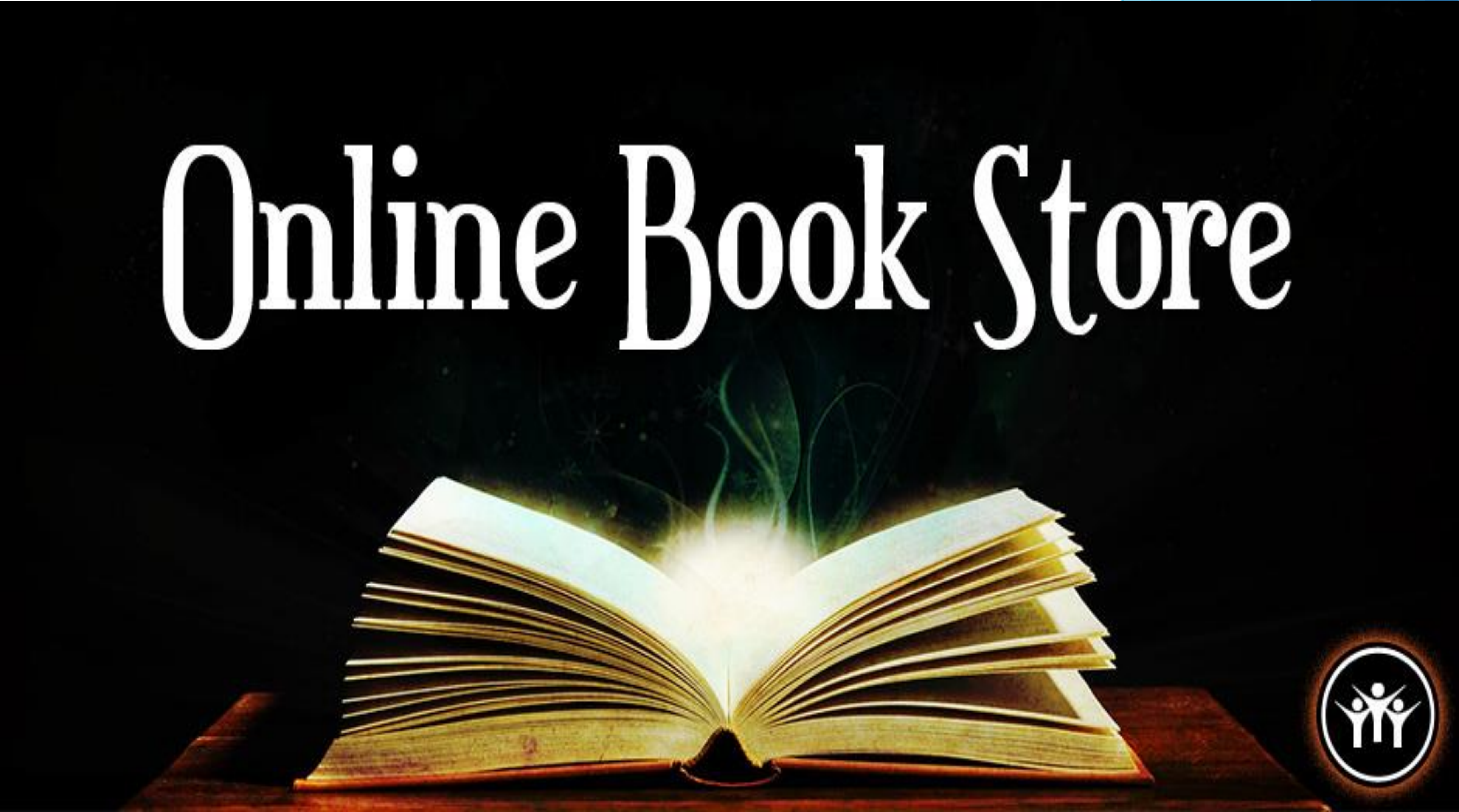
4.Nehe Shreya(EBTSOC0522598195)

5.Arakhade Prajakta(EBEON0522601543)

**Guided by:**
Mehta Pooja mam

**Java Full Stack Developer**
**2022-7469**

## Contents


Online Book Store

## Introduction

- Book Store Management System is designed to make the everyday working of the book store very easy and simple.
- It can be done wherever we are by just using the application.
- It keeps track of add the book , update the books , insert the new books, delete the book in the book store.
- It helps to provide all the information to the user .

## Required Specification

| Hardware Configuration | Software Configuration |
|---|---|
| Operating System : Windows 10,11 | Software IDE : Spring Boot |
| Hard Disk : 1TB | Language : Java |
| RAM : 8GB | Back End : MySQL Server , Postman |

## Proposed System

- This system is a bunch of benefits from various point of view. As this book store management system enables the add different books in the book store ,update the books, delete the book , insert the new books in the book store.

- System will store the information about the books records.it will keep the records of each and every sold books and many more data.

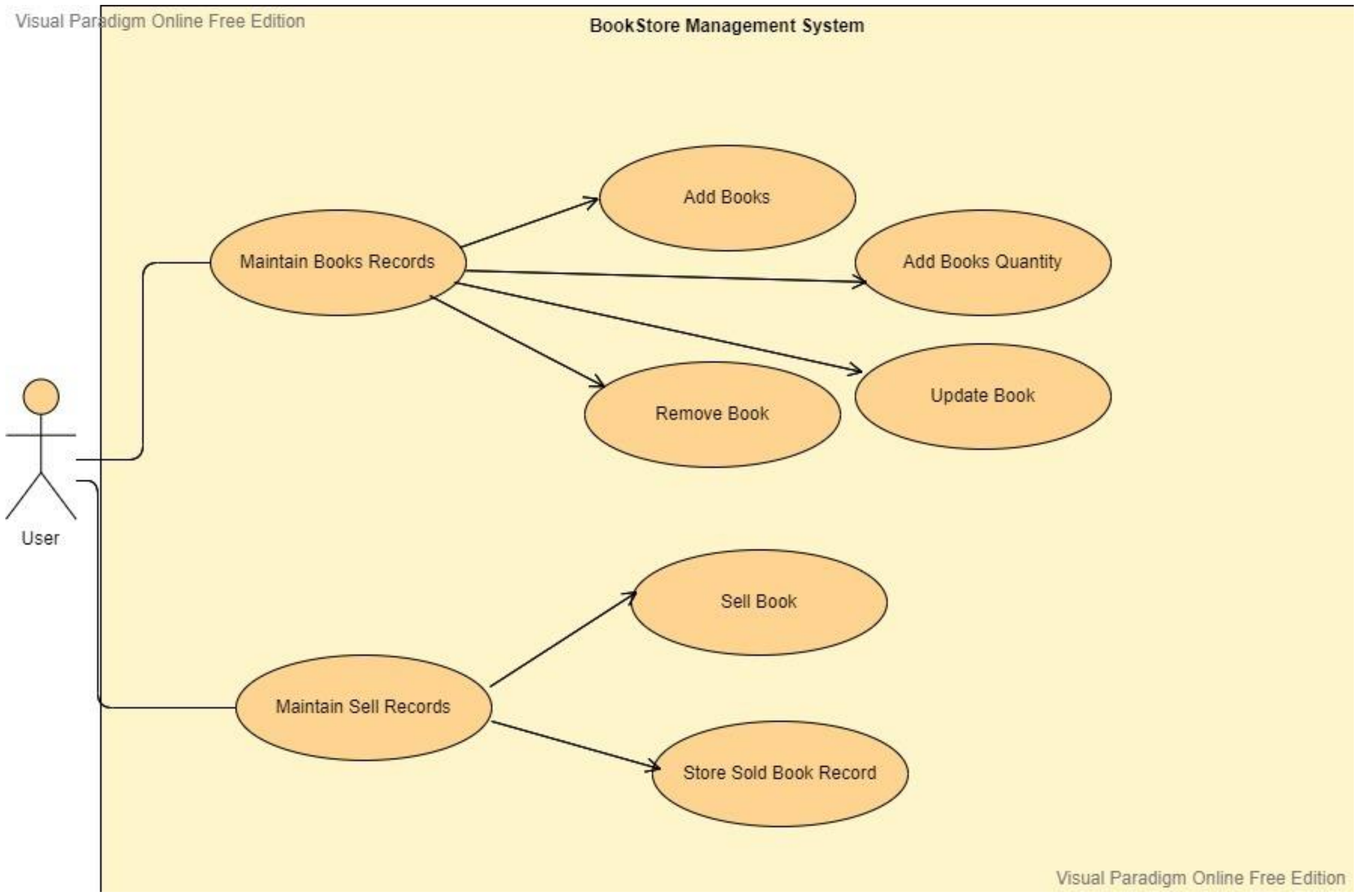
## Spring Annotations

- @Autowired: The @Autowired annotation provide more fine grained control over where and how autowiring should be accomplished.
- @RequestMapping : The @RequestMapping is one of the most common annotation used in spring web application. This annotation maps HTTP requests to handler method of MVC and REST controllers.
- @PathVariable : The @PathVariable Spring annotation on a method argument to bind it to the value of a URI Template variable.
- @RequestParam : The bind Request Parameter to method variable using spring annotation @RequestParam .

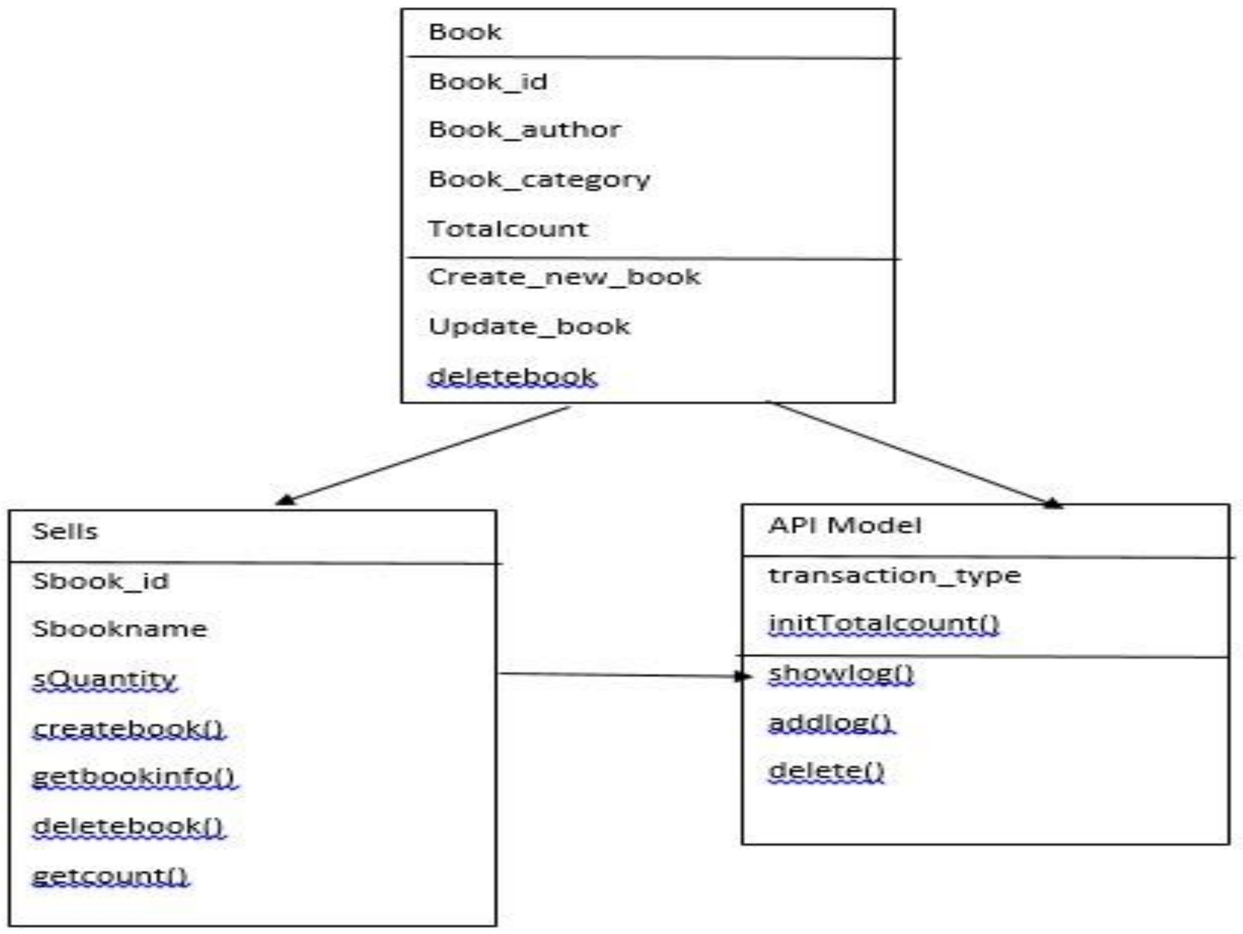
## Spring Annotations

- @Configuration : Used to indicate that a class declares one or more @Bean methods . These classes are processed by the spring container to generate bean definition and service requests for those bean at runtime.
- @Bean : indicates that a method produces a bean to be managed by the spring container.
- @Controller : the @Controller annotation is used to indicate the class is a spring controller. This annotation can be used to identify controllers for spring MVC or Spring WebFlux .

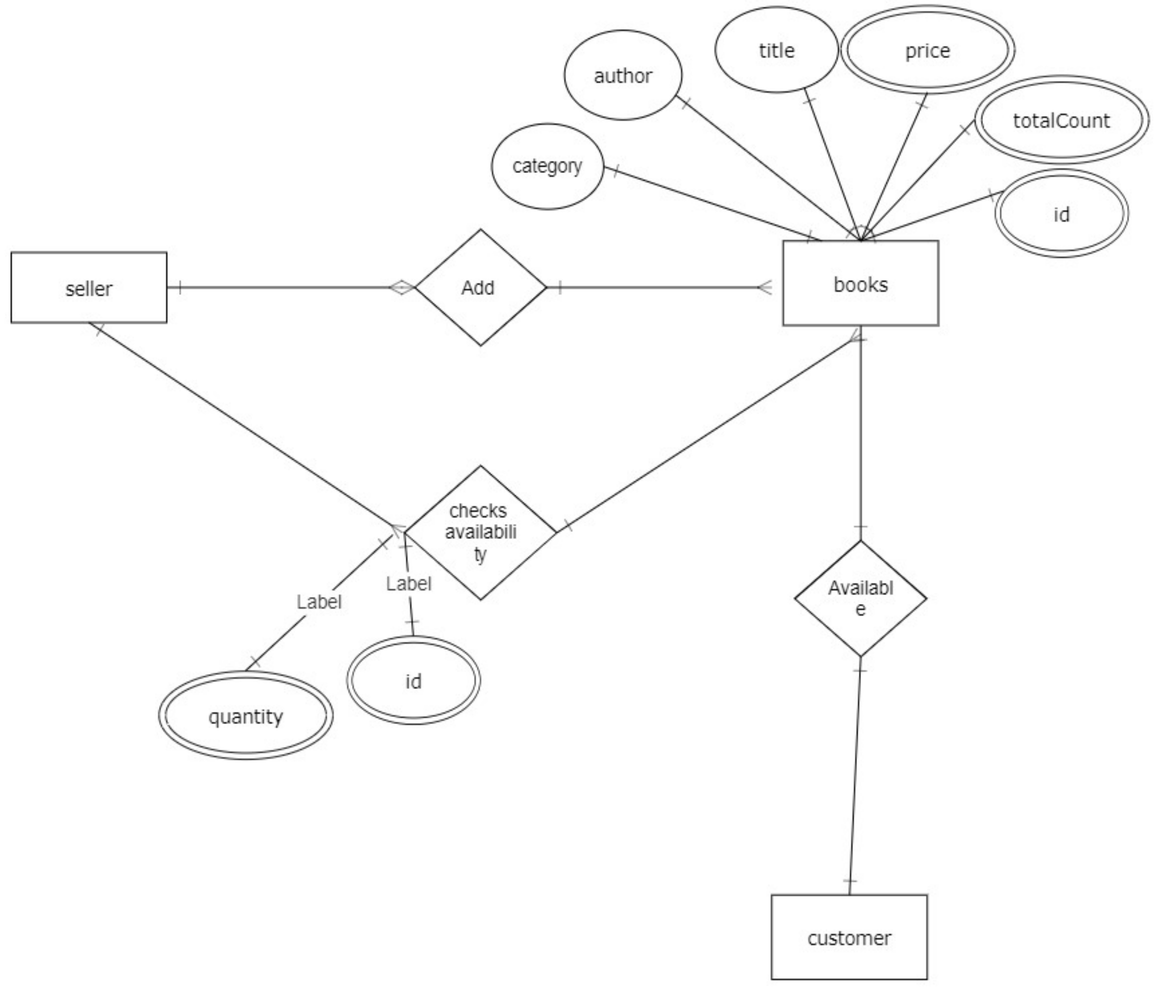
# Usecase Diagram



# Class Diagram



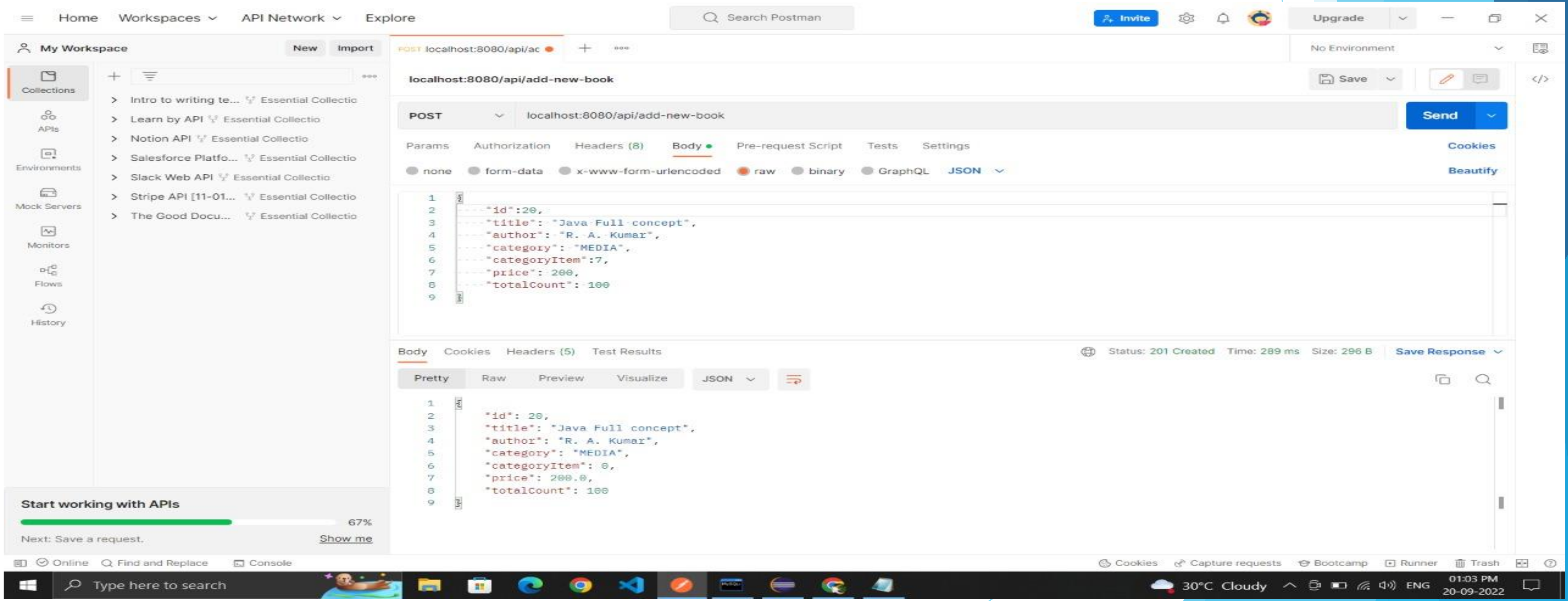
# ER Diagram


author
title
price
totalCount
category
id
seller
Add
books
checks availability
Label
Label
Availabl e
quantity
id
customer

## Screenshots:

1] POST:

Add New Books



POST localhost:8080/api/add-new-book

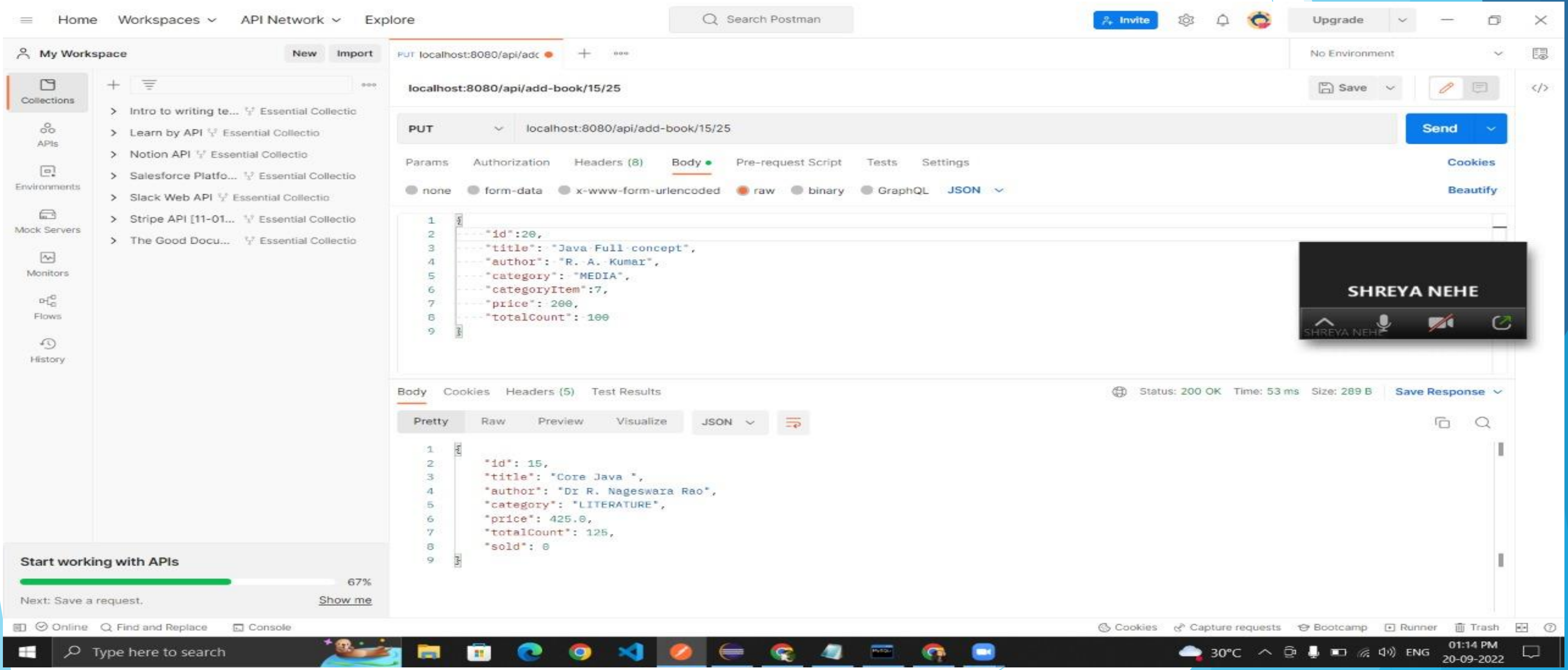
```
{
    "id":20,
    "title": "Java Full concept",
    "author": "R. A. Kumar",
    "category": "MEDIA",
    "categoryItem":7,
    "price": 200,
    "totalCount": 100
}
```

Status: 201 Created Time: 289 ms Size: 296 B

```
{
    "id": 20,
    "title": "Java Full concept",
    "author": "R. A. Kumar",
    "category": "MEDIA",
    "categoryItem": 0,
    "price": 200.0,
    "totalCount": 100
}
```

## 2] PUT :

Add quantity of book to the existing book.



PUT localhost:8080/api/add-book/15/25

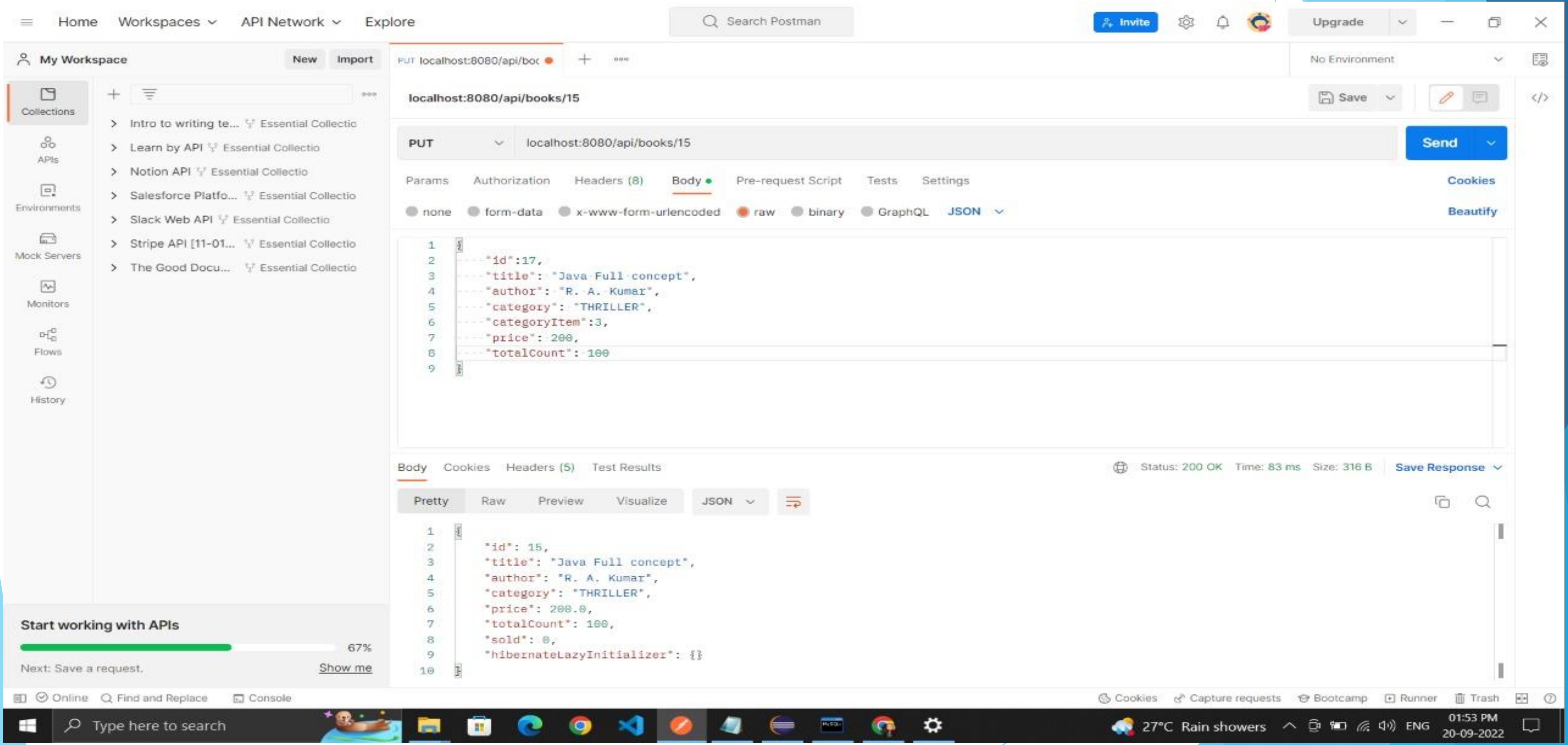
```
{
    "id":20,
    "title": "Java Full concept",
    "author": "R. A. Kumar",
    "category": "MEDIA",
    "categoryItem":7,
    "price": 200,
    "totalCount": 100
}
```

Status: 200 OK Time: 53 ms Size: 289 B

```
{
    "id": 15,
    "title": "Core Java ",
    "author": "Dr R. Nageswara Rao",
    "category": "LITERATURE",
    "price": 425.0,
    "totalCount": 125,
    "sold": 0
}
```

2] PUT :

Update a book.



PUT localhost:8080/api/books/15

Request body (raw, JSON):

```
{
    "id":17,
    "title": "Java Full concept",
    "author": "R. A. Kumar",
    "category": "THRILLER",
    "categoryItem":3,
    "price": 200,
    "totalCount": 100
}
```

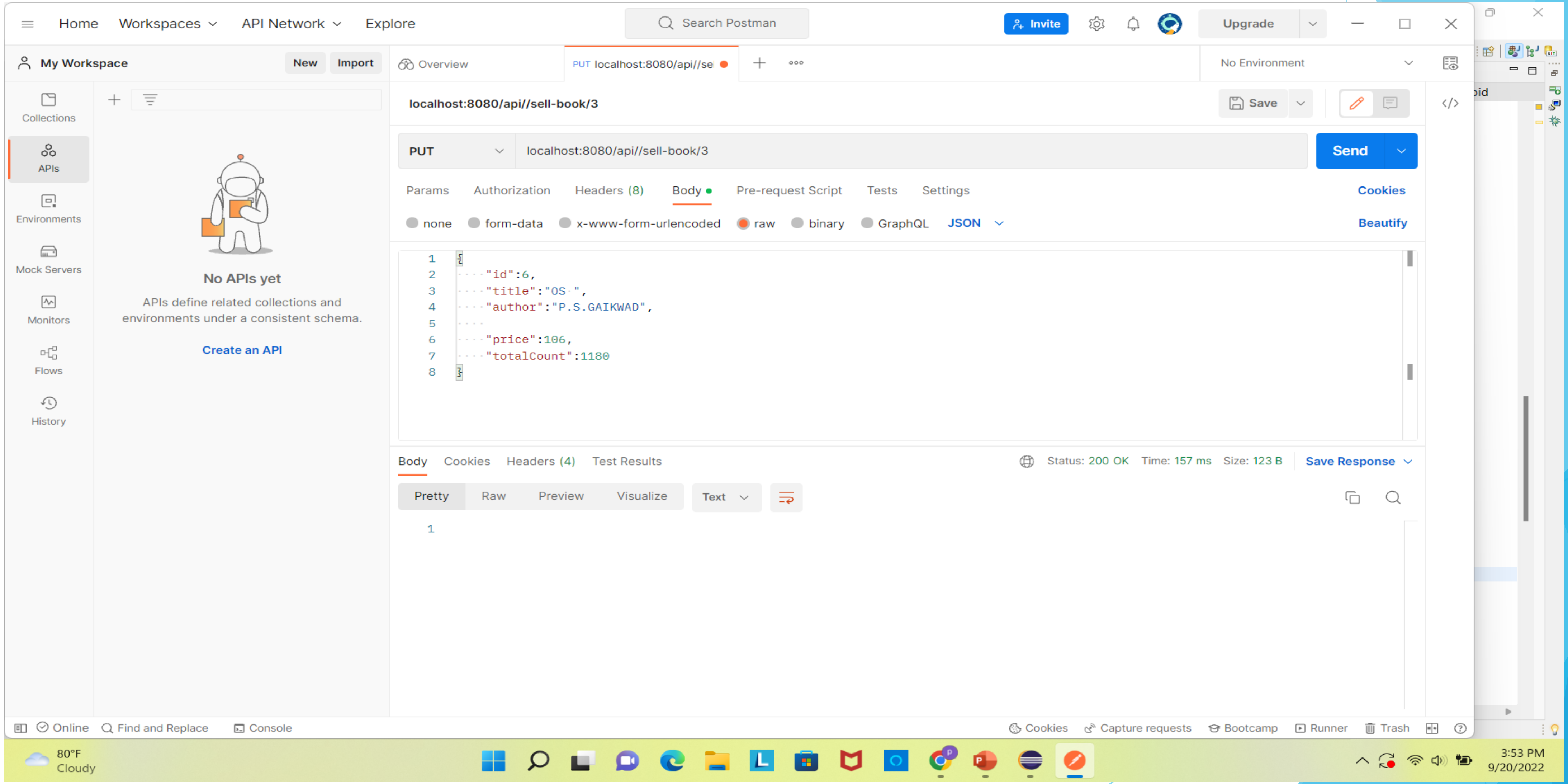
Status: 200 OK  Time: 83 ms  Size: 316 B

Response body:

```
{
    "id": 15,
    "title": "Java Full concept",
    "author": "R. A. Kumar",
    "category": "THRILLER",
    "price": 200.0,
    "totalCount": 100,
    "sold": 0,
    "hibernateLazyInitializer": {}
}
```

## 2]PUT

### Sell a single book



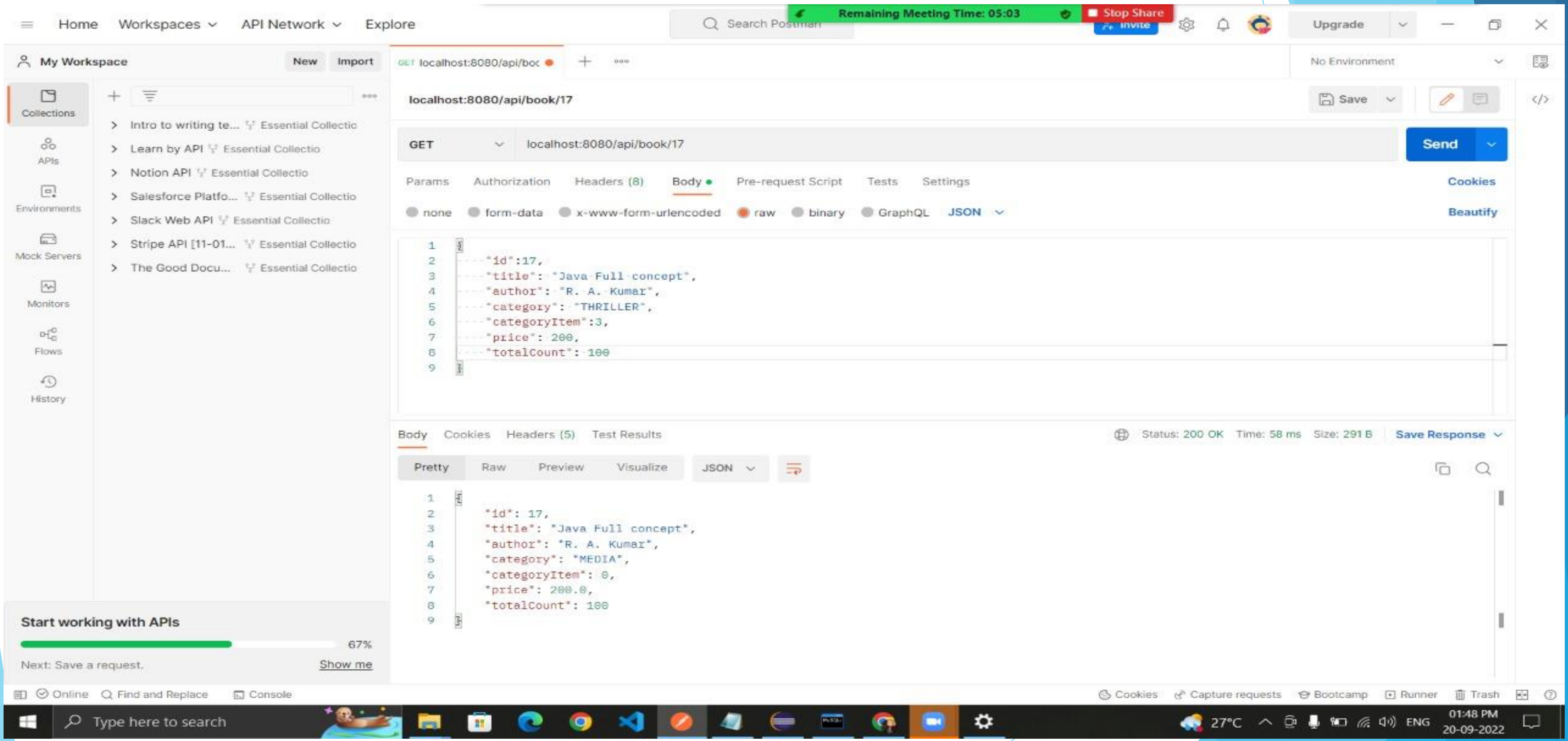
PUT localhost:8080/api//sell-book/3

```
{
    "id":6,
    "title":"OS ",
    "author":"P.S.GAIKWAD",
    
    "price":106,
    "totalCount":1180
}
```

Status: 200 OK Time: 157 ms Size: 123 B

3] GET:

Get books by id



localhost:8080/api/book/17

GET localhost:8080/api/book/17

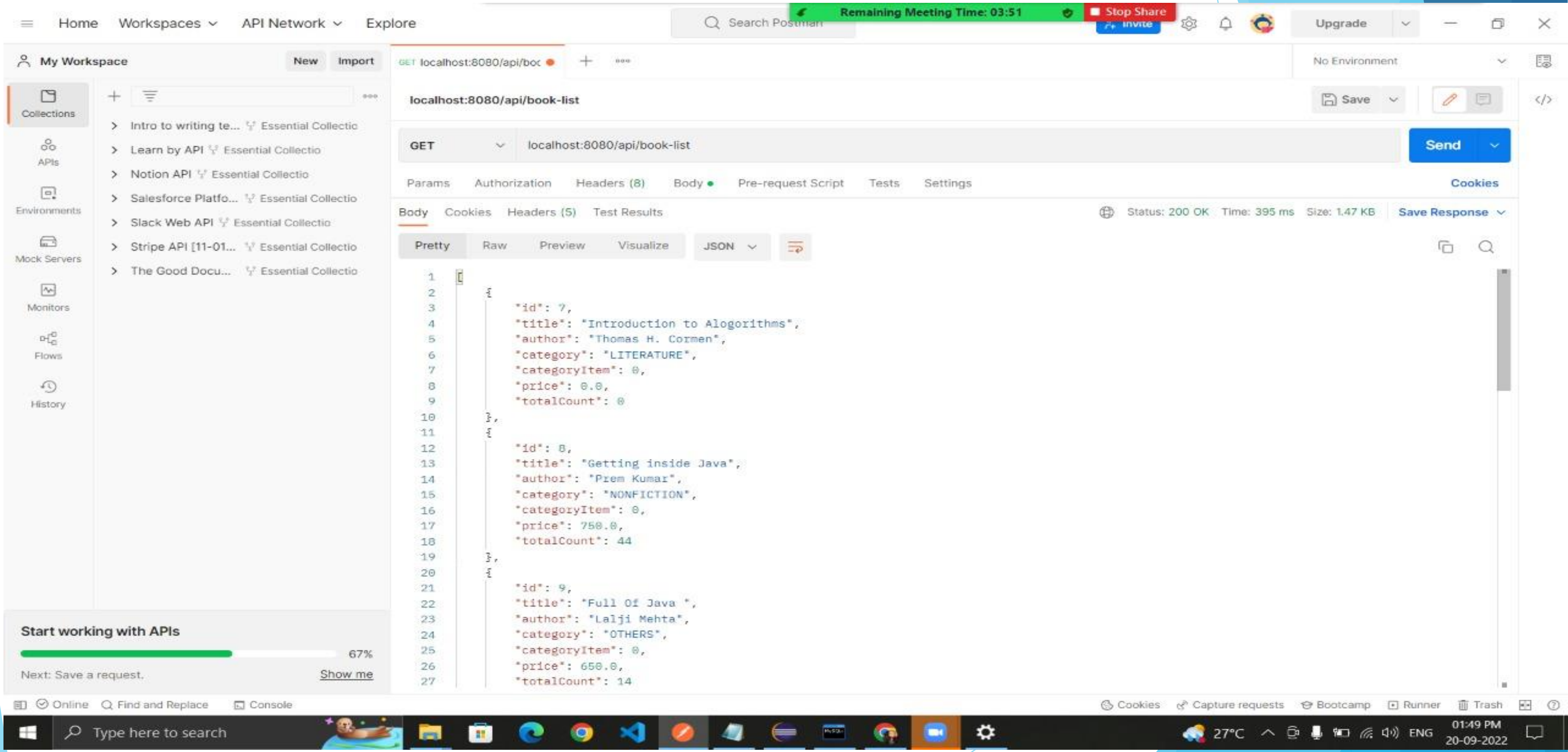
```
{
    "id":17,
    "title": "Java Full concept",
    "author": "R. A. Kumar",
    "category": "THRILLER",
    "categoryItem":3,
    "price": 200,
    "totalCount": 100
}
```

Status: 200 OK Time: 58 ms Size: 291 B

```
{
    "id": 17,
    "title": "Java Full concept",
    "author": "R. A. Kumar",
    "category": "MEDIA",
    "categoryItem": 0,
    "price": 200.0,
    "totalCount": 100
}
```

3] GET

Get All Books

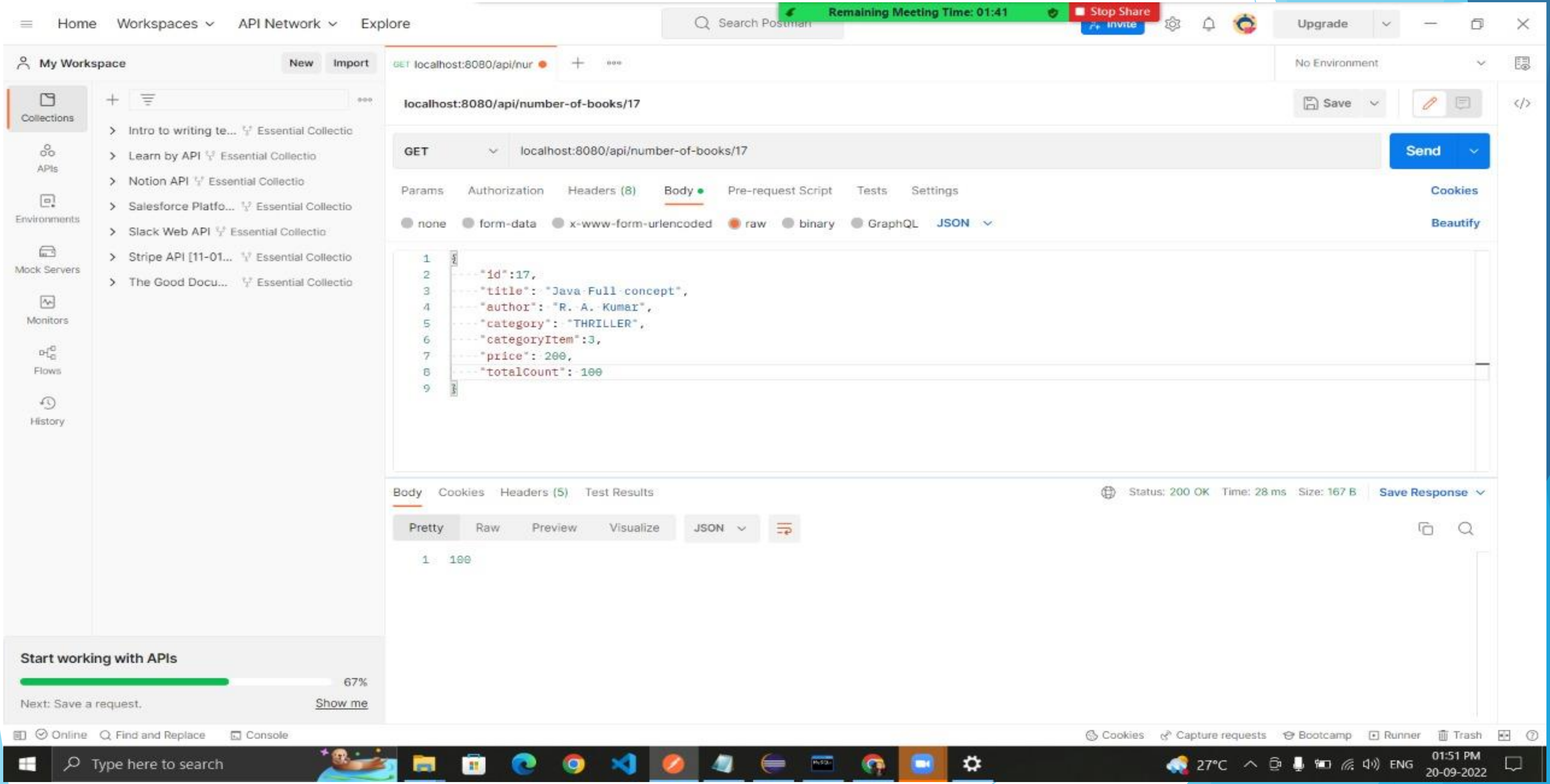


GET localhost:8080/api/book-list

```
[
    {
        "id": 7,
        "title": "Introduction to Alogorithms",
        "author": "Thomas H. Cormen",
        "category": "LITERATURE",
        "categoryItem": 0,
        "price": 0.0,
        "totalCount": 0
    },
    {
        "id": 8,
        "title": "Getting inside Java",
        "author": "Prem Kumar",
        "category": "NONFICTION",
        "categoryItem": 0,
        "price": 750.0,
        "totalCount": 44
    },
    {
        "id": 9,
        "title": "Full Of Java ",
        "author": "Lalji Mehta",
        "category": "OTHERS",
        "categoryItem": 0,
        "price": 650.0,
        "totalCount": 14
```

3] GET :

Get number of books available by id.



GET localhost:8080/api/number-of-books/17

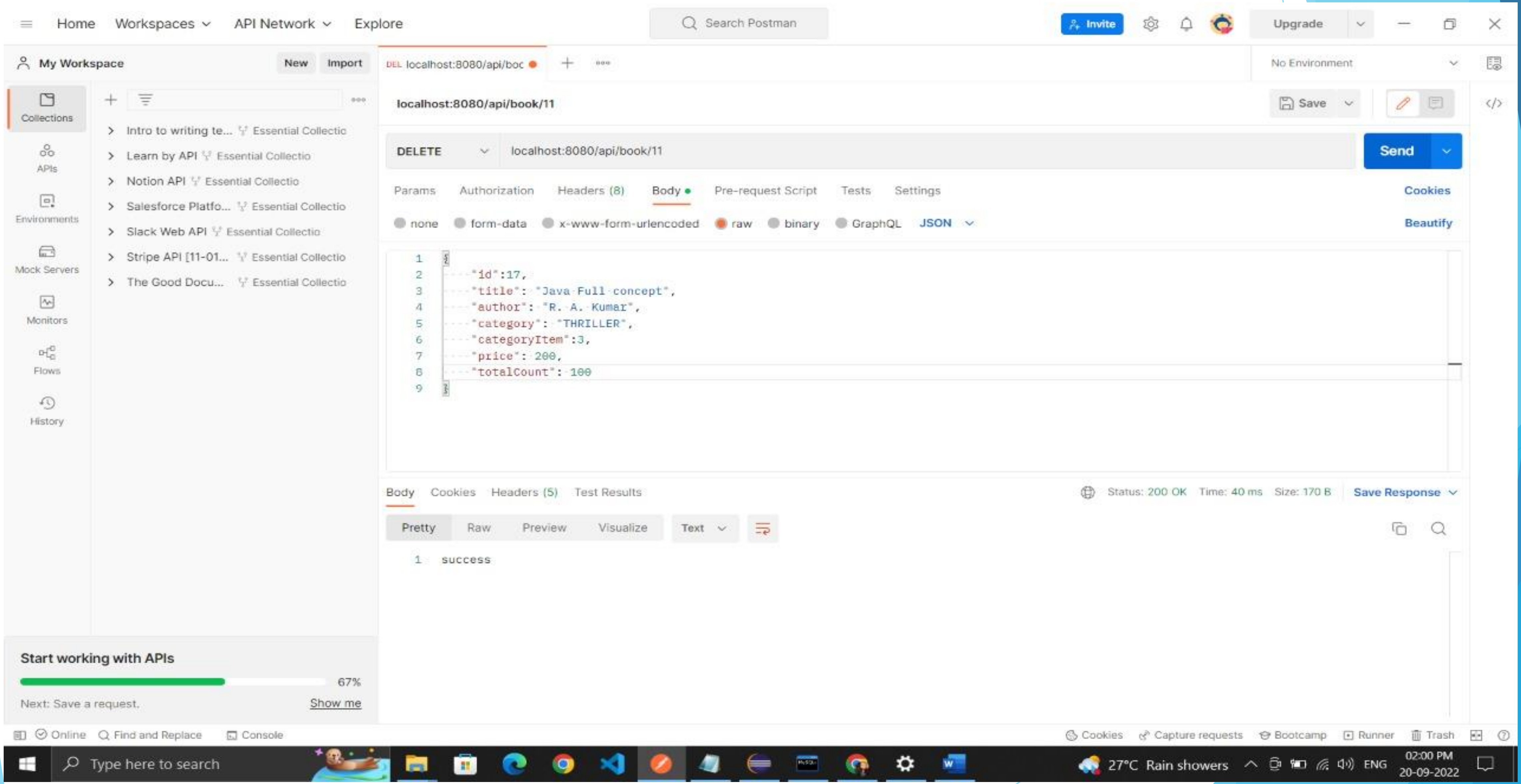
```
{
    "id":17,
    "title": "Java Full concept",
    "author": "R. A. Kumar",
    "category": "THRILLER",
    "categoryItem":3,
    "price": 200,
    "totalCount": 100
}
```

Body Cookies Headers (5) Test Results — Status: 200 OK Time: 28 ms Size: 167 B

```
100
```

4] DELETE :

Delete the  record by using id.



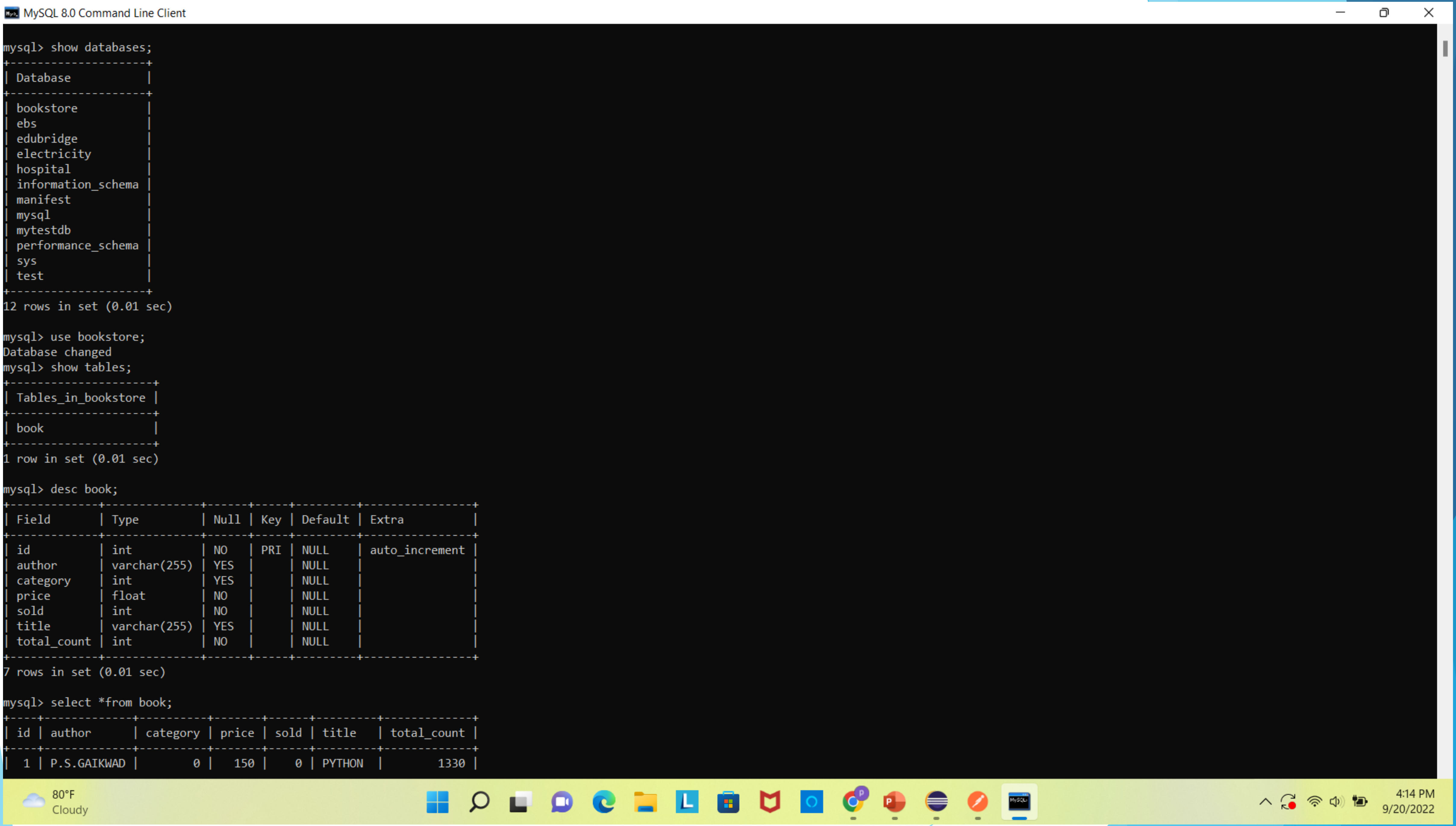
localhost:8080/api/book/11

DELETE localhost:8080/api/book/11

```
{
    "id":17,
    "title": "Java Full concept",
    "author": "R. A. Kumar",
    "category": "THRILLER",
    "categoryItem":3,
    "price": 200,
    "totalCount": 100
}
```

Status: 200 OK Time: 40 ms Size: 170 B

```
success
```

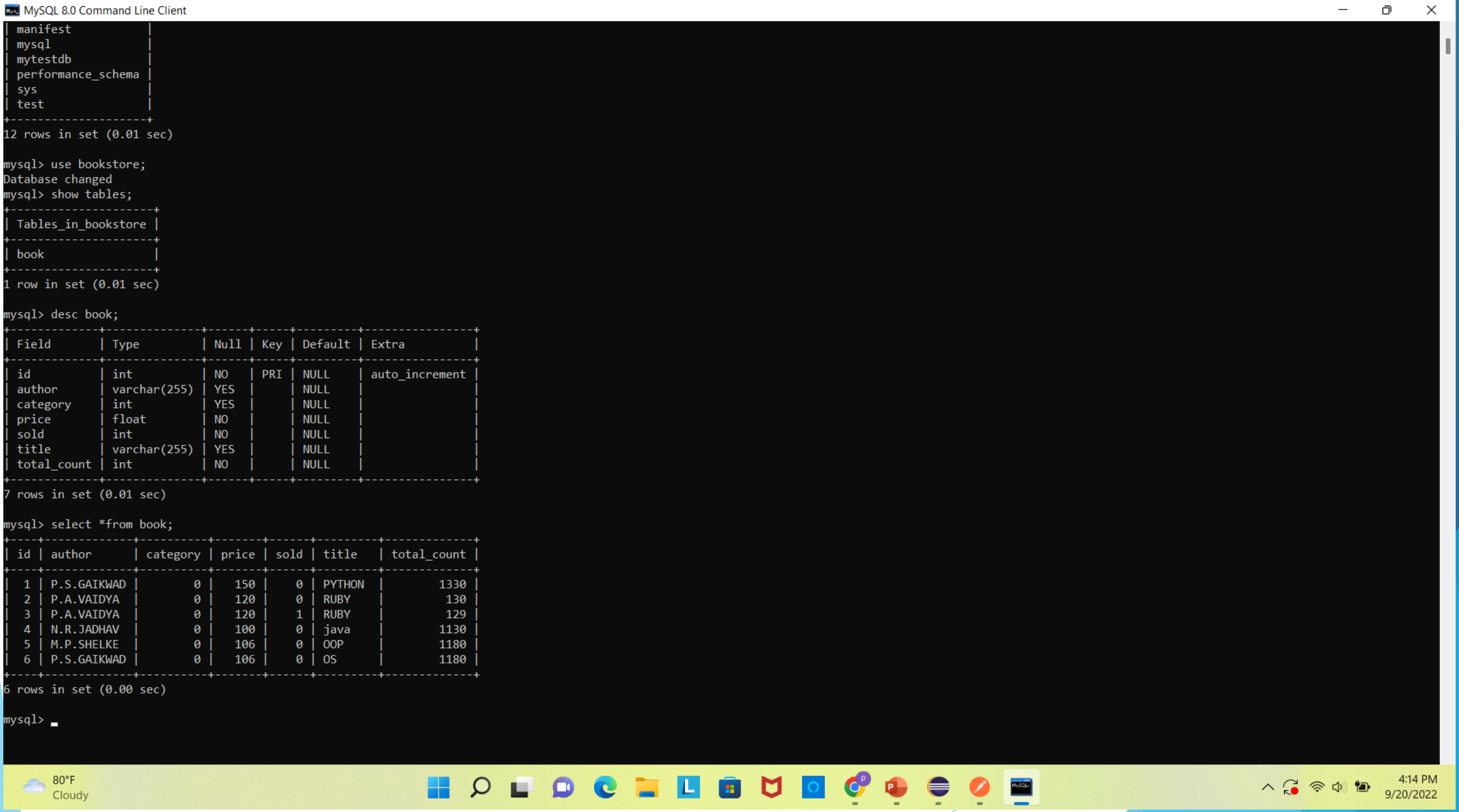


MySQL 8.0 Command Line Client

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| bookstore          |
| ebs                |
| edubridge          |
| electricity        |
| hospital           |
| information_schema |
| manifest           |
| mysql              |
| mytestdb           |
| performance_schema |
| sys                |
| test               |
+--------------------+
12 rows in set (0.01 sec)

mysql> use bookstore;
Database changed
mysql> show tables;
+---------------------+
| Tables_in_bookstore |
+---------------------+
| book                |
+---------------------+
1 row in set (0.01 sec)

mysql> desc book;
+-------------+--------------+------+-----+---------+----------------+
| Field       | Type         | Null | Key | Default | Extra          |
+-------------+--------------+------+-----+---------+----------------+
| id          | int          | NO   | PRI | NULL    | auto_increment |
| author      | varchar(255) | YES  |     | NULL    |                |
| category    | int          | YES  |     | NULL    |                |
| price       | float        | NO   |     | NULL    |                |
| sold        | int          | NO   |     | NULL    |                |
| title       | varchar(255) | YES  |     | NULL    |                |
| total_count | int          | NO   |     | NULL    |                |
+-------------+--------------+------+-----+---------+----------------+
7 rows in set (0.01 sec)

mysql> select *from book;
+----+-------------+----------+-------+------+--------+-------------+
| id | author      | category | price | sold | title  | total_count |
+----+-------------+----------+-------+------+--------+-------------+
|  1 | P.S.GAIKWAD |        0 |   150 |    0 | PYTHON |        1330 |
```

80°F
Cloudy

4:14 PM
9/20/2022



```
| manifest           |
| mysql              |
| mytestdb           |
| performance_schema |
| sys                |
| test               |
+--------------------+
12 rows in set (0.01 sec)

mysql> use bookstore;
Database changed
mysql> show tables;
+---------------------+
| Tables_in_bookstore |
+---------------------+
| book                |
+---------------------+
1 row in set (0.01 sec)

mysql> desc book;
+-------------+--------------+------+-----+---------+----------------+
| Field       | Type         | Null | Key | Default | Extra          |
+-------------+--------------+------+-----+---------+----------------+
| id          | int          | NO   | PRI | NULL    | auto_increment |
| author      | varchar(255) | YES  |     | NULL    |                |
| category    | int          | YES  |     | NULL    |                |
| price       | float        | NO   |     | NULL    |                |
| sold        | int          | NO   |     | NULL    |                |
| title       | varchar(255) | YES  |     | NULL    |                |
| total_count | int          | NO   |     | NULL    |                |
+-------------+--------------+------+-----+---------+----------------+
7 rows in set (0.01 sec)

mysql> select *from book;
+----+------------+----------+-------+------+--------+-------------+
| id | author     | category | price | sold | title  | total_count |
+----+------------+----------+-------+------+--------+-------------+
|  1 | P.S.GAIKWAD |        0 |   150 |    0 | PYTHON |        1330 |
|  2 | P.A.VAIDYA |        0 |   120 |    0 | RUBY   |         130 |
|  3 | P.A.VAIDYA |        0 |   120 |    1 | RUBY   |         129 |
|  4 | N.R.JADHAV |        0 |   100 |    0 | java   |        1130 |
|  5 | M.P.SHELKE |        0 |   106 |    0 | OOP    |        1180 |
|  6 | P.S.GAIKWAD |        0 |   106 |    0 | OS     |        1180 |
+----+------------+----------+-------+------+--------+-------------+
6 rows in set (0.00 sec)

mysql>
```

## Advantages

- It is User-friendly System.
- It keeps tracks of all the books.
- It gives us all the information about the books.
- It focuses on day to day operations in book store such as the user search book by using id.
- It increases efficiency in managing the books .

Thank You…