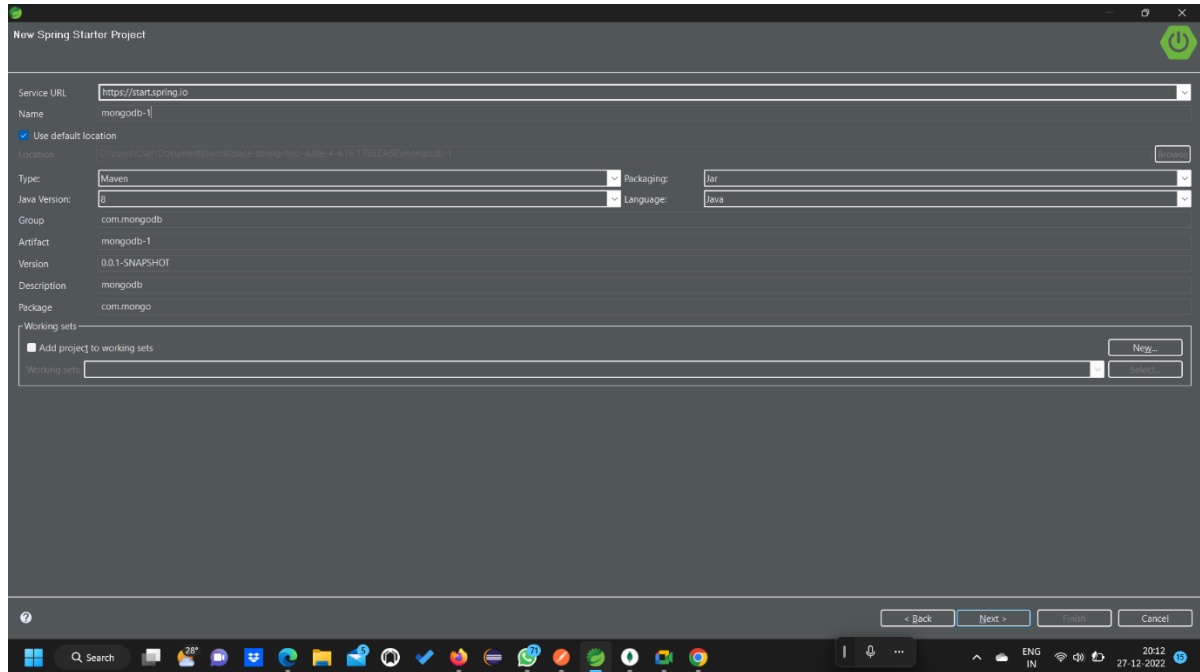
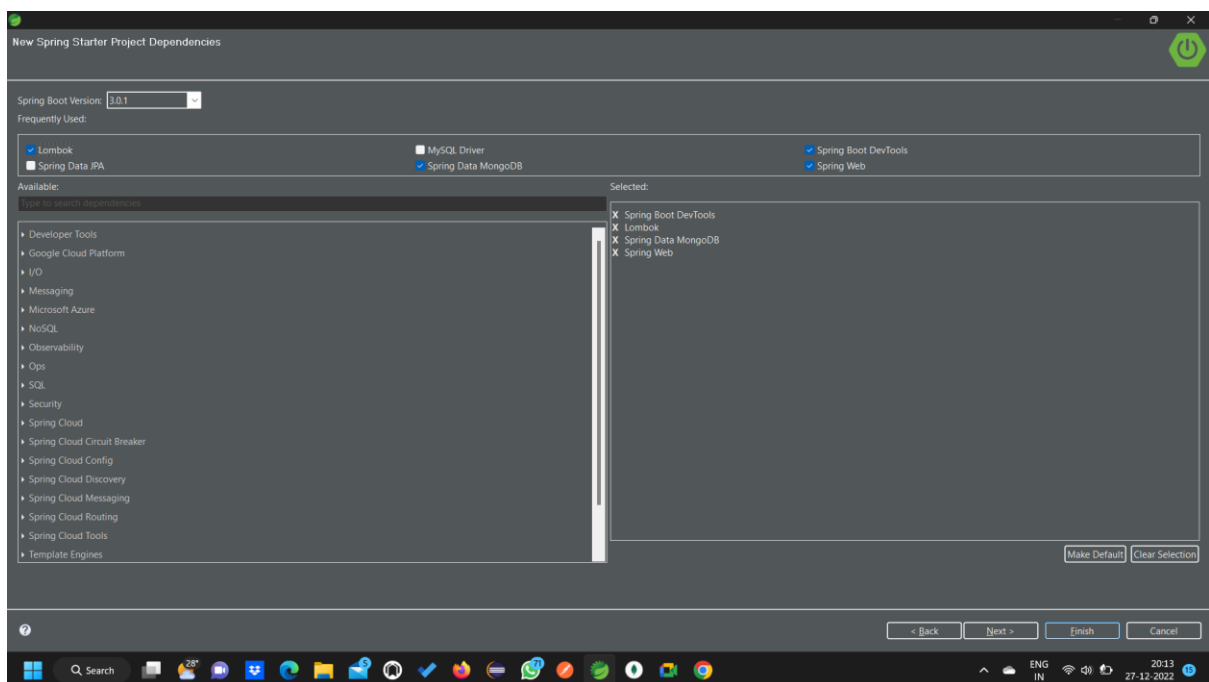


Spring Boot MongoDB CRUD example with Maven

- Create a new project
- Select Spring Starter Project

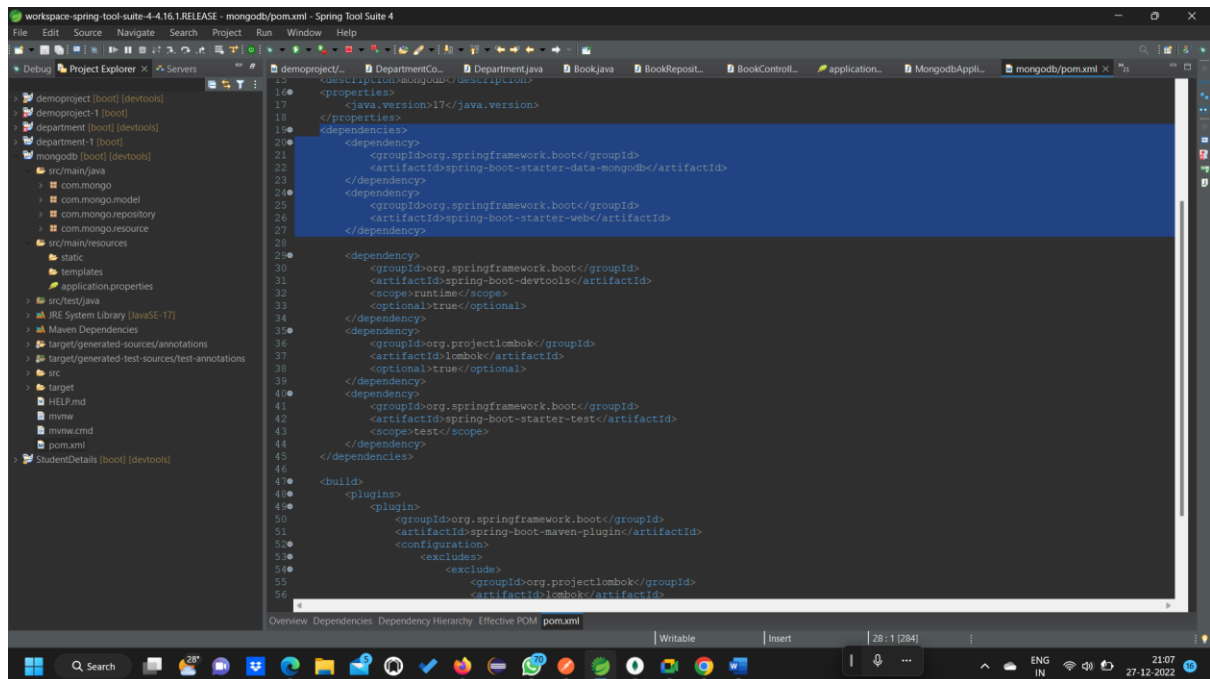


- Add the Dependency



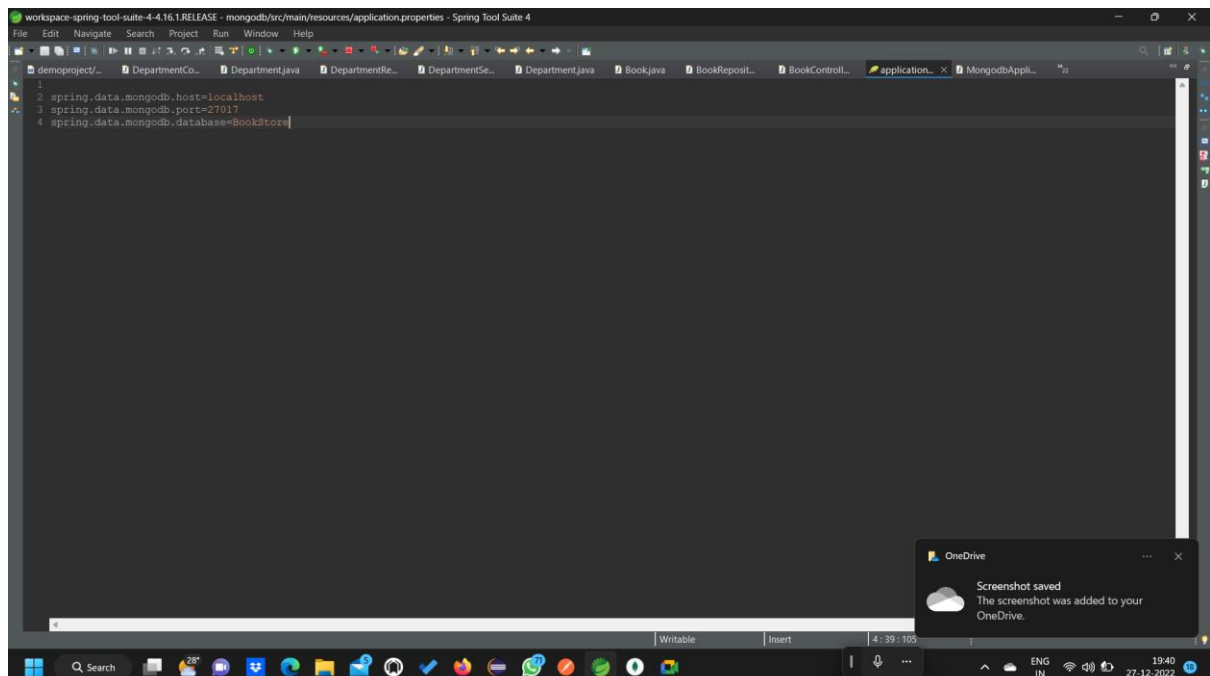
Create & Setup Spring Boot project

- Then open pom.xml and add these dependencies:

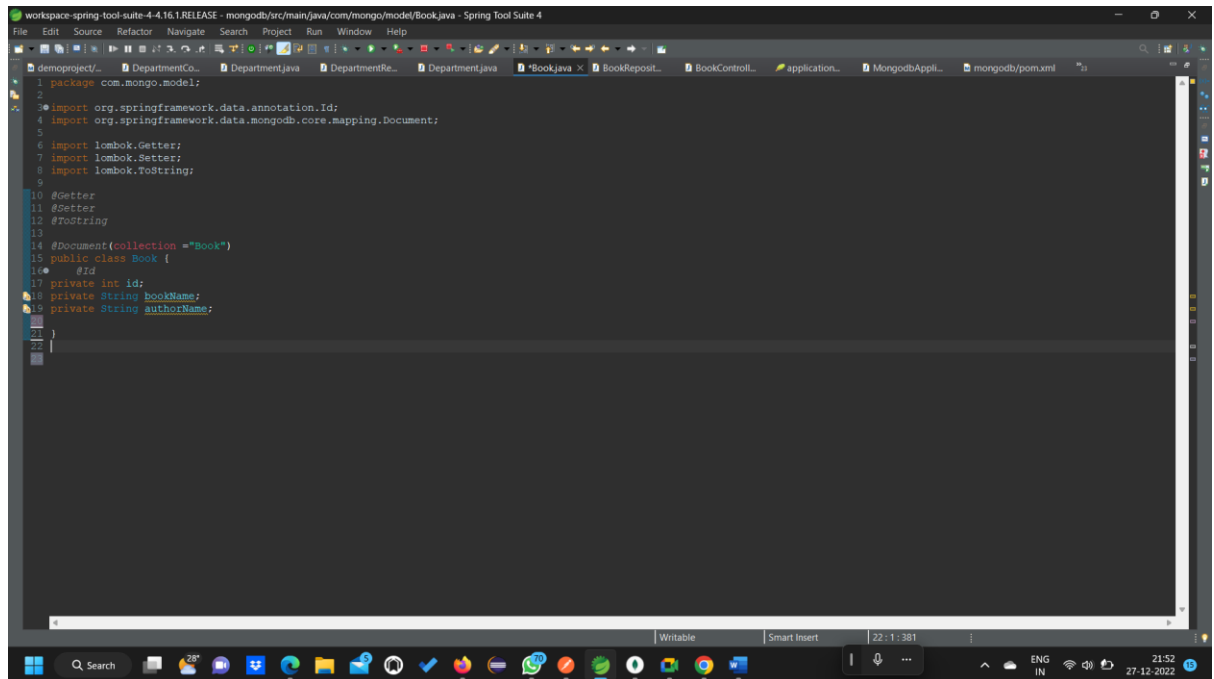


Configure Spring Data MongoDB

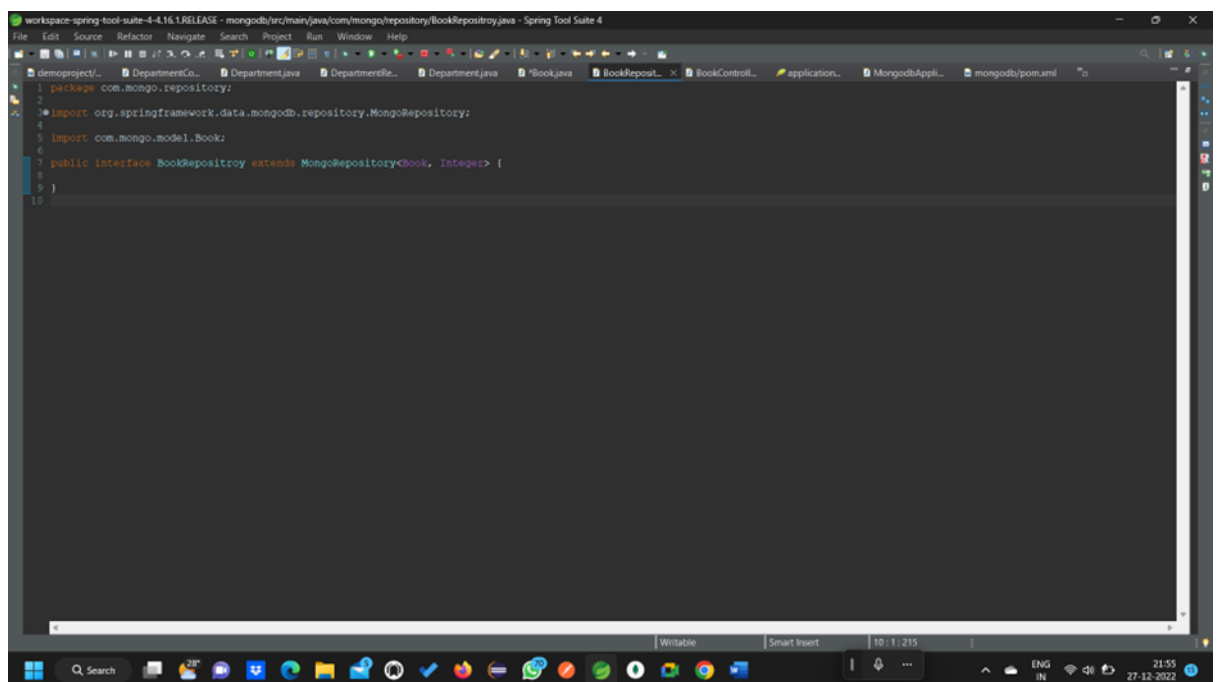
- Under src/main/resources folder, open application.properties and add following lines.



- Create 4 packages as listed and create some classes and interfaces inside these packages as seen in the below image as shown:
 - model
 - Repository
 - Resource
- Inside the model Package Create Book.java Class



- Inside the repository Package Create Interface as BookRepository

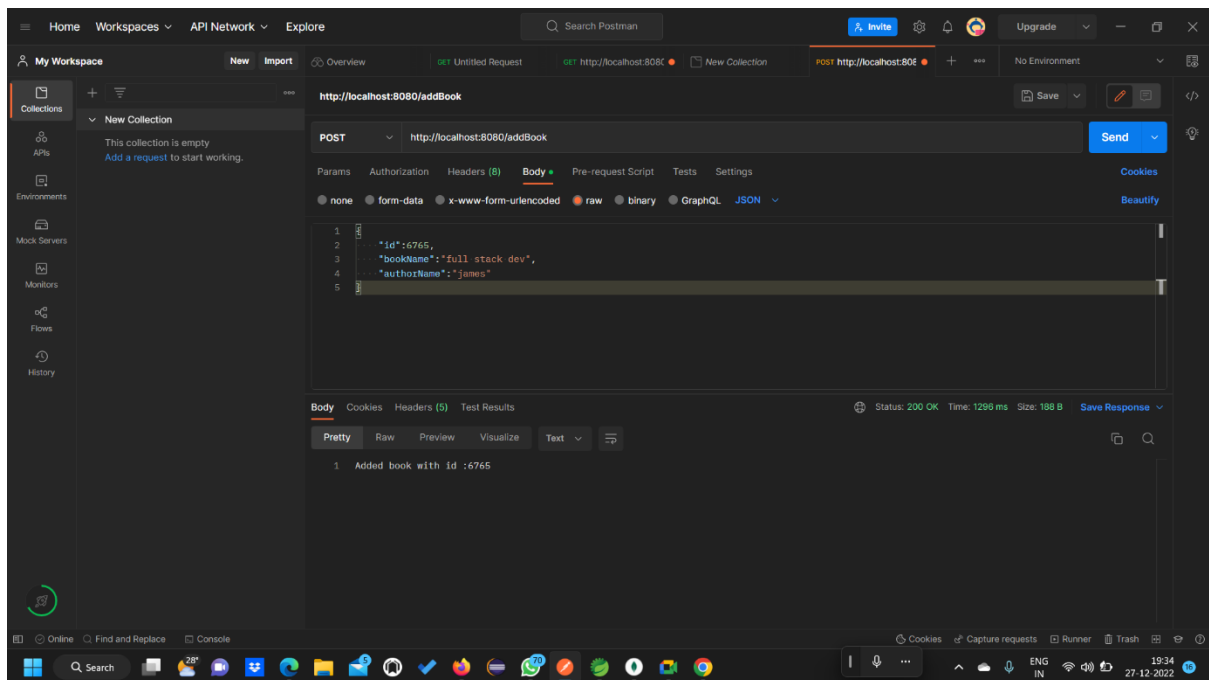


- Inside the resource Package create Class as BookController

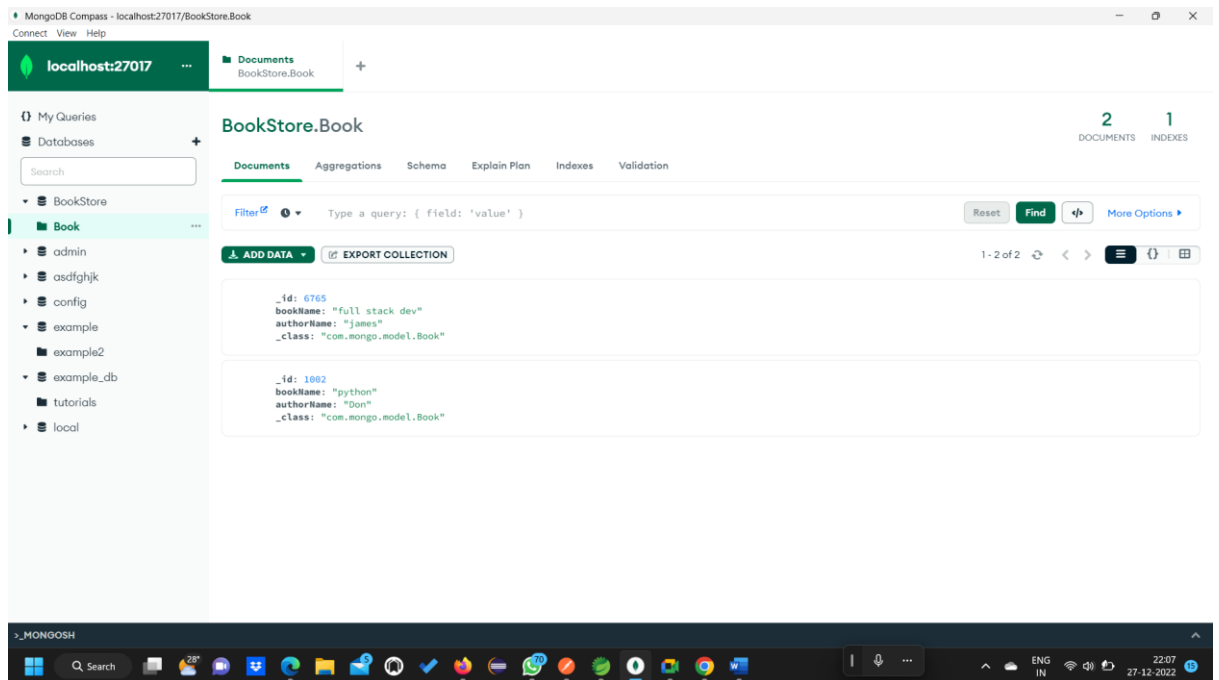
```
1 package com.mongo.resource;
2
3 import java.util.List;
4 import java.util.Optional;
5
6 import org.springframework.beans.factory.annotation.Autowired;
7 import org.springframework.web.bind.annotation.DeleteMapping;
8 import org.springframework.web.bind.annotation.GetMapping;
9 import org.springframework.web.bind.annotation.PathVariable;
10 import org.springframework.web.bind.annotation.PostMapping;
11 import org.springframework.web.bind.annotation.RequestBody;
12 import org.springframework.web.bind.annotation.RestController;
13
14 import com.mongo.model.Book;
15 import com.mongo.repository.BookRepository;
16
17 @RestController
18 public class BookController {
19     @Autowired
20     private BookRepository repository;
21     @PostMapping("/addBook")
22     public String newBook(@RequestBody Book book) {
23         repository.save(book);
24         return "Added book with id : " + book.getId();
25     }
26
27     @GetMapping("/findAllBooks")
28     public List<Book> getBooks() {
29         return repository.findAll();
30     }
31
32     @GetMapping("/{id}")
33     public Optional<Book> getBook(@PathVariable int id) {
34         return repository.findById(id);
35     }
36
37     @DeleteMapping("/delete/{id}")
38     public String deleteBook(@PathVariable int id) {
39         repository.delete(id);
40         return "book deleted with id : " + id;
41     }
42 }
```

Testing the Endpoint in Postman:-

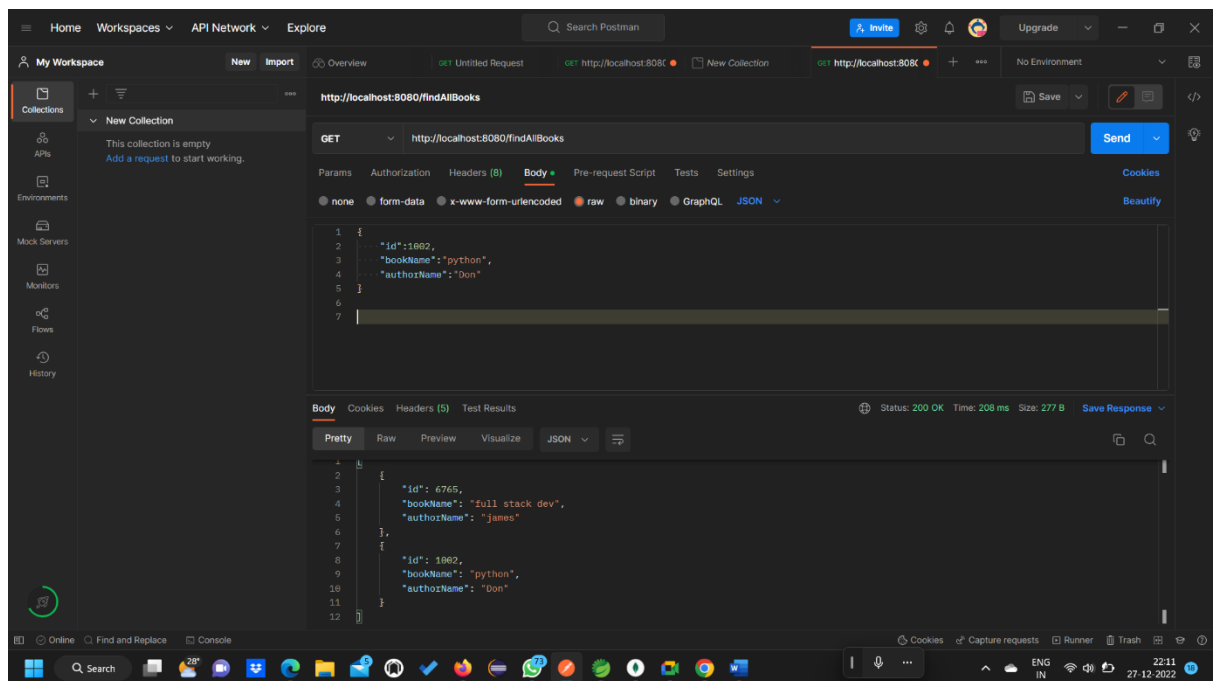
Endpoint : POST – <http://localhost:8080/addBook>



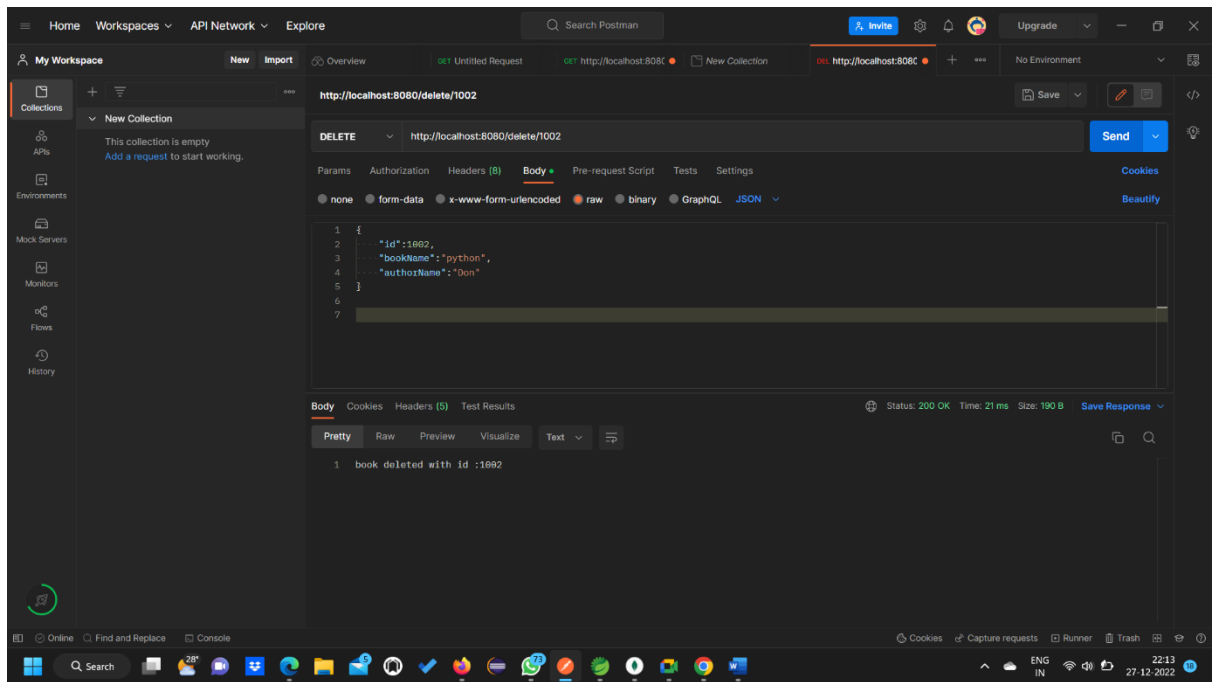
➤ Check MongoDB database:



➤ Get all Books :



➤ Delete a Book:



➤ Check MongoDB database after deleting the Tutorial:

