#### **Spring MongoDB**

```
~Add the following dependency:-
```

- \*Spring Web
- \*Spring Boot DevTools
- \*Lombok
- \*Spring Data MongoDB

## Book.java

```
package com.example.demo;
import org.springframework.data.annotation.Id;
import org.springframework.data.mongodb.core.mapping.Document;
import lombok.AllArgsConstructor;
import lombok.Data;
import lombok. NoArgsConstructor;
@Data
@NoArgsConstructor
@AllArgsConstructor
@Document(collection="Book")
public class Book {
@Id
private int id;
private String bookName;
private String authorName;
public Book()
{
public Book(int id, String bookName, String authorName)
```

```
super();
this.id=id;
this.bookName=bookName;
this.authorName=authorName;
public int getId() {
return id;
}
public void setId(int id) { this.id = id;
}
public String getBookName() { return bookName;
public void setBookName(String bookName) { this.bookName = bookName;
} public String getAuthorName() { return authorName;
             setAuthorName(String authorName) {
public void
                                                       this.authorName
authorName;
}
BookRepo.java
package com.example.demo;
import org.springframework.data.mongodb.repository.MongoRepository;
import org.springframework.stereotype.Repository;
@Repository
public interface BookRepo extends MongoRepository<Book, Integer> {
```

```
// No custom methods needed for basic CRUD operations.

// MongoRepository already provides methods like save(), findAll(), findById(), and deleteById().

}

DemoApplication iava
```

```
DemoApplication.java
package com.example.demo;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication
public class DemoApplication {

   public static void main(String[] args) {

        SpringApplication.run(DemoApplication.class, args);
    }
}
```

# MainController.java

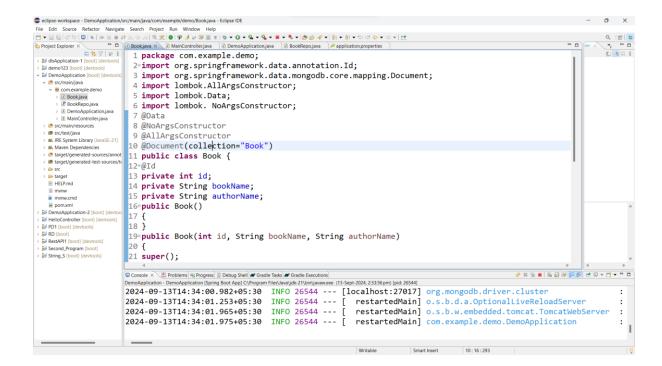
}

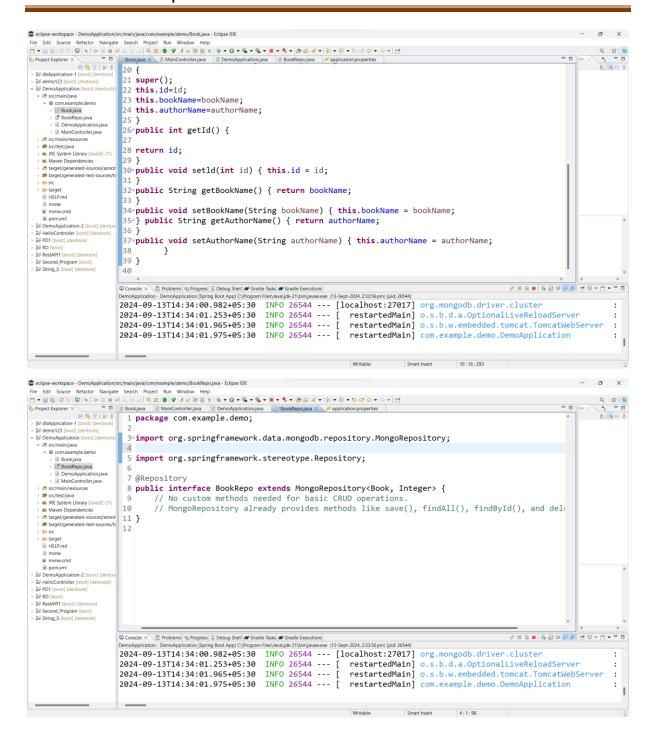
```
package com.example.demo;
import java.util.List;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.DeleteMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.PutMapping;
```

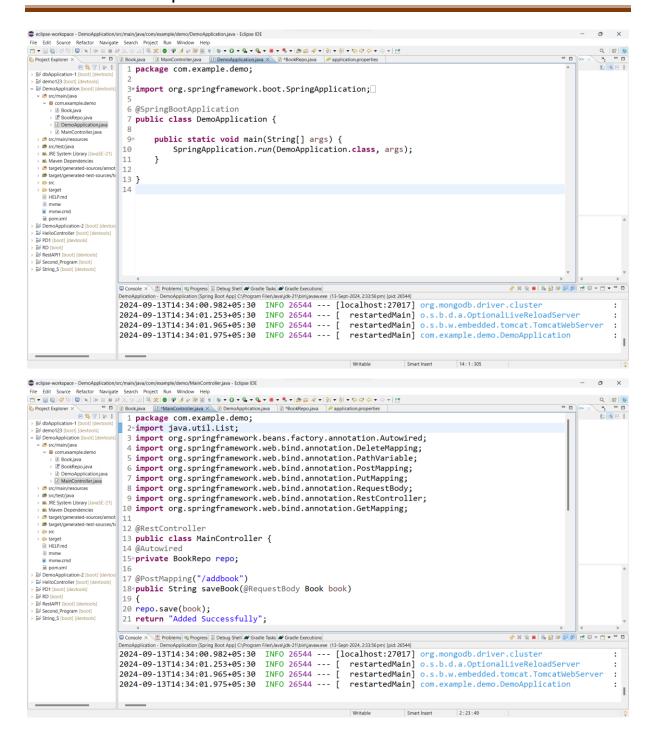
import org.springframework.web.bind.annotation.RequestBody; import org.springframework.web.bind.annotation.RestController; import org.springframework.web.bind.annotation.GetMapping;

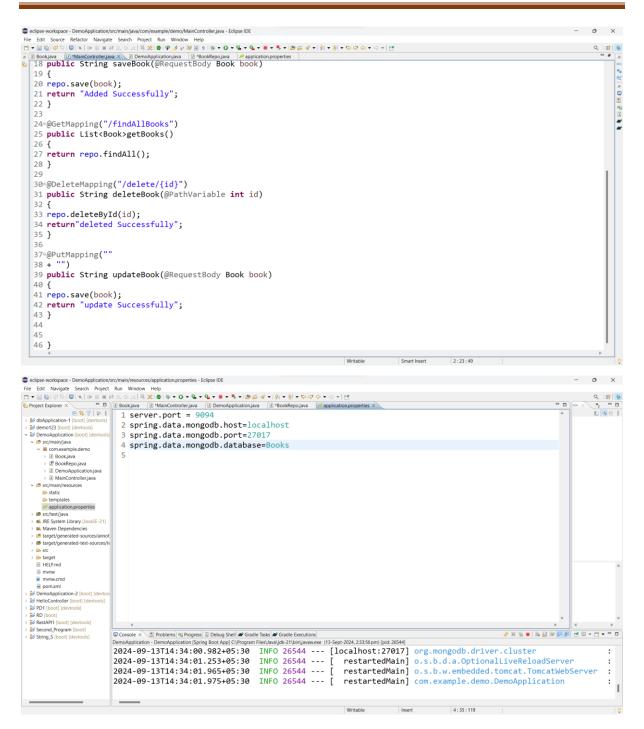
```
@RestController
public class MainController {
@Autowired
private BookRepo repo;
@PostMapping("/addbook")
public String saveBook(@RequestBody Book book)
{
repo.save(book);
return "Added Successfully";
}
@GetMapping("/findAllBooks")
public List<Book>getBooks()
return repo.findAll();
}
@DeleteMapping("/delete/{id}")
public String deleteBook(@PathVariable int id)
repo.deleteById(id);
return"deleted Successfully";
@PutMapping(""
```

```
public String updateBook(@RequestBody Book book)
{
repo.save(book);
return "update Successfully";
}
}
```



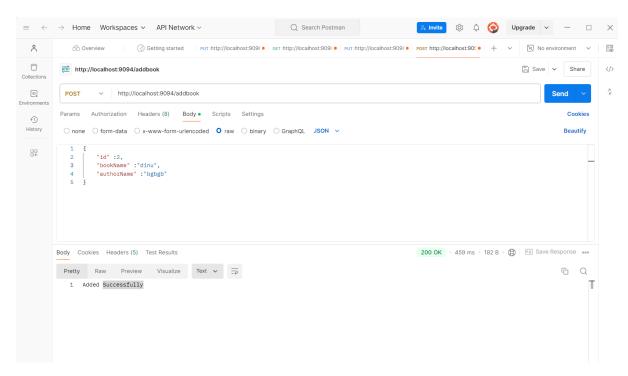




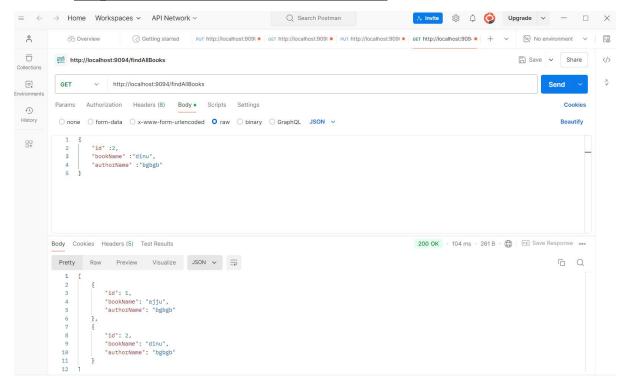


### **Output:-**

### POST= http://localhost:9094/addbook



### PUT= http://localhost:9094/findAllBooks



**Delete=** <u>http://localhost:9094/delete/1</u>

