Exercise 2: Implementing Dependency Injection

Scenario:

In the library management application, you need to manage the dependencies between the BookService and BookRepository classes using Spring's IoC and DI.

Steps:

- 1. Modify the XML Configuration:
 - Update applicationContext.xml to wire BookRepository into BookService.

2. Update the BookService Class:

o Ensure that **BookService** class has a setter method for **BookRepository**.

```
*BookService.java X Main.java X applicationContextxml

1 package com.library.service;
2 import com.library.repository.BookRepository;
4 public class BookService 
6 private BookRepository bookRepository;
8 public BookRepository getBookRepository() {
10 return bookRepository;
11 }
12 public void setBookRepository(BookRepository bookRepository) {
14 this.bookRepository = bookRepository;
15 }
16 @Override
17 public String toString() {
18 return "" + bookRepository;
19 }
20 }
21 }
```

3. Test the Configuration:

o Run the **LibraryManagementApplication** main class to verify the dependency injection.

