**Exercise 2: Implementing Dependency Injection**

**Step1:**

**Update XML Configuration**

  <properties>

    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

    <maven.compiler.source>24</maven.compiler.source>

    <maven.compiler.target>24</maven.compiler.target>

  </properties>

  <dependencies>

    <!-- Spring Core Dependency -->

    <dependency>

        <groupId>org.springframework</groupId>

        <artifactId>spring-core</artifactId>

        <version>5.3.10</version>

    </dependency>

    <!-- Spring Context Dependency -->

    <dependency>

        <groupId>org.springframework</groupId>

        <artifactId>spring-context</artifactId>

        <version>5.3.10</version>

    </dependency>

    <!-- Spring Beans Dependency -->

    <dependency>

        <groupId>org.springframework</groupId>

        <artifactId>spring-beans</artifactId>

        <version>5.3.10</version>

    </dependency>

</dependencies>

**Step 2:**

**Ensure BookService class has a setter method for BookRepository**

**BookService.java**

package com.library.service;

import com.library.repository.BookRepository;

public class BookService {

    private BookRepository bookRepository;

    // Setter method for dependency injection

    public void setBookRepository(BookRepository bookRepository) {

        this.bookRepository = bookRepository;

    }

    // A sample method to get a book

    public String getBookDetails(int bookId) {

        return bookRepository.findBookById(bookId);

    }

}