2200030216 Spring Core\_Maven

Exercise 5: Configuring the Spring IoC Container

Update applicationContext.**xml** to configure constructor injection for **BookService**.

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

       xsi:schemaLocation="

           http://www.springframework.org/schema/beans

           https://www.springframework.org/schema/beans/spring-beans.xsd">

    <bean id="bookRepository" class="com.example.library.repository.BookRepository"/>

    <bean id="bookService" class="com.example.library.service.BookService">

        <property name="bookRepository" ref="bookRepository"/>

    </bean>

</beans>

Ensure that the **BookService** class has a setter method for **BookRepository** and configure it in **applicationContext.xml**.

package com.example.library.service;

import com.example.library.repository.BookRepository;

import java.util.List;

public class BookService {

    private BookRepository bookRepository;

    public *void* setBookRepository(BookRepository *bookRepository*) {

        this.bookRepository = *bookRepository*;

    }

    public List<String> getAllBooks() {

        return bookRepository.findAll();

    }

}

Create a main class to load the Spring context and test the configuration

