**Exercise 2: Implementing Dependency Injection**

**Step-1:** Modified xml file

**applicationContext.xml**

<?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

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

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

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

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

    </bean>

</beans>

**Step-2: Update the BookService Class:(already a setter method is there)**

**BookService.java**

package com.library.service;

import com.library.repository.BookRepository;

public class BookService {

    private BookRepository bookRepository;

    public void setBookRepository(BookRepository bookRepository) {//setter method

        this.bookRepository = bookRepository;

System.out.println("settermethod invoked");

  }

    public void addBook(String bookName) {

        System.out.println("Book added with name : " + bookName);

        bookRepository.saveBook(bookName);

    }

}

**Step-3 : run**

**Mylib.java**

package com.library;

import com.library.service.BookService;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Mylib {

    public static void main(String[] args) {

        ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");

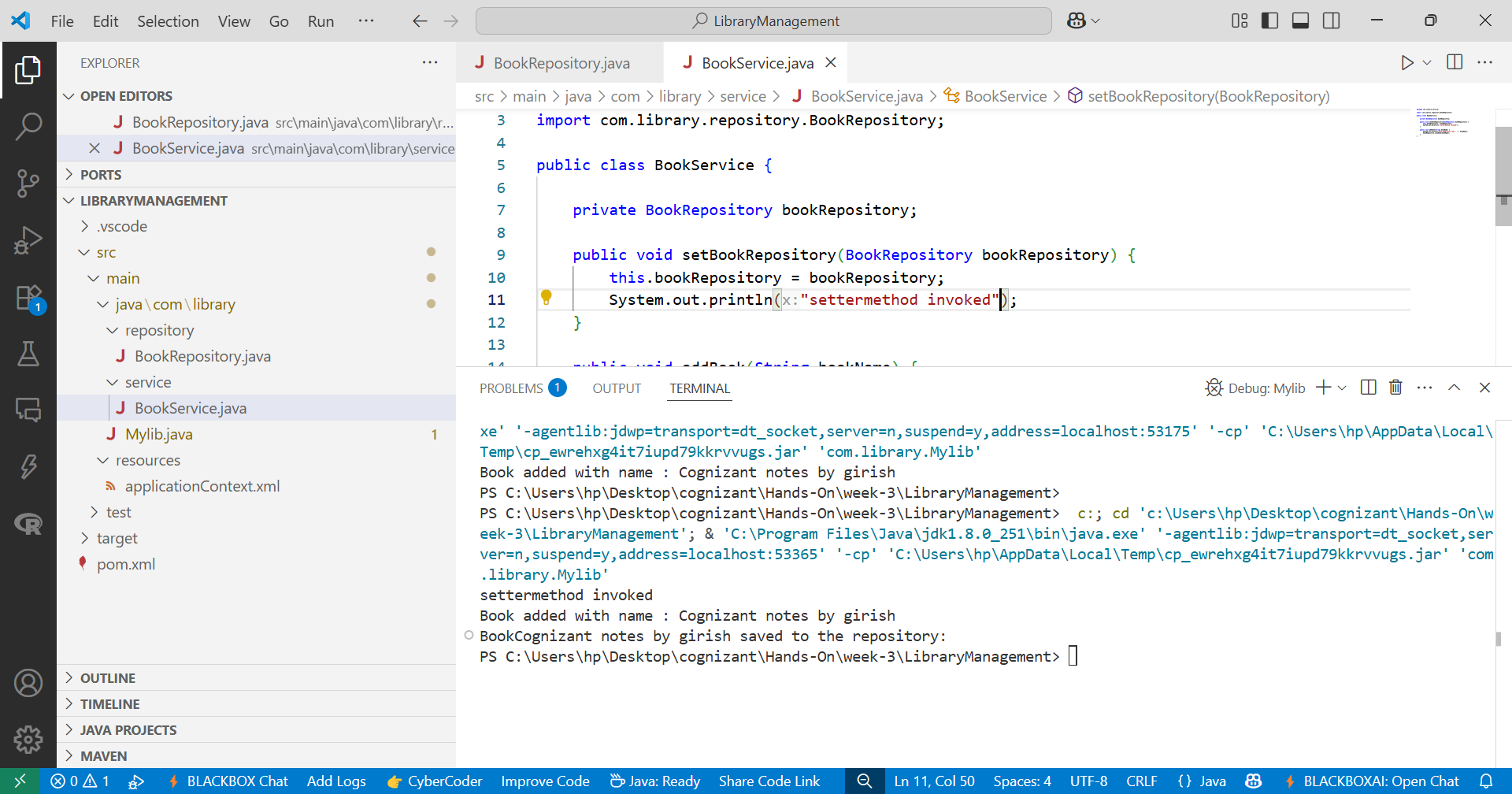
        BookService bookService = (BookService) context.getBean("bookService");

        bookService.addBook("Cognizant notes by girish");

    }

}

**Output:**

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