**SUPERSET ID: 6408269**

**TOPIC : SPRING CORE AND MAVEN**

**EXERCISE 2: IMPLEMENTING DEPENDENCY INJECTION**

-> **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>

**->** **BookService Class**

package com.library.service;

import com.library.repository.BookRepository;

public class BookService {

private BookRepository bookRepository;

public void setBookRepository(BookRepository bookRepository) {

this.bookRepository = bookRepository;

}

public void displayBooks() {

System.*out*.println("Inside BookService:");

bookRepository.fetchBooks();

}

}

->**BookRepository class**

package com.library.repository;

public class BookRepository {

public void fetchBooks() {

System.*out*.println("Fetching books from the repository...");

}

}

-> **LibraryManagementApplication**

package com.library;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import com.library.service.BookService;

public class LibraryManagementApplication {

public static void main(String[] args) {

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

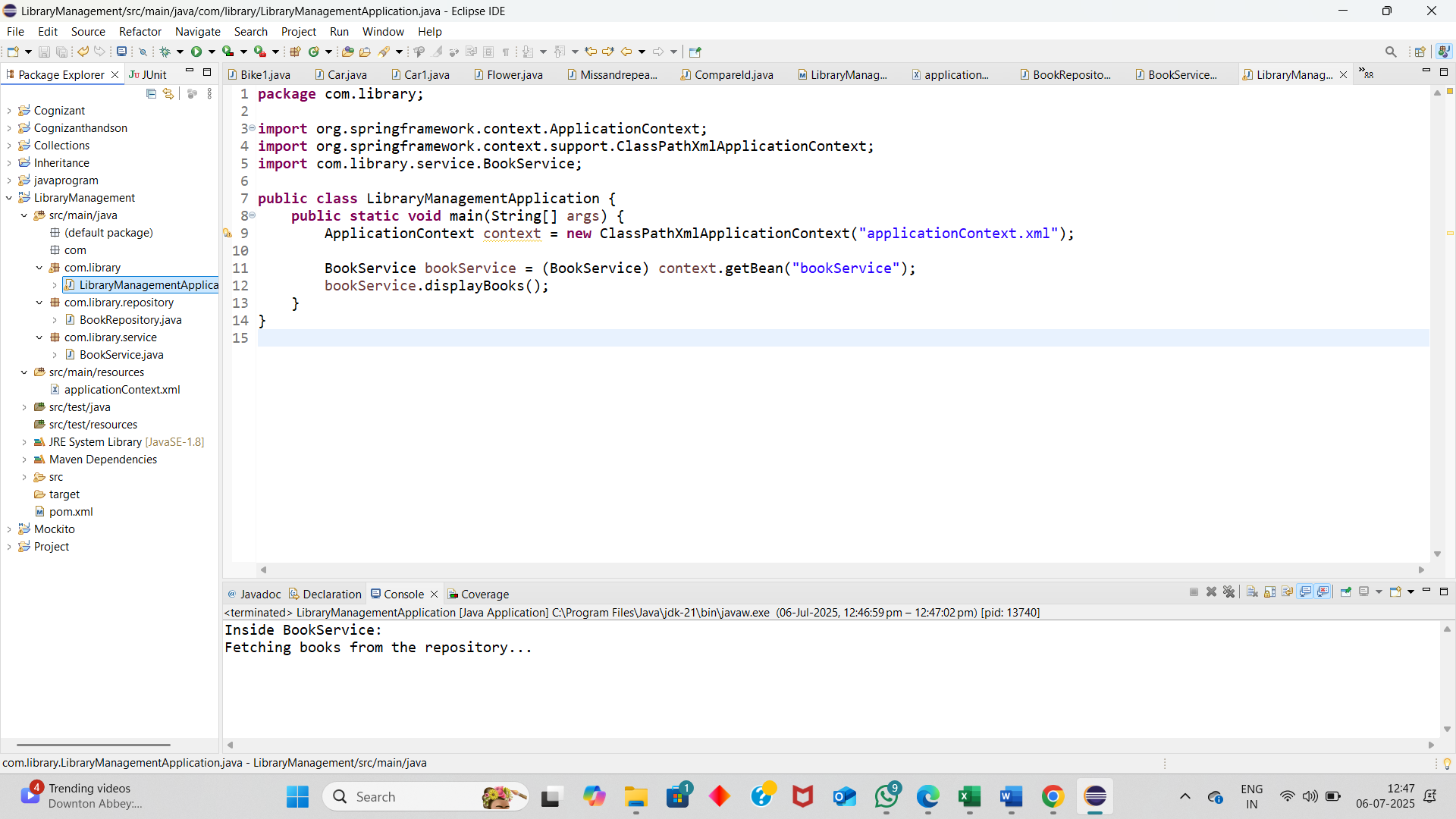
BookService bookService = (BookService) context.getBean("bookService");

bookService.displayBooks();

}

}

**OUTPUT SCREENSHOT :**

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