**Exercise 6: Configuring Beans with Annotations**

**BookRepository.java**

package com.library.repository;  
import org.springframework.stereotype.Repository;

@Repository

public class BookRepository {  
 public String getBook() {  
 return "The Way of the Kings";  
 }  
}

**BookService.java**

package com.library.service;  
  
import com.library.repository.BookRepository;  
import com.library.repository.AuthorRepository;  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.stereotype.Service;  
  
@Service  
public class BookService {  
 private BookRepository bookRepository;  
 private AuthorRepository authorRepository;  
 @Autowired  
 public void setBookRepository(BookRepository bookRepository) {  
 this.bookRepository = bookRepository;  
 }  
  
  
 public void printBookDetails() {  
 System.*out*.println("Book: " + bookRepository.getBookTitle());  
 }  
}

**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"  
 xmlns:context="http://www.springframework.org/schema/context"  
 xsi:schemaLocation="  
 http://www.springframework.org/schema/beans  
 http://www.springframework.org/schema/beans/spring-beans.xsd  
 http://www.springframework.org/schema/context  
 http://www.springframework.org/schema/context/spring-context.xsd">  
<context:component-scan base-package="com.library" />  
  
</beans>

**LibraryManagementApplication.java**

import com.library.service.BookService;  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
  
public class LibraryManagementApplication {  
 public static void main(String[] args) {  
 ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");  
  
 BookService bookService = (BookService) context.getBean("bookService");  
  
 bookService.printBook();  
 }  
}

**Output**

