**Exercise 1: Configuring a Basic Spring Application**

**pom.xml**

<project xmlns="http://maven.apache.org/POM/4.0.0"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0   
http:*//maven.apache.org/xsd/maven-4.0.0.xsd">* <modelVersion>4.0.0</modelVersion>  
 <groupId>com.library</groupId>  
 <artifactId>LibraryManagement</artifactId>  
 <version>1.0-SNAPSHOT</version>  
  
 <dependencies>  
 <dependency>  
 <groupId>org.springframework</groupId>  
 <artifactId>spring-context</artifactId>  
 <version>5.3.34</version>  
 </dependency>  
 </dependencies>  
 <build>  
 <plugins>  
 <plugin>  
 <groupId>org.apache.maven.plugins</groupId>  
 <artifactId>maven-compiler-plugin</artifactId>  
 <version>3.8.1</version>  
 <configuration>  
 <source>1.8</source>  
 <target>1.8</target>  
 </configuration>  
 </plugin>  
 </plugins>  
 </build>  
</project>

**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" />  
</beans>  
  
**BookRepository.java**

package com.library.repository;  
  
public class BookRepository {  
 public String getBookTitle() {  
 return "The Way of the Kings";  
 }  
}

**BookService.java**

package com.library.service;  
  
public class BookService {  
 public void displayBookTitle() {  
 System.*out*.println("Inside BookService: No Repository Connected Yet");  
 }  
}

**LibraryManagementApplication.java**

package com.library;  
  
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 service = (BookService) context.getBean("bookService");  
 service.displayBookTitle();  
 }  
}

**Output**

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