Exercise 4: Creating and Configuring a Maven Project

# Scenario:

You need to set up a new Maven project for the library management application and add Spring dependencies.

# 1. Create a New Maven Project

Create a new Maven project named LibraryManagement using your IDE or manually.

# 2. Add Spring Dependencies in pom.xml

Include dependencies for Spring Context, Spring AOP, and Spring WebMVC:

<dependencies>  
 <!-- Spring Context -->  
 <dependency>  
 <groupId>org.springframework</groupId>  
 <artifactId>spring-context</artifactId>  
 <version>5.3.31</version>  
 </dependency>  
  
 <!-- Spring AOP -->  
 <dependency>  
 <groupId>org.springframework</groupId>  
 <artifactId>spring-aop</artifactId>  
 <version>5.3.31</version>  
 </dependency>  
  
 <!-- Spring WebMVC -->  
 <dependency>  
 <groupId>org.springframework</groupId>  
 <artifactId>spring-webmvc</artifactId>  
 <version>5.3.31</version>  
 </dependency>  
</dependencies>

# 3. Configure Maven Plugins

Configure the Maven Compiler Plugin for Java version 1.8 in the pom.xml file:

<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>