**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.

**Steps** :

1. A new Maven project named **LibraryManagement** is created.
2. **Spring Dependencies** for Spring Context, Spring AOP, and Spring WebMVC are included **in pom.xml** .
3. <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 https://maven.apache.org/xsd/maven-4.0.0.xsd">
4. <modelVersion>4.0.0</modelVersion>
5. <groupId>com.library</groupId>
6. <artifactId>LibraryManagement</artifactId>
7. <version>0.0.1-SNAPSHOT</version>
8. <dependencies>
9. <!-- Spring Context -->
10. <dependency>
11. <groupId>org.springframework</groupId>
12. <artifactId>spring-context</artifactId>
13. <version>5.3.31</version>
14. </dependency>
15. <!-- Spring AOP -->
16. <dependency>
17. <groupId>org.springframework</groupId>
18. <artifactId>spring-aop</artifactId>
19. <version>5.3.31</version>
20. </dependency>
21. <!-- Spring WebMVC -->
22. <dependency>
23. <groupId>org.springframework</groupId>
24. <artifactId>spring-webmvc</artifactId>
25. <version>5.3.31</version>
26. </dependency>
27. </dependencies>
28. <build>
29. <plugins>
30. <plugin>
31. <groupId>org.apache.maven.plugins</groupId>
32. <artifactId>maven-compiler-plugin</artifactId>
33. <version>3.10.1</version>
34. <configuration>
35. <source>1.8</source>
36. <target>1.8</target>
37. </configuration>
38. </plugin>
39. </plugins>
40. </build>
41. </project>

3. Maven Compiler Plugin for Java version 1.8 is configured in the pom.xml file.

