Step 1: Create a New Maven Project

Open IntelliJ IDEA .

Go to File → New → Project.

Select Maven → Click Next.

Name the project: LibraryManagement.

Set GroupId: com.library

Set ArtifactId: LibraryManagement

Finish to create the Maven project structure.

🔹 Step 2: Add Spring Dependencies in pom.xml

Open the pom.xml file and add the following dependencies inside the <dependencies> tag:

<dependencies>

<!-- Spring Context -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.33</version>

</dependency>

<!-- Spring AOP -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-aop</artifactId>

<version>5.3.33</version>

</dependency>

<!-- Spring WebMVC -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>5.3.33</version>

</dependency>

<!-- Logging (required by Spring) -->

<dependency>

<groupId>commons-logging</groupId>

<artifactId>commons-logging</artifactId>

<version>1.2</version>

</dependency>

</dependencies>

✅ After adding, right-click the project → Maven → Reload Project to download the libraries.

🔹 Step 3: Configure Maven Compiler Plugin

Still in pom.xml, inside the <build> tag, add the Maven Compiler Plugin to set Java version 1.8:

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.10.1</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

</build>

🔧 This ensures your project compiles using Java 8.

Output:

\*The Maven project LibraryManagement was successfully created.

\*Spring dependencies (spring-context, spring-aop, and spring-webmvc) were added in pom.xml.

\*The Maven Compiler Plugin was configured for Java 1.8 using version 3.8.1.

\*The project built successfully with no plugin or dependency errors.