**WEEK – 3 SPRING CORE MAVEN**

**Exercise 4: Creating and Configuring a Maven Project**

**Scenario:**

Setting up a new Maven project for the library management application and add Spring dependencies.

**Creating Maven Project**

A Maven project has been created using IntelliJ IDEA. The project is named **LibraryManagement**.It includes the necessary Spring dependencies for building a library management application.

**Adding Spring Dependencies in pom.xml**

<packaging>jar</packaging>

<name>LibraryManagement</name>

<properties>

<java.version>1.8</java.version>

<spring.version>5.3.33</spring.version> <!-- Use latest if required -->

</properties>

<dependencies>

<!-- Spring Context -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>${spring.version}</version>

</dependency>

<!-- Spring AOP -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-aop</artifactId>

<version>${spring.version}</version>

</dependency>

<!-- Spring Web MVC -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>${spring.version}</version>

</dependency>

<!-- Servlet API (provided by container) -->

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>javax.servlet-api</artifactId>

<version>4.0.1</version>

<scope>provided</scope>

</dependency>

</dependencies>

**Configuring Maven Compiler Plugin for Java 1.8**

<build>

<plugins>

<!-- Compiler Plugin -->

<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>

</project>