**CODE:**

eclipse.preferences.version=1

org.eclipse.jdt.core.compiler.codegen.targetPlatform=1.8

org.eclipse.jdt.core.compiler.compliance=1.8

org.eclipse.jdt.core.compiler.problem.enablePreviewFeatures=disabled

org.eclipse.jdt.core.compiler.problem.forbiddenReference=warning

org.eclipse.jdt.core.compiler.problem.reportPreviewFeatures=ignore

org.eclipse.jdt.core.compiler.release=disabled

org.eclipse.jdt.core.compiler.source=1.8

activeProfiles=

eclipse.preferences.version=1

resolveWorkspaceProjects=true

version=1

package com.library.repository;

public class BookRepository {

public void saveBook(String title) {

System.out.println("Book '" + title + "' saved by BookRepository.");

}

}

package com.library;

import com.library.service.BookService;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class MainApp {

public static void main(String[] args) {

try (ClassPathXmlApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml")) {

BookService service = context.getBean("bookService", BookService.class);

service.addBook("Design Patterns");

}

}

}

<?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">

<!-- BookRepository Bean -->

<bean id="bookRepository" class="com.library.repository.BookRepository" />

<!-- BookService Bean with constructor + setter injection -->

<bean id="bookService" class="com.library.service.BookService">

<!-- Constructor Injection -->

<constructor-arg value="LibraryServiceV1" />

<!-- Setter Injection -->

<property name="bookRepository" ref="bookRepository" />

</bean>

</beans>

<?xml version="1.0" encoding="UTF-8"?>

<classpath>

<classpathentry kind="src" output="target/classes" path="src/main/java">

<attributes>

<attribute name="optional" value="true"/>

<attribute name="maven.pomderived" value="true"/>

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<classpathentry kind="output" path="target/classes"/>

</classpath>

<?xml version="1.0" encoding="UTF-8"?>

<projectDescription>

<name>constructor-injection</name>

<comment></comment>

<projects>

</projects>

<buildSpec>

<buildCommand>

<name>org.eclipse.jdt.core.javabuilder</name>

<arguments>

</arguments>

</buildCommand>

<buildCommand>

<name>org.eclipse.m2e.core.maven2Builder</name>

<arguments>

</arguments>

</buildCommand>

</buildSpec>

<natures>

<nature>org.eclipse.jdt.core.javanature</nature>

<nature>org.eclipse.m2e.core.maven2Nature</nature>

</natures>

</projectDescription>

<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>LibraryInjectionExample</artifactId>

<version>1.0-SNAPSHOT</version>

<dependencies>

<!-- Spring Context -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.32</version>

</dependency>

</dependencies>

<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>

</project>

**OUTPUT:**

A screenshot of a computer program

Description automatically generated