**Exercise 8: Implementing Basic AOP with Spring**

// LoggingAspect.java

@Aspect

public class LoggingAspect {

@Before("execution(\* \*(..))")

public void logBeforeMethodExecution(JoinPoint joinPoint) {

System.out.println("Before method execution: " + joinPoint.getSignature().getName());

}

@After("execution(\* \*(..))")

public void logAfterMethodExecution(JoinPoint joinPoint) {

System.out.println("After method execution: " + joinPoint.getSignature().getName());

}

}

<!-- applicationContext.xml -->

<aop:aspectj-autoproxy/>

<bean id="loggingAspect" class="com.library.aspect.LoggingAspect"/>

<!-- LibraryManagementApplication.java -->

public class LibraryManagementApplication {

public static void main(String[] args) {

ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");

BookService bookService = context.getBean(BookService.class);

// Test the AOP functionality

bookService.doSomething();

}

}