**Exercise 3: Implementing Logging with Spring AOP**

<!-- pom.xml -->

<dependencies>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-aop</artifactId>

<version>5.3.22</version>

</dependency>

</dependencies>

<!-- LoggingAspect.java -->

@Aspect

public class LoggingAspect {

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

public Object logExecutionTime(ProceedingJoinPoint joinPoint) throws Throwable {

long start = System.currentTimeMillis();

Object result = joinPoint.proceed();

long end = System.currentTimeMillis();

System.out.println("Method " + joinPoint.getSignature().getName() + " took " + (end - start) + " ms");

return result;

}

}

<!-- applicationContext.xml -->

<aop:aspectj-autoproxy/>

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