**Week 3: Spring Core and Maven**

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**Spring Core and Maven Hands-On Tasks**

✅ ***Exercise 1:*** *Configuring a Basic Spring Application*

I created a simple Spring project using XML configuration, defined beans for BookService and BookRepository, and tested a simple book display function.

✅ ***Exercise 2:*** *Implementing Dependency Injection*

I applied setter injection to link the BookService with BookRepository so Spring automatically wired dependencies without me manually creating objects.

✅ ***Exercise 3:*** *Implementing AOP Logging*

Added an aspect to log before and after BookService methods using Spring AOP with XML configuration.

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

Configured the Maven project with required Spring dependencies, showing how Maven handles dependency management for Spring-based projects.

**Outcome**: Successfully ran the main class, saw the logs for book display and AOP advice, and confirmed Spring configuration was working.

