

## Introduction to Spring AOP

### **Aspect-Oriented Programming (AOP):**

- **Definition:** A programming paradigm that allows the separation of cross-cutting concerns (e.g., logging, security).
- **Purpose:** Solves problems related to cross-cutting concerns without scattering them across the codebase.
- **Benefits:** Simplifies maintenance by allowing you to create centralized concerns that can be invoked automatically.

### **Problem:**

- Without AOP, cross-cutting concerns like logging and security checks are spread across multiple parts of the application, leading to code duplication.

### **Solution:**

- Use AOP to create aspects that are called automatically to handle cross-cutting concerns.