

## Exercise 1: Configuring a Basic Spring Application

Objective: Set up a basic Spring application with XML configuration.

Solution:

Create a Maven project

Add Spring Context dependency to pom.xml:

```
xml
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-context</artifactId>
  <version>5.3.20</version>
</dependency>
```

Create applicationContext.xml in src/main/resources:

```
xml
<?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">

  <bean id="myService" class="com.example.MyServiceImpl"/>
</beans>
```

Main application class:

```
java
public class MainApp {
  public static void main(String[] args) {
    ApplicationContext context = new
ClassPathXmlApplicationContext("applicationContext.xml");
    MyService service = context.getBean(MyService.class);
    service.execute();
  }
}
```