# Java FSE Deep Skilling - Spring Core & Maven - Exercise Solutions

Exercise 1: Configuring a Basic Spring Application  
- Create Maven project `LibraryManagement`  
- pom.xml dependencies:  
<dependency>  
 <groupId>org.springframework</groupId>  
 <artifactId>spring-context</artifactId>  
 <version>5.3.8</version>  
</dependency>  
  
- applicationContext.xml:  
<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="bookRepository" class="com.library.repository.BookRepository"/>  
 <bean id="bookService" class="com.library.service.BookService">  
 <property name="bookRepository" ref="bookRepository"/>  
 </bean>  
</beans>  
  
- BookService.java:  
public class BookService {  
 private BookRepository bookRepository;  
 public void setBookRepository(BookRepository bookRepository) {  
 this.bookRepository = bookRepository;  
 }  
}  
  
- BookRepository.java:  
public class BookRepository {  
 public void save() {  
 System.out.println("Book saved!");  
 }  
}  
  
- Main:  
public class LibraryManagementApplication {  
 public static void main(String[] args) {  
 ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");  
 BookService service = context.getBean("bookService", BookService.class);  
 service.getBookRepository().save();  
 }  
}