**WEEK – 3 SPRING CORE MAVEN**

**Configuring a Basic Spring Application**

**Dependencies:**

<dependencies>  
 <dependency>  
 <groupId>org.springframework</groupId>  
 <artifactId>spring-context</artifactId>  
 <version>6.2.7</version>  
 </dependency>  
</dependencies>

**ApplicationContext.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="bookRepository" class="com.library.BookRepository"/>  
  
 <bean id="bookService" class="com.library.BookService">  
 <property name="bookRepository" ref="bookRepository"/>  
 </bean>  
  
</beans>

**BookService.java**

package com.library;  
  
public class BookService {  
 private BookRepository bookRepository;  
  
 public void setBookRepository(BookRepository bookRepository) {  
 this.bookRepository = bookRepository;  
 }  
  
 public void displayBooks() {  
 System.*out*.println("BookService: Delegating to repository...");  
 bookRepository.printBookList();  
 }  
}

**BookRepository.java**

package com.library;  
  
public class BookRepository {  
 public void printBookList() {  
 System.*out*.println("BookRepository: Listing all books...");  
 }  
}

**MainApp.java**

package com.library;  
  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
  
public class MainApp {  
 public static void main(String[] args) {  
 ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");  
 BookService bookService = context.getBean("bookService", BookService.class);  
 bookService.displayBooks();  
 }  
}

**Sample Output:**

