WEEK – 3

SPRING CORE AND MAVEN:

Exercise -1 Configuring a basic spring application

pom.xml:

<project xmlns="http://maven.apache.org/POM/4.0.0"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
 xsi:schemaLocation="http://maven.apache.org/POM/4.0.0  
 http://maven.apache.org/xsd/maven-4.0.0.xsd">  
  
<modelVersion>4.0.0</modelVersion>  
<groupId>com.cts.assignment</groupId>  
<artifactId>spring-core-demo</artifactId>  
<version>1.0-SNAPSHOT</version>  
  
<dependencies>  
 <!-- JUnit (optional for testing) -->  
 <dependency>  
 <groupId>junit</groupId>  
 <artifactId>junit</artifactId>  
 <version>3.8.1</version>  
 <scope>test</scope>  
 </dependency>  
  
 <!-- ✅ Spring Core -->  
 <dependency>  
 <groupId>org.springframework</groupId>  
 <artifactId>spring-core</artifactId>  
 <version>5.3.29</version>  
 </dependency>  
  
 <!-- ✅ Spring Context -->  
 <dependency>  
 <groupId>org.springframework</groupId>  
 <artifactId>spring-context</artifactId>  
 <version>5.3.29</version>  
 </dependency>  
</dependencies>  
  
</project>

HelloService.java :

package org.example;  
  
public class HelloService {  
 public void sayHello() {  
 System.*out*.println("Hello from Spring Core!");  
 }  
}

MainApp.java:

package org.example;  
import org.springframework.context.ApplicationContext;  
import org.springframework.context.support.ClassPathXmlApplicationContext;  
public class MainApp {  
 public static void main(String[] args) {  
 ApplicationContext context = new ClassPathXmlApplicationContext("beans.xml");  
 HelloService hello = (HelloService) context.getBean("helloService");  
 hello.sayHello();  
 }  
}

beans.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="helloService" class="org.example.HelloService"/>  
</beans>

OUTPUT:

