**HandsOn 4 : Spring Core – Load Country from Spring Configuration XML**

**Steps :**

1. **Create the Country Class –**

* Created a Java class named **Country** in the package **com.cognizant.spring\_learn**.
* It contains two instance variables: code and name.
* package com.cognizant.spring\_learn;
* import org.slf4j.Logger;
* import org.slf4j.LoggerFactory;
* public class Country {
* private static final Logger ***LOGGER*** = LoggerFactory.*getLogger*(Country.class);
* private String code;
* private String name;
* public Country() {
* ***LOGGER***.debug("Inside Country Constructor.");
* }
* public String getCode() {
* ***LOGGER***.debug("Inside getCode()");
* return code;
* }
* public void setCode(String code) {
* ***LOGGER***.debug("Inside setCode()");
* this.code = code;
* }
* public String getName() {
* ***LOGGER***.debug("Inside getName()");
* return name;
* }
* public void setName(String name) {
* ***LOGGER***.debug("Inside setName()");
* this.name = name;
* }
* *@Override*
* public String toString() {
* return "Country{" +
* "code='" + code + '\'' +
* ", name='" + name + '\'' +
* '}';
* }
* }

1. **Configure Spring XML (country.xml) –**

Created a file named country.xml under src/main/resources.

<?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

https://www.springframework.org/schema/beans/spring-beans.xsd">

<bean id="country" class="com.cognizant.spring\_learn.Country">

<property name="code" value="IN" />

<property name="name" value="India" />

</bean>

</beans>

1. **SpringLearnApplication.java –**
   1. package com.cognizant.spring\_learn;
   2. import org.slf4j.Logger;
   3. import org.slf4j.LoggerFactory;
   4. import org.springframework.context.support.ClassPathXmlApplicationContext;
   5. public class SpringLearnApplication {
   6. private static final Logger ***LOGGER*** = LoggerFactory.*getLogger*(SpringLearnApplication.class);
   7. public static void main(String[] args) {
   8. ***LOGGER***.info("START");
   9. *displayCountry*();
   10. ***LOGGER***.info("END");
   11. }
   12. public static void displayCountry() {
   13. try (ClassPathXmlApplicationContext context = new ClassPathXmlApplicationContext("country.xml")) {
   14. Country country = context.getBean("country", Country.class);
   15. ***LOGGER***.debug("Country : {}", country.toString());
   16. }
   17. }
   18. }
2. **Set Up Logging with logback.xml –**

I created logback.xml under src/main/resources.

<?xml version="1.0" encoding="UTF-8"?>

<configuration>

<appender name="STDOUT" class="ch.qos.logback.core.ConsoleAppender">

<encoder>

<pattern>%d{HH:mm:ss.SSS} [%thread] %-5level %logger{36} -- %msg%n</pattern>

</encoder>

</appender>

<logger name="com.cognizant.spring\_learn" level="DEBUG" />

<root level="INFO">

<appender-ref ref="STDOUT" />

</root>

</configuration>

**Output :**

**A screen shot of a computer

AI-generated content may be incorrect.**