**Exercise – 4**  **Spring Core – Load Country from Spring Configuration XML**

Steps to perform:

1. Create Country.xml under the resources path
2. <?xml version="1.0" encoding="UTF-8"?>
3. <beans xmlns="http://www.springframework.org/schema/beans"
4. xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
5. xsi:schemaLocation="http://www.springframework.org/schema/beans
6. http://www.springframework.org/schema/beans/spring-beans.xsd">
7. <bean id="country1" class="com.cognizant.spring\_learn.Country">
8. <property name="code" value="IN"/>
9. <property name="name" value="India"/>
10. </bean>
11. <bean id="country2" class="com.cognizant.spring\_learn.Country">
12. <property name="code" value="US"/>
13. <property name="name" value="United States"/>
14. </bean>
15. <bean id="country3" class="com.cognizant.spring\_learn.Country">
16. <property name="code" value="DE"/>
17. <property name="name" value="Germany"/>
18. </bean>
19. <bean id="country4" class="com.cognizant.spring\_learn.Country">
20. <property name="code" value="JP"/>
21. <property name="name" value="Japan"/>
22. </bean>
23. </beans>

2. Create Country.java under Main/Java directory

package com.cognizant.spring\_learn;

public class Country {

    private String country\_code;

    private String country\_name;

    public Country() {

    }

    public String getCode() {

        return country\_code;

    }

    public void setCode(String code) {

        this.country\_code = code;

    }

    public String getName() {

        return country\_name;

    }

    public void setName(String name) {

        this.country\_name = name;

    }

    @Override

    public String toString() {

        return "Country [code=" + country\_code + ", name=" + country\_name + "]";

    }

}

3. Write the methods to get and set the properties of the Country Class

package com.cognizant.spring\_learn;

public class Country {

    private String country\_code;

    private String country\_name;

    public Country() {

    }

    public String getCode() {

        return country\_code;

    }

    public void setCode(String code) {

        this.country\_code = code;

    }

    public String getName() {

        return country\_name;

    }

    public void setName(String name) {

        this.country\_name = name;

    }

    @Override

    public String toString() {

        return "Country [code=" + country\_code + ", name=" + country\_name + "]";

    }

}

4. Use the context of Country.xml and get the beans using this context of the xml file

package com.cognizant.spring\_learn;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

@SpringBootApplication

public class SpringLearnApplication {

     private static final Logger LOGGER = LoggerFactory.getLogger(SpringLearnApplication.class);

     public static void displayCountry() {

        ApplicationContext context = new ClassPathXmlApplicationContext("Country.xml");

        Country country1 = context.getBean("country1", Country.class);

        Country country2 = context.getBean("country2", Country.class);

        Country country3 = context.getBean("country3", Country.class);

        Country country4 = context.getBean("country4", Country.class);

        LOGGER.info("Country : {}", country1.toString());

        LOGGER.info("Country : {}", country2.toString());

        LOGGER.info("Country : {}", country3.toString());

        LOGGER.info("Country : {}", country4.toString());

    }

    public static void main(String[] args) {

        SpringApplication.run(SpringLearnApplication.class, args);

         LOGGER.info("Displaying all the Countries from Country.xml");

         displayCountry();

    }

}

Display the output by Running the Application

