**HANDSON 6:**

**Spring Core – Load list of countries from Spring Configuration XML** 

**Application.properties:**

spring.application.name=spring-learn

logging.level.com.cognizant.spring\_learn=DEBUG

**country.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

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

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

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

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

</bean>

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

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

<property name="name" value="United States" />

</bean>

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

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

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

</bean>

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

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

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

</bean>

<bean id="countryList" class="java.util.ArrayList">

<constructor-arg>

<list>

<ref bean="in" />

<ref bean="us" />

<ref bean="de" />

<ref bean="jp" />

</list>

</constructor-arg>

</bean>

</beans>

**Country.java:**

**package** com.cognizant.spring\_learn;

**public** **class** Country {

**private** String code;

**private** String name;

**public** Country() {

}

**public** Country(String code, String name) {

**this**.code = code;

**this**.name = name;

}

**public** String getCode() {

**return** code;

}

**public** **void** setCode(String code) {

**this**.code = code;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

@Override

**public** String toString() {

**return** "Country [code=" + code + ", name=" + name + "]";

}

}

**SpringLearnApplication.java:**

**package** com.cognizant.spring\_learn;

**import** java.util.List;

**import** org.slf4j.Logger;

**import** org.slf4j.LoggerFactory;

**import** org.springframework.boot.SpringApplication;

**import** org.springframework.boot.autoconfigure.SpringBootApplication;

**import** org.springframework.context.ApplicationContext;

**import** org.springframework.context.support.ClassPathXmlApplicationContext;

@SpringBootApplication

**public** **class** SpringLearnApplication {

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

**public** **static** **void** main(String[] args) {

***LOGGER***.info("Starting SpringLearnApplication...");

SpringApplication.*run*(SpringLearnApplication.**class**, args);

***LOGGER***.info("SpringLearnApplication started successfully.");

*displayCountries*();

}

**public** **static** **void** displayCountries() {

***LOGGER***.debug("START - displayCountries");

**try** {

ApplicationContext context = **new** ClassPathXmlApplicationContext("country.xml");

List<Country> countryList = context.getBean("countryList", List.**class**);

***LOGGER***.debug("Country list size: {}", countryList.size());

**for** (Country country : countryList) {

***LOGGER***.debug("Country: {}", country);

}

} **catch** (Exception e) {

***LOGGER***.error("Exception in displayCountries", e);

}

***LOGGER***.debug("END - displayCountries");

}

}

**OUTPUT:**

