# Spring Core – Load Country from Spring Configuration XML

## Step-by-step Explanation:

1. 1. Create a Spring XML configuration file named `country.xml`.
2. 2. Define a `<bean>` tag with `id='country'` and class `com.cognizant.springlearn.Country`.
3. 3. Set the properties `code` and `name` inside the bean using `<property>` tag.
4. 4. Create a class `Country` with variables `code` and `name`, getters, setters, and toString().
5. 5. Add debug logs in constructor and setter/getter methods to trace execution.
6. 6. In `SpringLearnApplication.java`, write a method `displayCountry()` to load and display the bean using `ClassPathXmlApplicationContext`.
7. 7. Call `displayCountry()` from inside the `main()` method.
8. 8. Run the project and observe logs.

## Code:

### country.xml:

<bean id="country" class="com.cognizant.springlearn.Country">  
 <property name="code" value="IN" />  
 <property name="name" value="India" />  
</bean>

### Country.java:

package com.cognizant.springlearn;  
  
public class Country {  
 private String code;  
 private String name;  
  
 public Country() {  
 System.out.println("Inside Country Constructor.");  
 }  
  
 public String getCode() {  
 System.out.println("setCode called");  
 return code;  
 }  
  
 public void setCode(String code) {  
 System.out.println("setCode called");  
 this.code = code;  
 }  
  
 public String getName() {  
 System.out.println("getName called");  
 return name;  
 }  
  
 public void setName(String name) {  
 System.out.println("setName called");  
 this.name = name;  
 }  
  
 @Override  
 public String toString() {  
 return "Country [code=" + code + ", name=" + name + "]";  
 }  
}

### SpringLearnApplication.java:

package com.cognizant.springlearn;  
  
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) {  
 SpringApplication.run(SpringLearnApplication.class, args);  
 LOGGER.info("Inside main method");  
 displayCountry();  
 }  
  
 public static void displayCountry() {  
 ApplicationContext context = new ClassPathXmlApplicationContext("country.xml");  
 Country country = (Country) context.getBean("country", Country.class);  
 LOGGER.debug("Country : {}", country.toString());  
 System.out.println("Country: " + country);  
 }  
}

## Output Screenshot:

