Spring Core – Load Country from Spring Configuration XML

Exercise4:

<?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.example.week4.Country">

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

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

</bean>

</beans>

package com.example.week4;

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(): {}", code);

return code;

}

public void setCode(String code) {

***LOGGER***.debug("Inside setCode(): {}", code);

this.code = code;

}

public String getName() {

***LOGGER***.debug("Inside getName(): {}", name);

return name;

}

public void setName(String name) {

***LOGGER***.debug("Inside setName(): {}", name);

this.name = name;

}

*@Override*

public String toString() {

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

}

}

package com.example.week4;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.slf4j.LoggerFactory;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import ch.qos.logback.classic.Logger;

@SpringBootApplication

public class Week4Application {

private static final Logger ogger = (Logger) LoggerFactory.getLogger(Week4Application.class);

public static void main(String[] args) {

ogger.info("Starting SpringLearnApplication...");

displayCountry();

ogger.info("SpringLearnApplication started successfully!");

}

public static void displayCountry() {

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

// Retrieve the Country bean by ID

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

// Log the country details

ogger.debug("Country : {}", country.toString());

}

}

A screen shot of a computer program

AI-generated content may be incorrect.

Output:

A computer screen shot of a black screen

AI-generated content may be incorrect.