**REST - Country Web Service**

**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="country" class="com.cognizant.springlearn.Country">

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

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

</bean>

</beans>

**Country POJO with Getters and Setters**

package com.cognizant.springlearn;

import com.fasterxml.jackson.annotation.JsonIgnoreProperties;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

@JsonIgnoreProperties(ignoreUnknown = true)

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("Getting code");

return code;

}

public void setCode(String code) {

LOGGER.debug("Setting code");

this.code = code;

}

public String getName() {

LOGGER.debug("Getting name");

return name;

}

public void setName(String name) {

LOGGER.debug("Setting name");

this.name = name;

}

@Override

public String toString() {

return "Country{" + "code='" + code + '\'' + ", name='" + name + '\'' + '}';

}

}

**CountryController.java**

package com.cognizant.springlearn.controller;

import com.cognizant.springlearn.Country;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RestController;

@RestController

public class CountryController {

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

@RequestMapping("/country")

public Country getCountryIndia() {

LOGGER.info("START");

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

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

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

LOGGER.info("END");

return country;

}

}

**Sample Request & Response**

{

"code": "IN",

"name": "India"

}

application.properties

server.port=8083

logging.level.org.springframework=info

logging.level.com.cognizant=debug

logging.pattern.console=%d{yyMMdd}|%d{HH:mm:ss.SSS}|%-20.20thread|%5p|%-25.25logger{25}|%25M|%m%n

**Console Logs**

240712|19:01:34.315|http-nio-8083-exec-2| INFO|CountryController |getCountryIndia|START

240712|19:01:34.316|http-nio-8083-exec-2|DEBUG|Country | <init>|Inside Country Constructor.

240712|19:01:34.316|http-nio-8083-exec-2|DEBUG|Country | setCode|Setting code

240712|19:01:34.316|http-nio-8083-exec-2|DEBUG|Country | setName|Setting name

240712|19:01:34.316|http-nio-8083-exec-2|DEBUG|CountryController |getCountryIndia|Country: Country{code='IN', name='India'}

240712|19:01:34.316|http-nio-8083-exec-2| INFO|CountryController |getCountryIndia|END