**REST - Get country based on country code**

**CountryService.java**

package com.cognizant.spring\_learn.service;

import java.util.List;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.springframework.stereotype.Service;

import com.cognizant.spring\_learn.Country;

@Service

public class CountryService {

    public Country getCountry(String code) {

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

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

        return countries.stream()

                .filter(c -> c.getCode().equalsIgnoreCase(code))

                .findFirst()

                .orElse(null);

    }

}

**CountryController.java**

package com.cognizant.spring\_learn.controller;

import org.springframework.beans.factory.annotation.Autowired;

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

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

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

import com.cognizant.spring\_learn.Country;

import com.cognizant.spring\_learn.service.CountryService;

@RestController

public class CountryController {

    @Autowired

    private CountryService countryService;

    @GetMapping("/countries/{code}")

    public Country getCountry(@PathVariable String code) {

        return countryService.getCountry(code);

    }

}

**Country.xml**

<beans xmlns="http://www.springframework.org/schema/beans"

       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

       xmlns:util="http://www.springframework.org/schema/util"

       xsi:schemaLocation="

       http://www.springframework.org/schema/beans

       http://www.springframework.org/schema/beans/spring-beans.xsd

       http://www.springframework.org/schema/util

       http://www.springframework.org/schema/util/spring-util.xsd">

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

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

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

    </bean>

    <util:list id="countryList">

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

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

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

        </bean>

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

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

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

        </bean>

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

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

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

        </bean>

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

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

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

        </bean>

    </util:list>

</beans>

