**REST - Get Country by Country Code**

**Steps to Implement:**

1. Create package: com.cognizant.springlearn.controller
2. Create class: CountryController.java
3. Create package: com.cognizant.springlearn.service
4. Create class: CountryService.java
5. Define country.xml file with list of countries
6. Expose @GetMapping("/countries/{code}") endpoint
7. Access this in Postman/Browser:  
   http://localhost:8083/countries/in

**CountryController.java**

package com.cognizant.springlearn.controller;

import com.cognizant.springlearn.Country;

import com.cognizant.springlearn.service.CountryService;

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

import org.springframework.web.bind.annotation.\*;

@RestController

public class CountryController {

@Autowired

private CountryService countryService;

@GetMapping("/countries/{code}")

public Country getCountry(@PathVariable String code) {

return countryService.getCountry(code);

}

}

**CountryService.java**

package com.cognizant.springlearn.service;

import com.cognizant.springlearn.Country;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.springframework.stereotype.Service;

import java.util.List;

@Service

public class CountryService {

public Country getCountry(String code) {

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

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

return countryList.stream()

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

.findFirst()

.orElse(null);

}

}

**Output Screenshot:**

