**5. REST - Get country based on country code  
  
Country.java**package com.cognizant.springlearn;  
  
public class Country {  
 private String code;  
 private String name;  
  
   
 public String getCode() {  
 return code;  
 }  
  
 public void setCode(String code) {  
 this.code = code;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }

**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(country -> country.getCode().equalsIgnoreCase(code))  
 .findFirst()  
 .orElse(null);  
 }  
}

**MainApplication.java**package com.cognizant.springlearn;  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
  
@SpringBootApplication  
public class MainApplication {  
  
 public static void main(String[] args) {  
 SpringApplication.run(HelloworldApplication.class, args);  
 }  
}

**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  
 http://www.springframework.org/schema/beans/spring-beans.xsd">  
  
 <bean id="country1" class="com.cognizant.springlearn.Country">  
 <property name="code" value="IN"/>  
 <property name="name" value="India"/>  
 </bean>  
  
 <bean id="country2" class="com.cognizant.springlearn.Country">  
 <property name="code" value="US"/>  
 <property name="name" value="United States"/>  
 </bean>  
  
 <bean id="countryList" class="java.util.ArrayList">  
 <constructor-arg>  
 <list>  
 <ref bean="country1"/>  
 <ref bean="country2"/>  
 </list>  
 </constructor-arg>  
 </bean>  
</beans>  
  
  
