Week 4 - Hands-on 5: REST - Country Web Service

# Objective

Create a REST service that returns India country details using a Spring XML configuration.

# REST Endpoint

URL: http://localhost:8080/country/xx

Method Type: GET

Controller: com.cognizant.spring\_learn.controller.CountryController

Method: public Country getCountryIndia()

# File: CountryController.java

package com.cognizant.spring\_learn.controller;  
  
import com.cognizant.spring\_learn.Country;  
import com.cognizant.spring\_learn.service.CountryService;  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.web.bind.annotation.\*;  
  
import org.slf4j.Logger;  
import org.slf4j.LoggerFactory;  
  
@RestController  
public class CountryController {  
  
 private static final Logger *LOGGER* = LoggerFactory.*getLogger*(CountryController.class);  
  
 @Autowired  
 private CountryService countryService;  
  
 @GetMapping("/countries/{code}")  
 public Country getCountry(@PathVariable String code) {  
 *LOGGER*.info("START - getCountry()");  
 Country country = countryService.getCountry(code);  
 *LOGGER*.info("END - getCountry()");  
 return country;  
 }  
}

# File: country.xml

<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="country" class="com.cognizant.spring\_learn.Country">  
 <property name="code" value="IN"/>  
 <property name="name" value="India"/>  
 </bean>  
  
 <bean id="countryList" class="java.util.ArrayList">  
 <constructor-arg>  
 <list>  
 <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>  
 </list>  
 </constructor-arg>  
 </bean>  
</beans>

# Browser Output Screenshot





