**REST - Country Web Service**   
  
Write a REST service that returns India country details in the earlier created spring learn application.  
  
**URL**: /country  
**Controller**: com.cognizant.spring-learn.controller.CountryController  
**Method Annotation**: @RequestMapping  
**Method Name**: getCountryIndia()  
**Method Implementation**: Load India bean from spring xml configuration and return  
**Sample Request**: http://localhost:8083/country  
**Sample Response**:

{

  "code": "IN",

  "name": "India"

}

SME to explain the following aspects:

* What happens in the controller method?
* How the bean is converted into JSON reponse?
* In network tab of developer tools show the HTTP header details received
* In postman click on "Headers" tab to view the HTTP header details received

**Hands On Solution**

Steps:

1. Country class created in ***com.cognizant.spring\_learn*** package

**package** com.cognizant.spring\_learn;

**public** **class** Country {

**private** String code;

**private** String name;

**public** Country() {

}

**public** Country(String code, String name) {

**this**.code = code;

**this**.name = 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;

}

}

1. CountryController class created in ***com.cognizant.spring\_learn.controller***

**package** com.cognizant.spring\_learn.controller;

**import** com.cognizant.spring\_learn.Country;

**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 {

@RequestMapping("/country")

**public** Country getCountryIndia() {

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

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

**return** country;

}

}

1. ***country.xml*** created in *src/main/resources*

<?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.spring\_learn.Country">

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

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

</bean>

</beans>

1. server.port=8084 added in ***application.properties***
2. Run as Java application.
3. Output as follows:

A screenshot of a computer

AI-generated content may be incorrect.

1. Browser link: <http://localhost:8084/country>

A screenshot of a computer

AI-generated content may be incorrect.

1. In Postman >> Get >> <http://localhost:8084/country>

A screenshot of a computer

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