**REST - Country Web Service**

**Question:**

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 response?
* 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

**Solution:**

**Country.java**

**package** **com.example.model**;

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

**private** **String** code;

**private** **String** name;

*// Getters and Setters*

**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;

    }

}

**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*="in" *class*="com.example.model.Country">

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

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

    </bean>

</beans>

**ControllerCountry.java**

**package** **com.example.controller**;

**import** **org.springframework.context.ApplicationContext**;

**import** **org.springframework.context.support.ClassPathXmlApplicationContext**;

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

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

**import** **com.example.model.Country**;

@**RestController**

**public** **class** CountryController {

    @**GetMapping**("/country")

**public** **Country** getCountryIndia() {

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

**return** context.getBean("in", Country.class);

    }

}

**Output:**

