WEEK 4

Mandatory Hands-On

**Spring REST using Spring Boot**

**Country Web Service**

**Creating CountryController Class:**

* CountryController class is created under *come.cognizant.springlearn.controller* package.

**CountryController Class:**

package com.cognizant.springlearn.controller;

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;

import com.cognizant.springlearn.model.Country;

*@RestController*

public class CountryController {

*@RequestMapping*("/country")

public Country getCountryIndia() {

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

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

return country;

}

}

**Spring XML Configuration for countyr.xml file:**

* country.xml file is created under the path src/ main/ resources.

**Country.xml:**

<?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:context="http://www.springframework.org/schema/context"

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.cognizant.springlearn.model.Country">

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

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

</bean>

</beans>

**Creating a Model Country class:**

* County class is created under the *com.cognizant.springlearn.model* package.

**Country class:**

package com.cognizant.springlearn.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;

}

}

**SME:**

* In chrome <http://localhost:8083/country> is opened.
* In Network tab Hello request is tracked as the page is refreshed every time.



