

Cognizant Digital Nurture 4.0 – Java FSE

Week 4 – Hands-On Report

Name: Shaik Sulthan - 6431169

Track: Deep Skilling – Java Full Stack Engineer

Batch: 2025

Country Web Services:

RestCountrywebservicesApplication:

```
package com.cognizant.spring_learn;

import org.junit.jupiter.api.Test;
import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest
class SpringLearnApplicationTests {

    @Test
    void contextLoads() {
    }

}
```

CountryController:

```
package com.cognizant.springlearn.controller;

import com.cognizant.springlearn.model.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() {
        // Load the Spring XML configuration
        ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");
        // Get the India bean
        Country country = (Country) context.getBean("india");
        return country;
    }

}
```

Country.java:

```
package com.cognizant.springlearn.model;

public class Country {
    private String code;
```

```

private String name;

// Default constructor
public Country() {
}

// Parameterized constructor
public Country(String code, String name) {
    this.code = code;
    this.name = 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;
}
}

```

OUTPUT:

The screenshot shows the Postman interface with a GET request to `http://localhost:8083/country` successfully executed. The response is a JSON object with the following structure:

```

{
  "code": "IN",
  "name": "India"
}

```

The status is 200 OK, and the response time is 1.08 s. The response size is 192 B.