Hello World RESTful Web Service :

```java
package com.cognizant.spring_learn.controller;

import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.RestController;

@RestController
public class HelloController {

    private static final Logger LOGGER =
LoggerFactory.getLogger(HelloController.class);

    @GetMapping("/hello")
    public String sayHello() {
        LOGGER.info("START - sayHello()");
        String response = "Hello World!!";
        LOGGER.info("END - sayHello()");
        return response;
    }
}
```

Output:

localhost:8081/hello

Hello World!!

REST - Country Web Service :

```java
package com.cognizant.spring_learn.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; }
}
```

```java
package com.cognizant.spring_learn.controller;

import com.cognizant.spring_learn.model.country;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
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 {

    private static final Logger LOGGER =
LoggerFactory.getLogger(CountryController.class);

    @RequestMapping("/country")
    public country getCountryIndia() {
        LOGGER.info("Start getCountryIndia");

        ApplicationContext context = new
ClassPathXmlApplicationContext("country.xml");
        country country = context.getBean("in", country.class);

        LOGGER.info("End getCountryIndia");
        return country;
    }
}
```
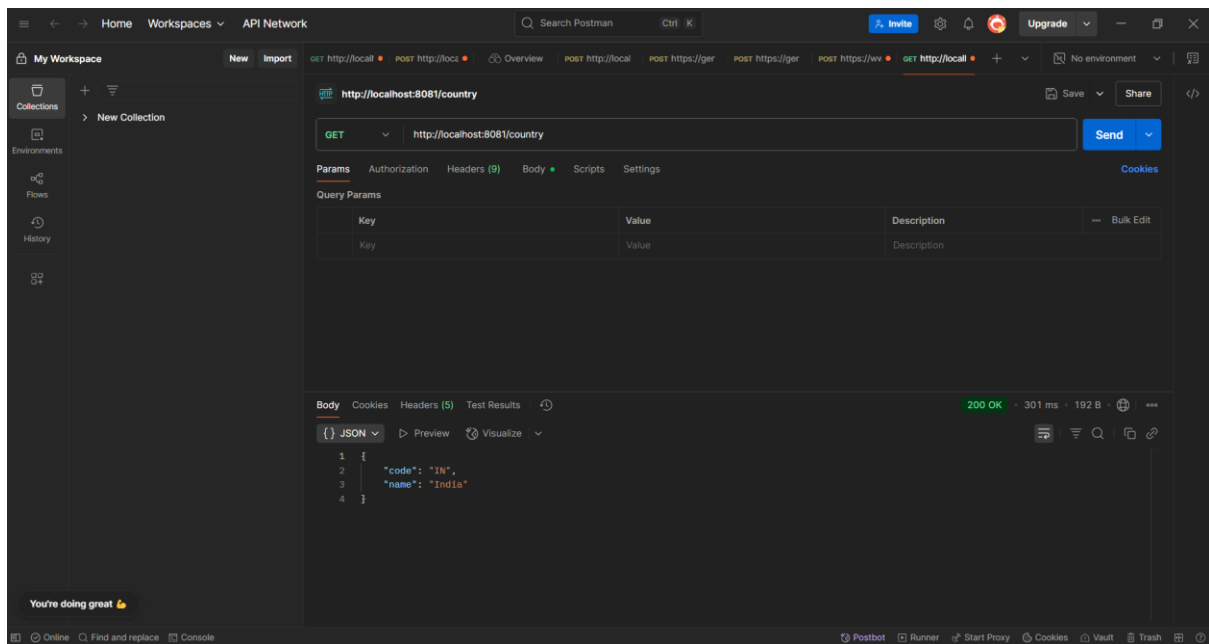
```xml
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xsi:schemaLocation="http://www.springframework.org/schema/beans
           https://www.springframework.org/schema/beans/spring-beans.xsd">

    <bean id="in" class="com.cognizant.spring_learn.model.country">
        <property name="code" value="IN"/>
        <property name="name" value="India"/>
    </bean>

</beans>
```

Output:

REST - Get country based on country code :

Country.xml

```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
          https://www.springframework.org/schema/beans/spring-beans.xsd">

    <bean id="countryList" class="java.util.ArrayList">
        <constructor-arg>
            <list>
                <bean class="com.cognizant.spring_learn.model.country">
                    <property name="code" value="IN" />
                    <property name="name" value="India" />
                </bean>
                <bean class="com.cognizant.spring_learn.model.country">
                    <property name="code" value="US" />
                    <property name="name" value="United States of America"
/>
                </bean>
            </list>
        </constructor-arg>
    </bean>

</beans>
```

```java
package com.cognizant.spring_learn.controller;

import com.cognizant.spring_learn.model.country;
import com.cognizant.spring_learn.service.CountryService;
import org.slf4j.Logger;
```

```java
import org.slf4j.LoggerFactory;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.*;

@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;
    }
}
```

```java
package com.cognizant.spring_learn.service;

import com.cognizant.spring_learn.model.country;
import org.springframework.context.ApplicationContext;
import org.springframework.context.support.ClassPathXmlApplicationContext;
import org.springframework.stereotype.Service;

import java.util.List;

@Service
public class CountryService {

    public country getCountry(String code) {
        ApplicationContext context = new
ClassPathXmlApplicationContext("country.xml");

        List<country> countries = context.getBean("countryList",
List.class);

        return countries.stream()
                .filter(c -> c.getCode().equalsIgnoreCase(code))
                .findFirst()
                .orElse(null); // You can throw custom NotFoundException
instead
    }
}
```

Output:

localhost:8081/countries/in

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

localhost:8081/countries/us

```json
{
    "code": "US",
    "name": "United States of America"
}
```