Spring REST using Spring Boot 3

**REST - Get country based on country code**

**CountryController.java**

package com.example.demo.Controller;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

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

import com.example.demo.Entity.Country;

@RestController

public class CountryController {

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

@RequestMapping(value = "/country", method = RequestMethod.*GET*)

public Country getCountryIndia() {

*LOGGER*.info("Start - getCountryIndia()");

Country country = new Country("IN", "India");

*LOGGER*.info("End - getCountryIndia()");

return country;

}

}

**CountryService.java**

package com.example.demo.Service;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

import org.springframework.stereotype.Service;

import com.example.demo.Entity.Country;

import java.util.List;

@Service

public class CountryService {

public Country getCountry(String code) {

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

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

return countryList.stream()

.filter(c -> c.getCode().equalsIgnoreCase(code))

.findFirst()

.orElse(null);

}

}

**Country.java**

package com.example.demo.Entity;

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;

}

}

**ApplicationProperties**

spring.application.name=spring-learn

server.port=8084

**RESULT:**

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