**CREATE A SPRING WEB PROJECT USING MAVEN**

**SpringLearnApplication.java**:

package com.cognizant.spring\_learn;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class SpringLearnApplication {

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

public static void main(String[] args) {

LOGGER.info("STARTING THE APPLICATION");

SpringApplication.run(SpringLearnApplication.class, args);

LOGGER.info("APPLICATION STARTED SUCCESSFULLY");

}

}

**5. REST Endpoint Implementation:**

**HelloController.java**:

package com.cognizant.spring\_learn;

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

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

@RestController

public class HelloController {

@GetMapping("/hello")

public String hello() {

return "Hello from Cognizant SpringLearn App!";

}

}

**6. Configuration:**

**application.properties**:

server.port=9292

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**SPRING CORE – LOAD COUNTRY FROM SPRING CONFIGURATION XML**

**Country.java**

package com.cognizant.springlearn;

public class Country {

private String code;

private String name;

public Country() {

System.out.println("Inside Country Constructor.");

}

public String getCode() {

System.out.println("Inside getCode()");

return code;

}

public void setCode(String code) {

System.out.println("Inside setCode()");

this.code = code;

}

public String getName() {

System.out.println("Inside getName()");

return name;

}

public void setName(String name) {

System.out.println("Inside setName()");

this.name = name;

}

@Override

public String toString() {

return "Country [code=" + code + ", name=" + name + "]";

}

}

**Create Spring Configuration File: country.xml**

**src/main/resources/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="country" class="com.cognizant.springlearn.Country">

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

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

</bean>

</beans>

**Create Main Class: Main.java**

**src/main/java/com/cognizant/springlearn/Main.java**

package com.cognizant.springlearn;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class Main {

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

public static void main(String[] args) {

LOGGER.info("STARTING THE APPLICATION");

displayCountry();

LOGGER.info("APPLICATION ENDED");

}

public static void displayCountry() {

System.out.println("Inside displayCountry()");

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

Country country = context.getBean("country", Country.class);

System.out.println("Country from XML: " + country);

}

}

**Output**

[main] INFO com.cognizant.springlearn.Main - STARTING THE APPLICATION

Inside displayCountry()

Country from XML: Country [code=IN, name=India]

[main] INFO com.cognizant.springlearn.Main - APPLICATION ENDED

