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

**SpringLearnApplication.java:**

package com.cognizant.spring\_learn.spring\_learn;  
import org.springframework.boot.SpringApplication;  
import org.springframework.boot.autoconfigure.SpringBootApplication;  
import org.springframework.context.annotation.ImportResource;  
  
@SpringBootApplication  
@ImportResource("classpath:country.xml")  
public class SpringLearnApplication {  
  
 public static void main(String[] args) {  
 SpringApplication.*run*(SpringLearnApplication.class, args);  
 }  
}

**Country.java:**

package com.cognizant.spring\_learn.spring\_learn.model;  
  
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.toUpperCase();  
 }  
  
 public void setCode(String code) {  
 this.code = code;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
}

**CountryService.java:**

package com.cognizant.spring\_learn.spring\_learn.service;  
import com.cognizant.spring\_learn.spring\_learn.model.Country;  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.context.ApplicationContext;  
import org.springframework.stereotype.Service;  
  
import java.util.List;  
  
@Service  
public class CountryService {  
  
 @Autowired  
 private ApplicationContext context;  
  
 public Country getCountry(String code) {  
 List<Country> countries = (List<Country>) context.getBean("countryList");  
  
 return countries.stream()  
 .filter(c -> c.getCode().equalsIgnoreCase(code))  
 .findFirst()  
 .orElseThrow(() -> new RuntimeException("Country not found with code: " + code));  
 }  
}

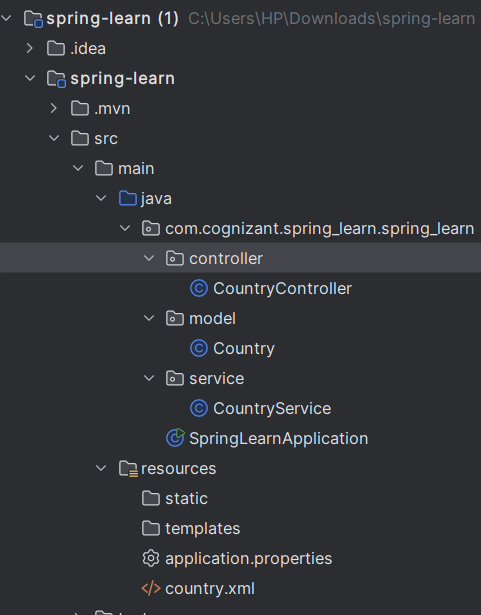
**CountryController.java:**

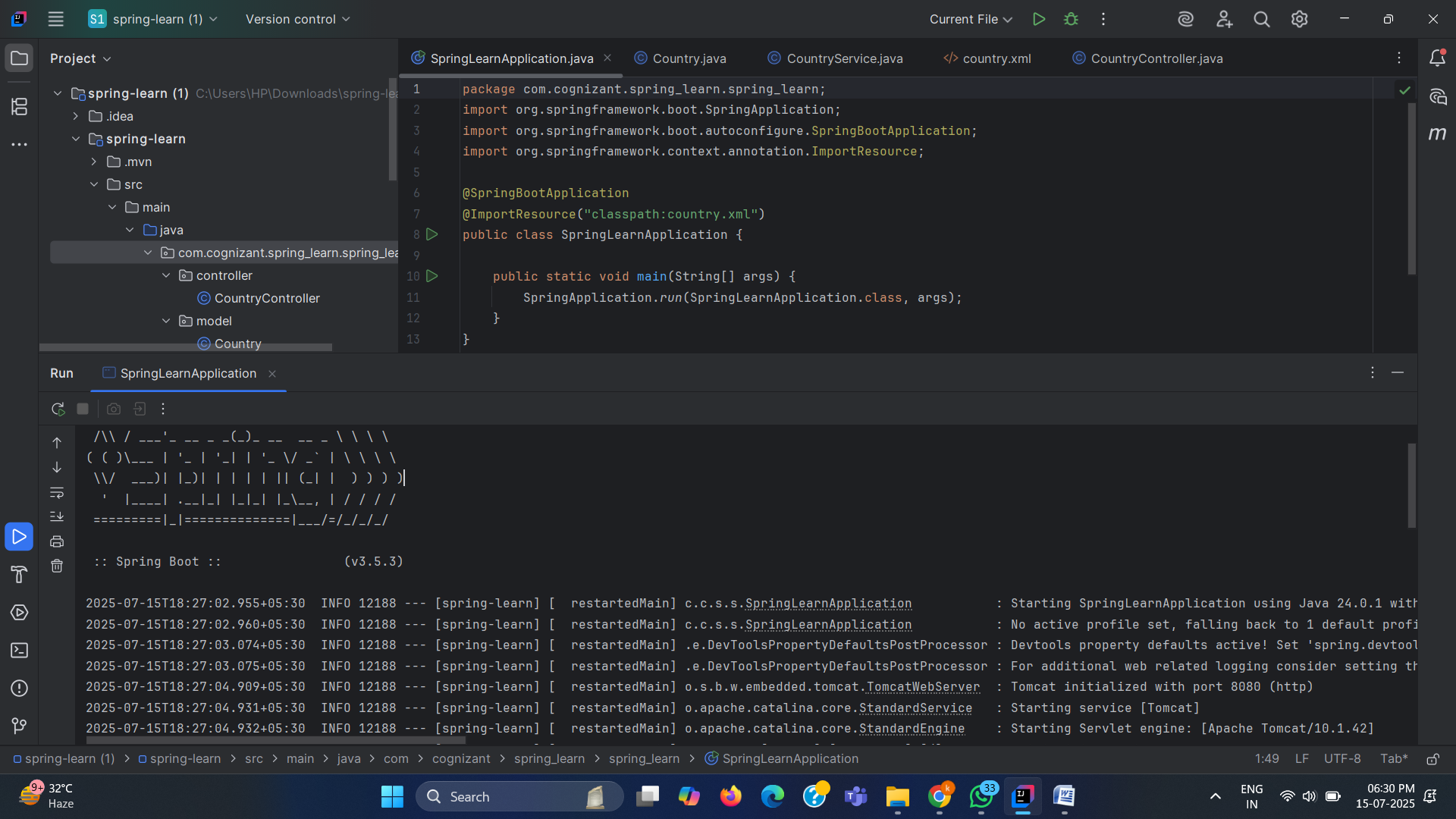
package com.cognizant.spring\_learn.spring\_learn.controller;  
  
import com.cognizant.spring\_learn.spring\_learn.service.CountryService;  
import com.cognizant.spring\_learn.spring\_learn.model.Country;  
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.http.ResponseEntity;  
import org.springframework.web.bind.annotation.\*;  
  
@RestController  
@RequestMapping("/countries")  
public class CountryController {  
  
 @Autowired  
 private CountryService countryService;  
  
 @GetMapping("/{code}")  
 public ResponseEntity<Country> getCountry(@PathVariable("code") String code) {  
 Country country = countryService.getCountry(code);  
 return ResponseEntity.*ok*(country);  
 }

}

**Country.xml:**

<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="countryList" class="java.util.ArrayList">  
 <constructor-arg>  
 <list>  
 <bean class="com.cognizant.spring-learn.com.cognizant.spring\_learn.spring\_learn.model.Country">  
 <property name="code" value="IN"/>  
 <property name="name" value="India"/>  
 </bean>  
 <bean class="com.cognizant.spring-learn.com.cognizant.spring\_learn.spring\_learn.model.Country">  
 <property name="code" value="US"/>  
 <property name="name" value="United States"/>  
 </bean>  
 *<!-- Add more countries if needed -->* </list>  
 </constructor-arg>  
 </bean>  
  
</beans>

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