### **SME for REST - Country Web Service:**

### 1. ****What happens in the controller method?****

In CountryController.java, the method getCountryIndia() does the following:

@RequestMapping("/country")public Country getCountryIndia() {

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

Country country = (Country) context.getBean("in");

return country;

}

🟢 Step-by-step:

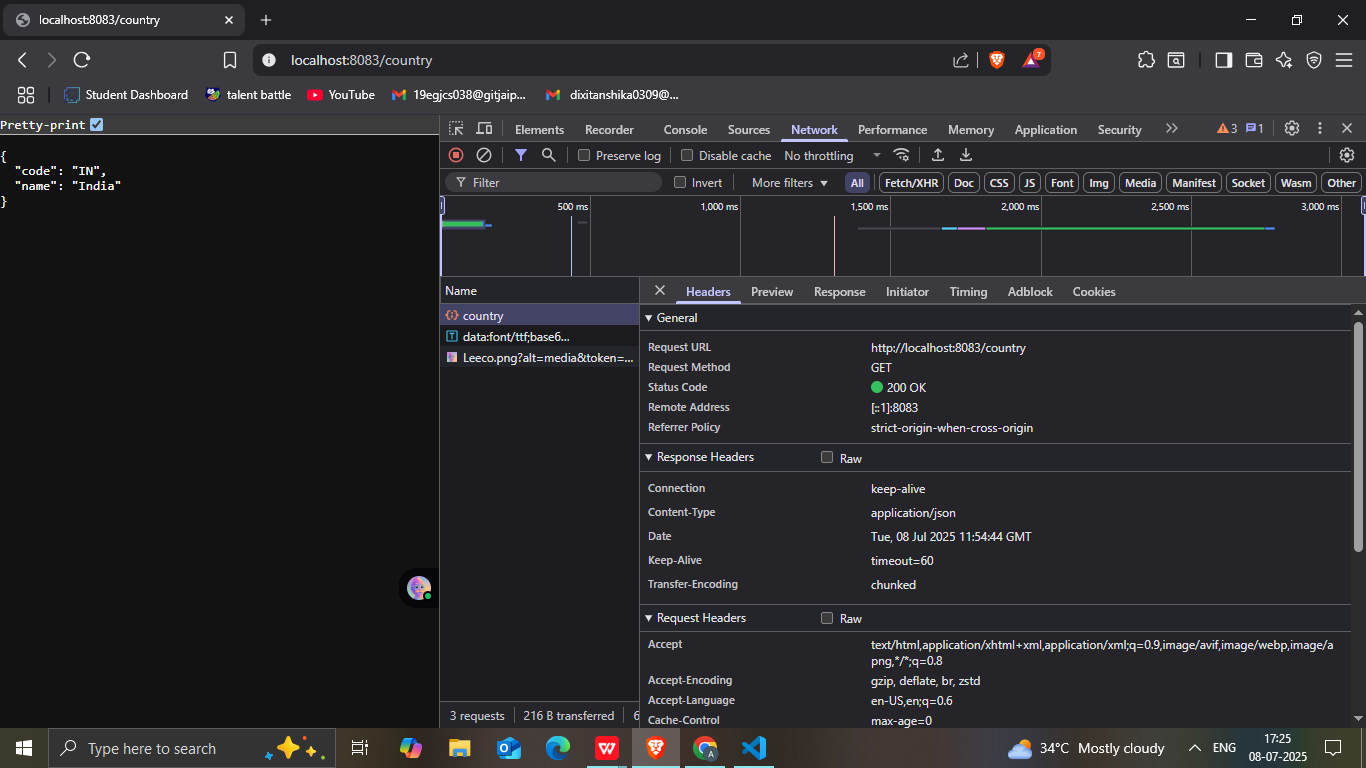
* When someone visits /country, Spring calls this method.
* It loads the XML config file country.xml using ClassPathXmlApplicationContext.
* It fetches the bean named in which is of type Country.
* It returns the bean — Spring automatically converts this object to JSON (thanks to @RestController).

### 2. ****How the bean is converted into JSON response?****

* You are using @RestController — it tells Spring Boot to return data, **not HTML**.
* Spring Boot uses **Jackson** (a built-in JSON converter).
* When the method returns the Country object, Spring automatically:

1. Detects it's a Java POJO
2. Converts it to JSON using Jackson
3. Sends it in the HTTP response with content type application/json

### 3. ****In Network tab of Developer Tools (Browser) show HTTP Header details:****

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