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

CODE:

@RequestMapping("/country")

public ResponseEntity<?> getCountryIndia() {

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

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

return ResponseEntity.ok().body(country);

}

1. **@RequestMapping("/country")**
   1. Maps the URL /country to this method.
   2. Accepts HTTP GET by default.
2. **Spring Context Initialization:**
   1. ClassPathXmlApplicationContext("country.xml") loads the Spring XML configuration from src/main/resources/country.xml.
3. **Bean Retrieval:**
   1. Retrieves the country bean defined in the XML file.
   2. Casts it to Country class.
4. **Return Response:**
   1. Wraps the Country object inside a ResponseEntity.
   2. Returns HTTP status 200 OK with the country data in the body.

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

1. The Country object is returned as the body of the response.
2. Because of the @RestController annotation Spring automatically uses **Jackson** to **serialize the Java object into JSON**.
3. Jackson is included by default in spring-boot-starter-web.