### **REST - Country Web Service**

**What Happens in the Controller?** The @RestController annotation indicates that the class will handle HTTP requests and directly return data, not views. Inside the controller, the method getCountryIndia() is mapped to the URL /country using @RequestMapping.  
 When this URL is accessed, Spring invokes the method, which uses ApplicationContext to load beans from the country.xml configuration file.  
 The method retrieves the bean with ID "in", which contains the details of the country India (code and name). This bean is then returned from the method as a Java object.

**How Is Bean Converted into JSON?** Since the method returns a Country object, Spring Boot uses its built-in support for object-to-JSON conversion. This is handled automatically by the **Jackson** library, which comes included through spring-boot-starter-web.  
 Because the controller is annotated with @RestController, the returned object is not treated as a view name, but as response data.  
 Jackson scans the Country class, reads its properties (like code and name), and generates a JSON representation, which is sent back in the HTTP response.