SME to explain the following aspects:

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

@RequestMapping("/country")

* This spring annotation helps to map “/country” to this method
* When the user send GET request to <http://localhost:8083/country> then this method is executed

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

* It is Interface is Spring used to manage beans
* *classPathXmlApplicationContext* – it loads the spring configuration from XML file “country.xml”

context.getBean(“country”)

* it retrives the bean with ID “country”
* this bean contains predefine code and name

return country

* Then the country object is returned as HTTP response
* @Restcontroller – automatically convert it into JSON
* **How the bean is converted into JSON reponse?**

The spring boot detects the return type is not string or view , but it is POJO (Plain old java object);

@Restcontroller , then the spring treats the return value as the response body

Country{ code="IN", name="India" } into {

"code": "IN",

"name": "India"

}

* **In network tab of developer tools show the HTTP header details received**

A screenshot of a computer

AI-generated content may be incorrect.

* **In postman click on "Headers" tab to view the HTTP header details received**

A screenshot of a computer

AI-generated content may be incorrect.

A white screen with black text

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