# SME to explain the following aspects:

Q1.What happens in the controller method?

=> When "`/country`" is hit, Spring routes the request to `getCountryIndia()`.

- This method:

  - Loads the XML bean configuration.

  - Fetches the bean with ID `in`.

  - Returns the `Country` object.

- Spring Boot automatically converts the Java object to JSON (thanks to Jackson library).

**Q2. How is the bean converted to JSON?**

- Spring Boot uses **Jackson (jackson-databind)** internally.

- Any object returned by a controller method is automatically serialized into JSON.

- This works because:

    - The controller is annotated with `@RestController`

    - The method returns a Java object (`Country`), which is serialized into a JSON response.

**Q3. Network tab in Chrome:**

1. Open Chrome.

2. Press `F12` → Network tab.

3. Access `http://localhost:8083/country`.

4. Click on the `/country` request.

5. Go to **Headers** tab.

- Check `Response Headers`: e.g., `Content-Type: application/json`, `Date`, etc.

- Check `Request Headers`: e.g., `User-Agent`, `Accept`, etc.

Q4. **Headers in Postman:**

1. Open Postman and send a **GET** request to `/country`.

2. Go to the **Headers** tab (under response).

- Shows same as above.

- Key header: `Content-Type: application/json`