**Day2: Lab: Synchronous Communication Pattern**

**Use Case:**

**Customer Service** calls **Order Service** to get orders for a customer.

**Tech Stack**

* Java 17+
* Spring Boot 3.x
* Spring Web
* IntelliJ IDEA
* Maven
* Postman or browser for testing

**Microservices Involved**

1. **Customer Service** (Caller)
2. **Order Service** (Callee)

**3. Run the Services**

1. Run **Order Service(Callee)**
2. Run **Customer Service(Caller)**

**4. Test in Postman or Browser**

Request:

GET http://localhost:8080/customers/1/orders

Response:

[

{ "orderId": 101, "customerId": 1, "product": "Laptop" },

{ "orderId": 102, "customerId": 1, "product": "Phone" }

]

**Summary**

* Customer Service synchronously **calls Order Service using RESTTemplate**.
* This demonstrates **synchronous inter-service communication** in a **microservice architecture** using **Spring Boot**.