**Day1: Lab: Aggregate Pattern**

**Product and Review Microservices with Aggregator**

You’ll build:

1. **Product Service** – provides product details.
2. **Review Service** – provides reviews for a product.
3. **Aggregator Service** – fetches both product info and its reviews and returns a combined response.

**Tools Required**

* IntelliJ IDEA
* JDK 17+
* Maven
* Spring Boot Initializr
* Postman or browser

**Services Overview**

| **Service** | **Port** | **Responsibility** |
| --- | --- | --- |
| Product Service | 8084 | Serve product data |
| Review Service | 8085 | Serve product reviews |
| Aggregator Service | 8086 | Combine product + reviews |

## Test Aggregator

### Sample URL:

GET http://localhost:8086/aggregate/product/1

### Example Response:

{

"product": {

"id": 1,

"name": "iPhone 15",

"description": "Latest Apple phone"

},

"reviews": [

{

"id": 201,

"productId": 1,

"comment": "Amazing phone!"

},

{

"id": 202,

"productId": 1,

"comment": "Great battery life."

}

]

}