**DN 4.0 JAVA FSE SOLUTIONS – WEEK 4**

**SKILL: Spring REST using Spring Boot 3**

**Creating Microservices for account and loan  
Code:**

**Account Microservice**

**src/main/java/com/cognizant/account/controller/AccountController.java**

package com.cognizant.account.controller;

import org.springframework.web.bind.annotation.\*;

import java.util.Map;

@RestController

@RequestMapping("/accounts")

public class AccountController {

@GetMapping("/{number}")

public Map<String, Object> getAccount(@PathVariable String number) {

return Map.of(

"number", number,

"type", "savings",

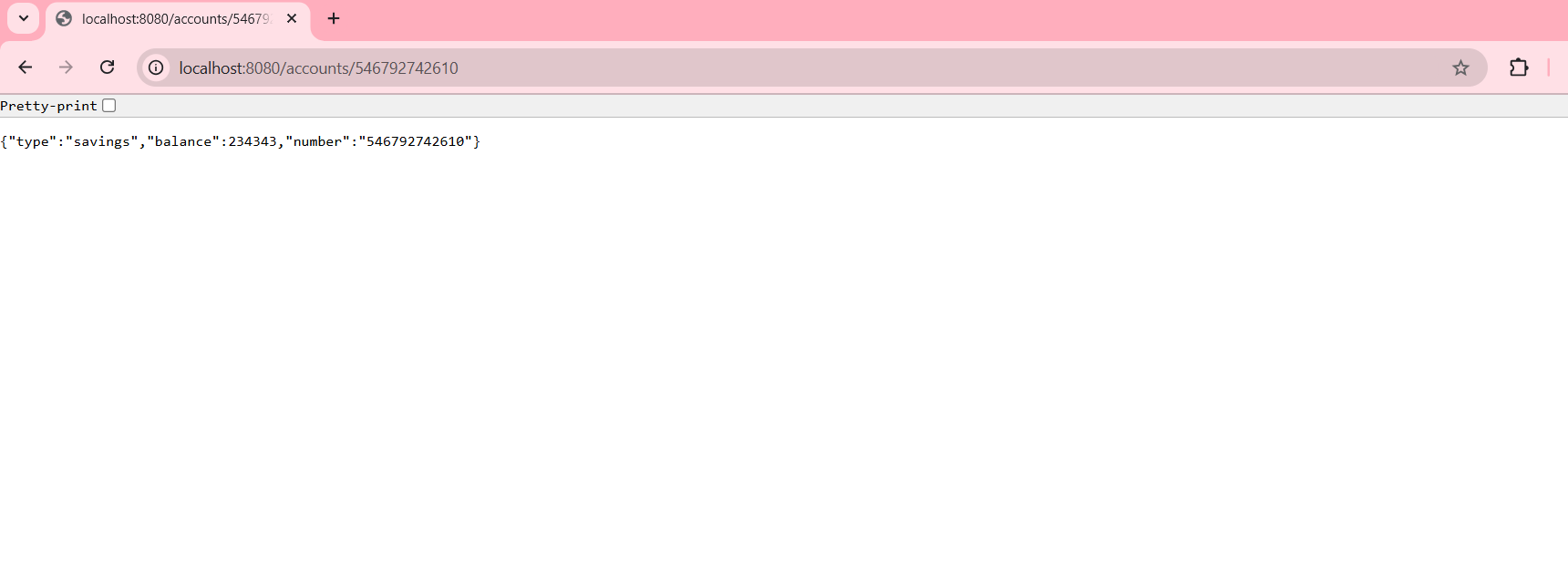
"balance", 234343

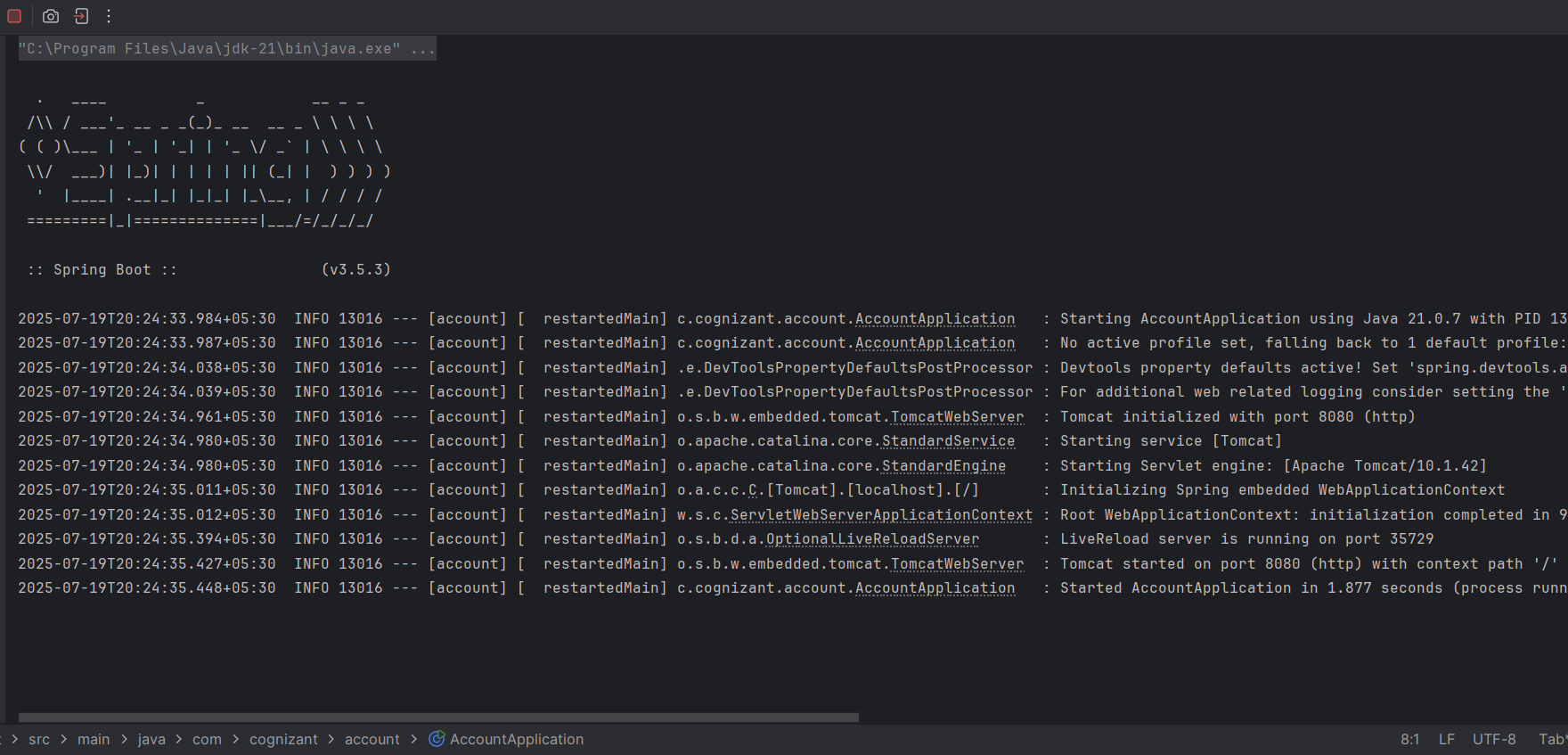
);

}}

**Pom.xml**<?xml version="1.0" encoding="UTF-8"?>  
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
 xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">  
 <modelVersion>4.0.0</modelVersion>  
 <parent>  
 <groupId>org.springframework.boot</groupId>  
 <artifactId>spring-boot-starter-parent</artifactId>  
 <version>3.5.3</version>  
 <relativePath/> <!-- lookup parent from repository -->  
 </parent>  
 <groupId>com.cognizant</groupId>  
 <artifactId>account</artifactId>  
 <version>0.0.1-SNAPSHOT</version>  
 <name>account</name>  
 <description>Creating Microservices for account </description>  
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 <dependency>  
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 <dependency>  
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 <plugin>  
 <groupId>org.springframework.boot</groupId>  
 <artifactId>spring-boot-maven-plugin</artifactId>  
 </plugin>  
 </plugins>  
 </build>  
  
</project>

Output:





**Loan Microservice**

**Code  
src/main/resources/application.properties**

server.port=8081

**src/main/java/com/cognizant/loan/controller/LoanController.java**

package com.cognizant.loan.controller;

import org.springframework.web.bind.annotation.\*;

import java.util.Map;

@RestController

@RequestMapping("/loans")

public class LoanController {

@GetMapping("/{number}")

public Map<String, Object> getLoan(@PathVariable String number) {

return Map.of(

"number", number,

"type", "car",

"loan", 400000,

"emi", 3258,

"tenure", 18

);

}

}

**Pom.xml**

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 <artifactId>spring-boot-starter-parent</artifactId>  
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 <artifactId>spring-boot-maven-plugin</artifactId>  
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 </build>  
  
</project>

Output  
