**CODE**

**microservices/account/src/main/java/com/cognizant/account/**

package com.cognizant.account.controller;

import com.cognizant.account.model.Account;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.PathVariable;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RestController;

@RestController

@RequestMapping("/accounts/")

public class AccountController {

@GetMapping("/{number}")

public Account getAccountByNumber(@PathVariable String number)

{

Account account = new Account(number, "savings", 234343.00);

return account;

}

}

**microservices/account/src/main/java/com/cognizant/account/controller**

package com.cognizant.account;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class AccountApplication {

public static void main(String[] args) {

SpringApplication.run(AccountApplication.class, args);

}

}

**microservices/account/src/main/java/com/cognizant/account/model**

package com.cognizant.account.model;

public class Account {

private String number;

private String type;

private double balance;

public Account(String number, String type, double balance)

{

this.number = number;

this.type = type;

this.balance = balance;

}

public String getNumber() {

return number;

}

public void setNumber(String number) {

this.number = number;

}

public String getType() {

return type;

}

public void setType(String type) {

this.type = type;

}

public double getBalance() {

return balance;

}

public void setBalance(double balance) {

this.balance = balance;

}

}

**microservices/account/src/main/resources/application.properties**

spring.application.name=account

server.port=7080

**microservices/account/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>Demo project for Spring Boot</description>

<url/>

<licenses>

<license/>

</licenses>

<developers>

<developer/>

</developers>

<scm>

<connection/>

<developerConnection/>

<tag/>

<url/>

</scm>

<properties>

<java.version>17</java.version>

</properties>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-devtools</artifactId>

<scope>runtime</scope>

<optional>true</optional>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-maven-plugin</artifactId>

</plugin>

</plugins>

</build>

</project>

**microservices/loans/src/main/java/com/cognizant/loans/controller**

package com.cognizant.loans.controller;

import com.cognizant.loans.model.Loans;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.PathVariable;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RestController;

@RestController

@RequestMapping("/loans/")

public class LoansController {

@GetMapping("/{number}")

public Loans getLoansByNumber(@PathVariable String number)

{

Loans loans = new Loans(number, "car", 400000, 3258, 18);

return loans;

}

}

**microservices/loans/src/main/java/com/cognizant/loans/**

package com.cognizant.loans;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class LoansApplication {

public static void main(String[] args) {

SpringApplication.run(LoansApplication.class, args);

}

}

**microservices/loans/src/main/java/com/cognizant/loans/model**

package com.cognizant.loans.model;

public class Loans {

private String number;

private String type;

private int loan;

private int emi;

private int tenure;

public Loans(String number, String type, int loan, int emi, int tenure)

{

this.number = number;

this.type = type;

this.loan = loan;

this.emi = emi;

this.tenure = tenure;

}

public String getNumber() {

return number;

}

public void setNumber(String number) {

this.number = number;

}

public String getType() {

return type;

}

public void setType(String type) {

this.type = type;

}

public int getLoan() {

return loan;

}

public void setLoan(int loan) {

this.loan = loan;

}

public int getEmi() {

return emi;

}

public void setEmi(int emi) {

this.emi = emi;

}

public int getTenure() {

return tenure;

}

public void setTenure(int tenure) {

this.tenure = tenure;

}

}

**microservices/loans/src/main/resources/application.properties**

spring.application.name=loans

server.port=7070

**microservices/loans/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>loans</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>loans</name>

<description>Demo project for Spring Boot</description>

<url/>

<licenses>

<license/>

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<developers>

<developer/>

</developers>

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<tag/>

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</scm>

<properties>

<java.version>17</java.version>

</properties>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-devtools</artifactId>

<scope>runtime</scope>

<optional>true</optional>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-maven-plugin</artifactId>

</plugin>

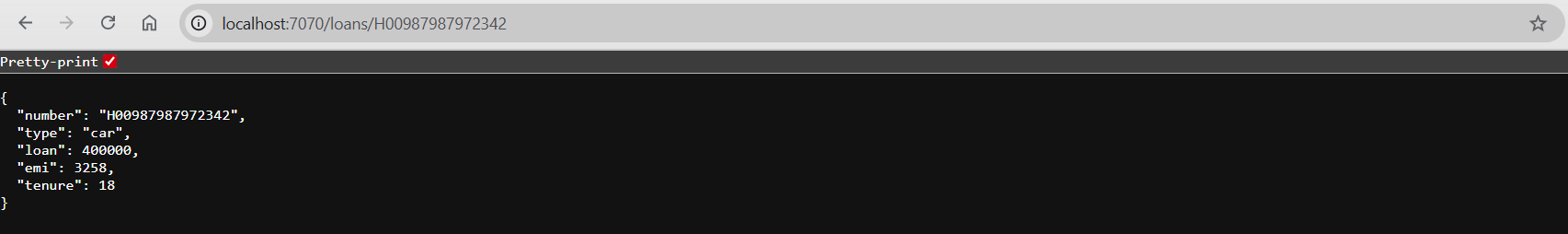
</plugins>

</build>

</project>

**OUTPUT**

**Loans\_Output**



**Accounts\_Output**

