**Microservices with Spring Boot 3 and Spring Cloud**

**Creating Microservices for account and loan**

**Code:**

#application.properties

spring.application.name=account

//AccountApplication.java

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);

    }

}

//AccountController.java

package com.cognizant.account;

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

@RestController

@RequestMapping("/accounts")

public class AccountController {

    @GetMapping("/{number}")

    public Account getAccount(@PathVariable String number) {

        return new Account(number, "savings", 234343);

    }

    // DTO

    static 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 String getType() { return type; }

        public double getBalance() { return balance; }

    }

}

#application.properties

spring.application.name=loan

server.port=8081

//LoanApplication.java

package com.cognizant.loan;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class LoanApplication {

    public static void main(String[] args) {

        SpringApplication.run(LoanApplication.class, args);

    }

}

//LoanController.java

package com.cognizant.loan;

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

@RestController

@RequestMapping("/loans")

public class LoanController {

@GetMapping("/{number}")

public Loan getLoan(@PathVariable String number) {

return new Loan(number, "car", 400000, 3258, 18);

}

// DTO

static class Loan {

private String number;

private String type;

private double loan;

private double emi;

private int tenure;

public Loan(String number, String type, double loan, double emi, int tenure) {

this.number = number;

this.type = type;

this.loan = loan;

this.emi = emi;

this.tenure = tenure;

}

public String getNumber() { return number; }

public String getType() { return type; }

public double getLoan() { return loan; }

public double getEmi() { return emi; }

public int getTenure() { return tenure; }

}

}

**Output:**

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