* Account Microservice

//application.properties

server.port = 8080

//Account.java

package com.cognizant.account.model;

import lombok.AllArgsConstructor;

import lombok.Data;

import lombok.NoArgsConstructor;

@Data

@NoArgsConstructor

@AllArgsConstructor

public class Account {

private String number;

private String type;

private double balance;

}

//AccountService.java

package com.cognizant.account.service;

import com.cognizant.account.model.Account;

public interface AccountService {

Account getAccountDetails(String number);

}

//AccountRepository.java

package com.cognizant.account.repository;

import com.cognizant.account.model.Account;

public interface AccountRepository {

Account findByNumber(String number);

}

//AccountController.java

package com.cognizant.account.controller;

import com.cognizant.account.model.Account;

import com.cognizant.account.service.AccountService;

import org.springframework.beans.factory.annotation.Autowired;

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

@RestController

@RequestMapping("/accounts")

public class AccountController {

@Autowired

private AccountService accountService;

@GetMapping("/{number}")

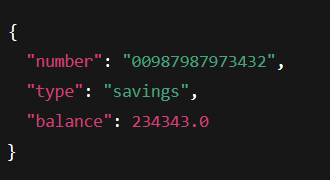
public Account getAccount(@PathVariable String number) {

return accountService.getAccountDetails(number);

}

}





* Loan Microservice

//application.properties

server.port = 8081

//Loan.java

package com.cognizant.loan.model;

import lombok.AllArgsConstructor;

import lombok.Data;

import lombok.NoArgsConstructor;

@Data

@NoArgsConstructor

@AllArgsConstructor

public class Loan {

private String number;

private String type;

private double loan;

private double emi;

private int tenure;

}

//LoanService.java

package com.cognizant.loan.service;

import com.cognizant.loan.model.Loan;

public interface LoanService {

Loan getLoanDetails(String number);

}

//LoanRepository.java

package com.cognizant.loan.repository;

import com.cognizant.loan.model.Loan;

public interface LoanRepository {

Loan findByNumber(String number);

}

//LoanController.java

package com.cognizant.loan.controller;

import com.cognizant.loan.model.Loan;

import com.cognizant.loan.service.LoanService;

import org.springframework.beans.factory.annotation.Autowired;

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

@RestController

@RequestMapping("/loans")

public class LoanController {

@Autowired

private LoanService loanService;

@GetMapping("/{number}")

public Loan getLoan(@PathVariable String number) {

return loanService.getLoanDetails(number);

}

}



