Week -5

Microservices with API Gateway

package com.example.demo;

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")

class AccountController {

@GetMapping("/{number}")

public Account getAccountDetails(@PathVariable String number) {

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

}

static class Account {

private final String number;

private final String type;

private final int balance;

public Account(String number, String type, int balance) {

this.number = number;

this.type = type;

this.balance = balance;

}

public String getNumber() {

return number;

}

public String getType() {

return type;

}

public int getBalance() {

return balance;

}

}

}

@RestController

@RequestMapping("/loans")

class LoanController {

@GetMapping("/{number}")

public Loan getLoanDetails(@PathVariable String number) {

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

}

static class Loan {

private final String number;

private final String type;

private final int loanAmount;

private final int emi;

private final int tenure;

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

this.number = number;

this.type = type;

this.loanAmount = loanAmount;

this.emi = emi;

this.tenure = tenure;

}

public String getNumber() {

return number;

}

public String getType() {

return type;

}

public int getLoanAmount() {

return loanAmount;

}

public int getEmi() {

return emi;

}

public int getTenure() {

return tenure;

}

}

}