**Creating Microservices for account and loan**

**Account Microservice**

AccountController.java:

package com.cognizant.account;

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

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

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

@RestController

public class AccountController {

@GetMapping("/accounts/{number}")

public Account getAccount(@PathVariable String number) {

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

}

}

Account.java:

package com.cognizant.account;

public class Account {

private String number;

private String type;

private 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; }

}

**Loan Microservice**

LoanController.java:

package com.cognizant.loan;

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

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

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

@RestController

public class LoanController {

@GetMapping("/loans/{number}")

public Loan getLoan(@PathVariable String number) {

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

}

}

Loan.java:

package com.cognizant.loan;

public class Loan {

private String number;

private String type;

private int loan;

private int emi;

private int tenure;

public Loan(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 String getType() { return type; }

public int getLoan() { return loan; }

public int getEmi() { return emi; }

public int getTenure() { return tenure; }

}

application.properties:

server.port=8081

Output:

{

"number": "H00987987972342",

"type": "car",

"loan": 400000,

"emi": 3258,

"tenure": 18

}