**Atchaya V - 6418561**

# Week 5

## Microservices

**Creating Microservices for account and loan**

**AccountController.java**

package com.cognizant.account.controller;

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

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

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

import java.util.Map;

@RestController

public class AccountController {

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

public Map<String, Object> getAccount(@PathVariable String number) {

return Map.*of*(

"number", number,

"type", "savings",

"balance", 234343

);

}

}

**AccountApplication.java**

package com.cognizant.account;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class AccountApplication {

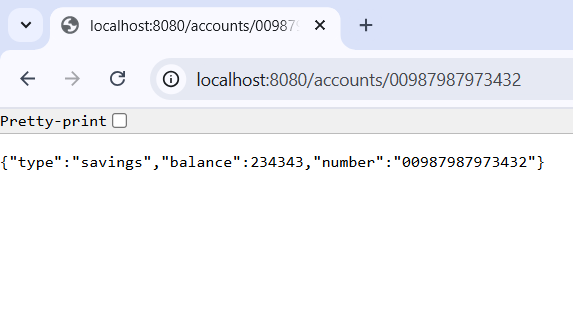
public static void main(String[] args) {

SpringApplication.*run*(AccountApplication.class, args);

}

}

**Output**

****

**LoanController.java**

package com.cognizant.loan.controller;

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

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

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

import java.util.Map;

@RestController

public class LoanController {

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

public Map<String, Object> getLoan(@PathVariable String loanNumber) {

return Map.*of*(

"number","H00987987972342",

"type", "car",

"loan", 400000,

"emi", 3258,

"tenure", 18

);

}

}

**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);

}

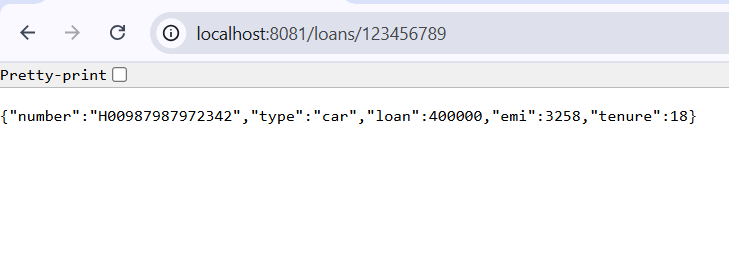
}

**application.properties**

spring.application.name=loan

server.port=8081

**Output**

****