**Creating Microservices for Account and Loan**

**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.Controller;

import org.springframework.http.ResponseEntity;

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

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

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

import java.util.HashMap;

import java.util.Map;

@RestController

public class AccountController {

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

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

Map<String, Object> response = new HashMap<>();

response.put("number", "00987987973432");

response.put("type", "savings");

response.put("balance", 234343);

return ResponseEntity.ok(response);

}

}

**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);

}

}

**LoanApplicationTests.java**

package com.cognizant.loan;

import org.junit.jupiter.api.Test;

import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest

class LoanApplicationTests {

@Test

void contextLoads() {

}

}

**LoanController.java**

package com.cognizant.loan.Controller;

import org.springframework.http.ResponseEntity;

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

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

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

import java.util.HashMap;

import java.util.Map;

@RestController

public class LoanController {

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

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

Map<String, Object> response = new HashMap<>();

response.put("number", "H00987987972342");

response.put("type", "car");

response.put("loan", 400000);

response.put("emi", 3258);

response.put("tenure", 18);

return ResponseEntity.ok(response);

}

}

**OUTPUTS**



