**Module 5 – Microservices with Spring Boot 3 and Spring Cloud**

**Creating Microservices for Account and Loan:**

**Code:**

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> getAccountDetails(@PathVariable String number) {

return Map.of(

"number", number,

"type", "savings",

"balance", 234343

);

}

}

**Output:**

**{**

**"number": "00987987973432",**

**"type": "savings",**

**"balance": 234343**

**}**

**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/{number}")

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

return Map.of(

"number", number,

"type", "car",

"loan", 400000,

"emi", 3258,

"tenure", 18

);

}

}

**Output:**

**{**

**"number": "H00987987972342",**

**"type": "car",**

**"loan": 400000,**

**"emi": 3258,**

**"tenure": 18**

**}**