**1) Microservices with Spring Boot 3   
and Spring Cloud**

**Exercise 1: Creating Microservices for account and loan**

**Account Management**

**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.web.bind.annotation.\*;

import java.util.Map;

@RestController

@RequestMapping("/accounts")

public class AccountController {

@GetMapping("/{number}")

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

return Map.*of*(

"number", number,

"type", "savings",

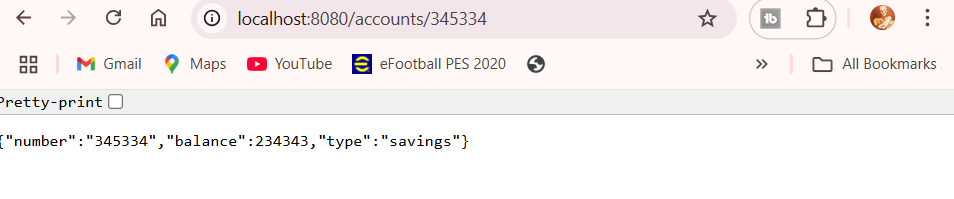
"balance", 234343

);

}

}

**Output:**

****

**Loan Management**

**LoanApplication.java**

package com.cognizant.loan;

import org.springframework.boot.SpringApplication;

import org.springframework LoanApplication.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class {

public static void main(String[] args) {

SpringApplication.run(LoanApplication.class, args);

}

}

**LoanController.java**

**package** com.cognizant.loan.controller;

**import** org.springframework.web.bind.annotation.\*;

**import** java.util.Map;

@RestController

@RequestMapping("/loans")

**public** **class** LoanController {

@GetMapping("/{number}")

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

**return** Map.*of*(

"number", number,

"type", "car",

"loan", 400000,

"emi", 3258,

"tenure", 18

);

}

}

**Output:**

