# **WEEK – 5**

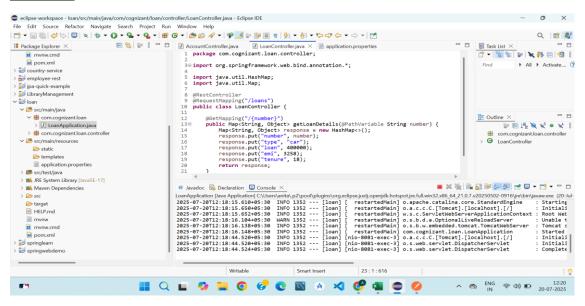
1) Create Microservices for account and loan

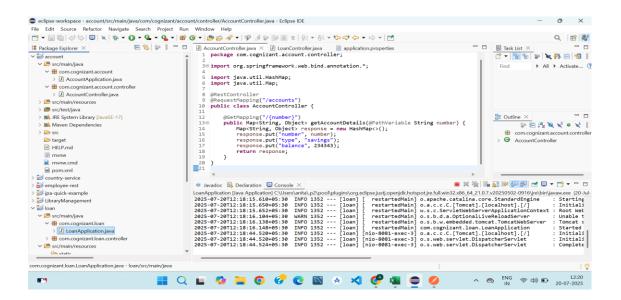
## AccountController.java

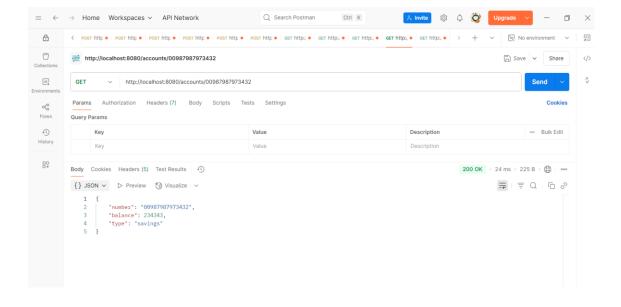
```
package com.cognizant.account.controller;
import org.springframework.web.bind.annotation.*;
import java.util.HashMap;
import java.util.Map;
@RestController
@RequestMapping("/accounts")
public class AccountController {
  @GetMapping("/{number}")
  public Map<String, Object> getAccountDetails(@PathVariable String number) {
    Map<String, Object> response = new HashMap<>();
    response.put("number", number);
    response.put("type", "savings");
    response.put("balance", 234343);
    return response;
 }}
LoanController.java
package com.cognizant.loan.controller;
import org.springframework.web.bind.annotation.*;
import java.util.HashMap;
import java.util.Map;
@RestController
@RequestMapping("/loans")
public class LoanController {
  @GetMapping("/{number}")
```

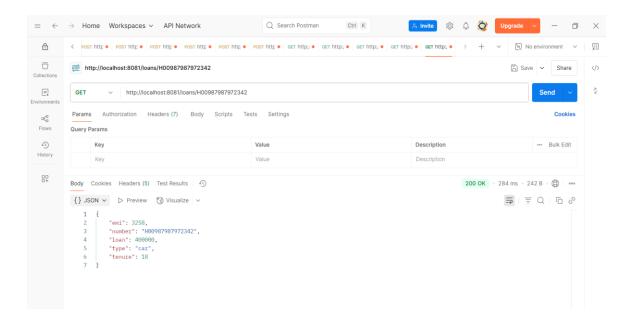
```
public Map<String, Object> getLoanDetails(@PathVariable String number) {
    Map<String, Object> response = new HashMap<>();
    response.put("number", number);
    response.put("type", "car");
    response.put("loan", 400000);
    response.put("emi", 3258);
    response.put("tenure", 18);
    return response;
}}
```

### **OUTPUT:**









# **HANDS-ON EXERCISES**

1) Create Eureka Discovery Server and register Microservices

### EurekaDiscoveryServerApplication.java

package com.cognizant.eurekadiscoveryserver;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

 $import\ org. spring framework. cloud.net flix. eureka. server. Enable Eureka Server;$ 

```
@SpringBootApplication
@EnableEurekaServer
public class EurekaDiscoveryServerApplication {
  public static void main(String[] args) {
    SpringApplication.run(EurekaDiscoveryServerApplication.class, args);
 }}
AccountApplication.java
package com.cognizant.account;
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.cloud.client.discovery.EnableDiscoveryClient;
@SpringBootApplication
@EnableDiscoveryClient
public class AccountApplication {
  public static void main(String[] args) {
    SpringApplication.run(AccountApplication.class, args);
 }}
LoanApplication.java
package com.cognizant.loan;
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.cloud.client.discovery.EnableDiscoveryClient;
@SpringBootApplication
@EnableDiscoveryClient
public class LoanApplication {
  public static void main(String[] args) {
    SpringApplication.run(LoanApplication.class, args);
 }}
```

### **OUTPUT:**

