

WEEK 5 EXERCISES

Creating Microservices for account and loan

```
AccountApplication.... × AccountController.ja... × application.prope... LoanController.java LoanApplication.java
1 package com.cognizant.account.controller;
2
3 import org.springframework.web.bind.annotation.*;
4
5 import java.util.Map;
6 import java.util.HashMap;
7
8 @RestController
9 @RequestMapping("/accounts")
10 public class AccountController {
11
12     @GetMapping("/{number}")
13     public Map<String, Object> getAccountDetails(@PathVariable String number) {
14         Map<String, Object> response = new HashMap<>();
15         response.put("number", number);
16         response.put("type", "savings");
17         response.put("balance", 234343);
18         return response;
19     }
20 }
21
```

```
AccountApplication.... AccountController.ja... application.prope... LoanController.java × LoanApplication.java
1 package com.cognizant.loan.controller;
2
3 import org.springframework.web.bind.annotation.*;
4
5 import java.util.HashMap;
6 import java.util.Map;
7
8 @RestController
9 @RequestMapping("/loans")
10 public class LoanController {
11
12     @GetMapping("/{number}")
13     public Map<String, Object> getLoanDetails(@PathVariable String number) {
14         Map<String, Object> response = new HashMap<>();
15         response.put("number", number);
16         response.put("type", "car");
17         response.put("loan", 400000);
18         response.put("emi", 3258);
19         response.put("tenure", 18);
20         return response;
21     }
22 }
23
```

```
AccountApplication.... AccountController.ja... application.prope... × LoanController.java LoanApplication.java
1 spring.application.name=loan
2 server.port=8081
```

Output :



A screenshot of a web browser window. The address bar shows the URL `localhost:8080/accounts/00987987973432`. Below the address bar, there is a "Pretty-print" button with a checkmark. The main content area displays a JSON object:

```
{
  "number": "00987987973432",
  "balance": 234343,
  "type": "savings"
}
```



A screenshot of a web browser window. The address bar shows the URL `localhost:8081/loans/H00987987972342`. Below the address bar, there is a "Pretty-print" button with a checkmark. The main content area displays a JSON object:

```
{
  "emi": 3258,
  "number": "H00987987972342",
  "loan": 400000,
  "type": "car",
  "tenure": 18
}
```