

Cognizant - DN 4.0 Deep Skilling Java FSE

Week 05 - Microservices with Spring Boot 3 and Spring Cloud

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Exercise 1: Creating Microservices for account and loan

```
//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:



//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,
            "email", 3258,
            "tenure", 18
        );
    }
}
```

Output:

