

Digital Nurture – 4.0 JAVA FSE – Week 5 Assignments

File name: 2. Microservices with API gateway

Name: Creating Microservices for account and loan

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);
    }

}
```

AccountCounter.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
        );
    }

}
```

LoanCounter.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;

