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Creating Microservices for account and loan

Account Microservice

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

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

@RestController
@RequestMapping("/accounts")

public class AccountController
{
    @GetMapping("/{number}")
    public Account getAccount(@PathVariable String number) {
        return new Account(number, "savings", 234343);
    }
}

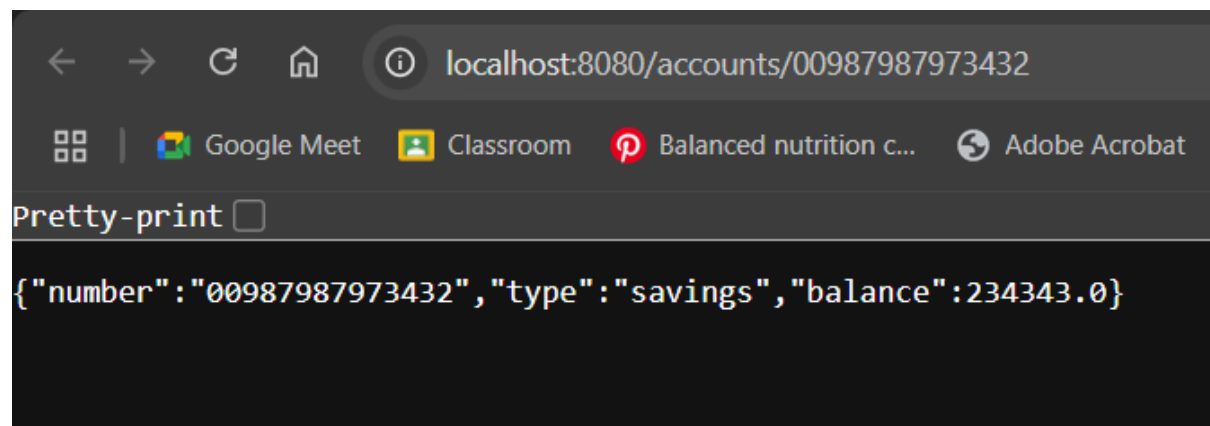
class Account {
    private String number;
```

```

private String type;
private double balance;
public Account(String number, String type, double balance) {
    this.number = number;
    this.type = type;
    this.balance = balance;
}
public String getNumber() { return number; }
public String getType() { return type; }
public double getBalance() { return balance; }
}

```

Output :



Loan Microservice

LoanApplication.java

```

package com.cognizant.loan;

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

@SpringBootApplication
public class LoanApplication {

    public static void main(String[] args) {

```

```
        SpringApplication.run(LoanApplication.class, args);
    }
}
```

LoanController.java

```
package com.cognizant.loan;

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

@RestController
@RequestMapping("/loans")

public class LoanController
{
    @GetMapping("/{number}")
    public Loan getLoan(@PathVariable String number) {
        return new Loan(number, "car", 400000, 3258, 18);
    }
}

class Loan {

    private String number;

    private String type;

    private double loan;

    private int emi;

    private int tenure;

    public Loan(String number, String type, double loan, int emi, int tenure) {

        this.number = number;

        this.type = type;

        this.loan = loan;

        this.emi = emi;

        this.tenure = tenure;

    }

    public String getNumber() { return number; }

    public String getType() { return type; }
```

```
public double getLoan() { return loan; }  
  
public int getEmi() { return emi; }  
  
public int getTenure() { return tenure; }  
  
}
```

application.properties

spring.application.name=loan

server.port=8081

Output :

