MICROSERVICES

- ## **Creating Microservices for account and loan**

➡️solution:

```java
package com.cognizant.account.model;
public class Account {
    private String number;
    private String type;
    private int balance;

    public Account(String number, String type, int balance) {
        this.number = number;
        this.type = type;
        this.balance = balance;
    }

    public String getNumber() {
        return number;
    }

    public void setNumber(String number) {
        this.number = number;
    }

    public String getType() {
        return type;
    }

    public void setType(String type) {
        this.type = type;
    }

    public int getBalance() {
        return balance;
    }

    public void setBalance(int balance) {
        this.balance = balance;
    }
}
```
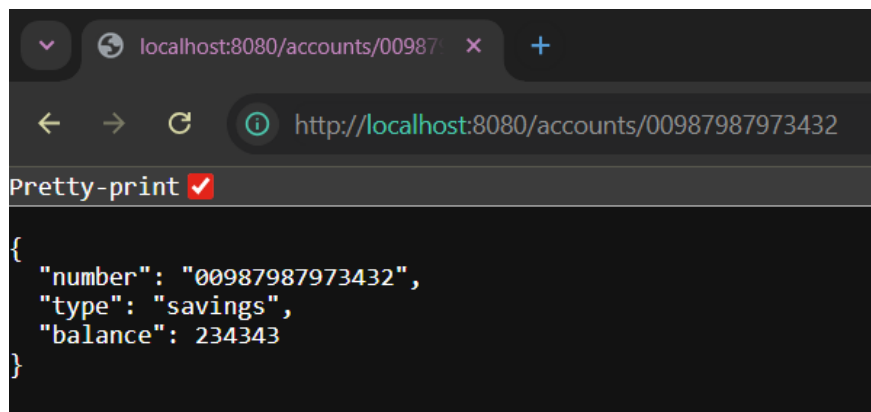
AccountController.java

```java
package com.cognizant.account.controller;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RestController;
import com.cognizant.account.model.Account;

@RestController
public class AccountController {

    @GetMapping("/accounts/{number}")
    public Account getAccountDetails(@PathVariable String number) {
            return new Account(number, "savings", 234343);
    }
}
```


Loan.java

```java
package com.cognizant.loan.model;

public class Loan {
    private String number;
  private String type;
  private int loan;
  private int emi;
  private int tenure;

  public Loan(String number, String type, int loan, int emi, int tenure) {
    this.number = number;
    this.type = type;
    this.loan = loan;
    this.emi = emi;
    this.tenure = tenure;
  }
```

```java
    public String getNumber() {
            return number;
    }

    public void setNumber(String number) {
            this.number = number;
    }

    public String getType() {
            return type;
    }

    public void setType(String type) {
            this.type = type;
    }

    public int getLoan() {
            return loan;
    }

    public void setLoan(int loan) {
            this.loan = loan;
    }

    public int getEmi() {
            return emi;
    }

    public void setEmi(int emi) {
            this.emi = emi;
    }

    public int getTenure() {
            return tenure;
    }

    public void setTenure(int tenure) {
            this.tenure = tenure;
    }
}
```

```java
package com.cognizant.loan.controller;

import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RestController;
import com.cognizant.loan.model.Loan;

@RestController
public class LoanController {

    @GetMapping("loans/{number}")
    public Loan getLoanDetails(@PathVariable String number) {
            return new Loan(number, "car", 400000, 3258, 18);
    }
}
```