

Microservices:

1. Account Service:

Steps:

1. AccountController.java:

```
package com.cognizant.account;

import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RestController;

@RestController

public class AccountController {

    @GetMapping("/accounts/{number}")

    public Account getAccountDetails(@PathVariable String
number) {

        // Return dummy response

        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;

}

// Getters

public String getNumber() { return number; }

public String getType() { return type; }

public double getBalance() { return balance; }

}
```

2. AccountApplication.java:

```
package com.cognizant.account;

import org.springframework.boot.SpringApplication;

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

```
@SpringBootApplication

public class AccountApplication {

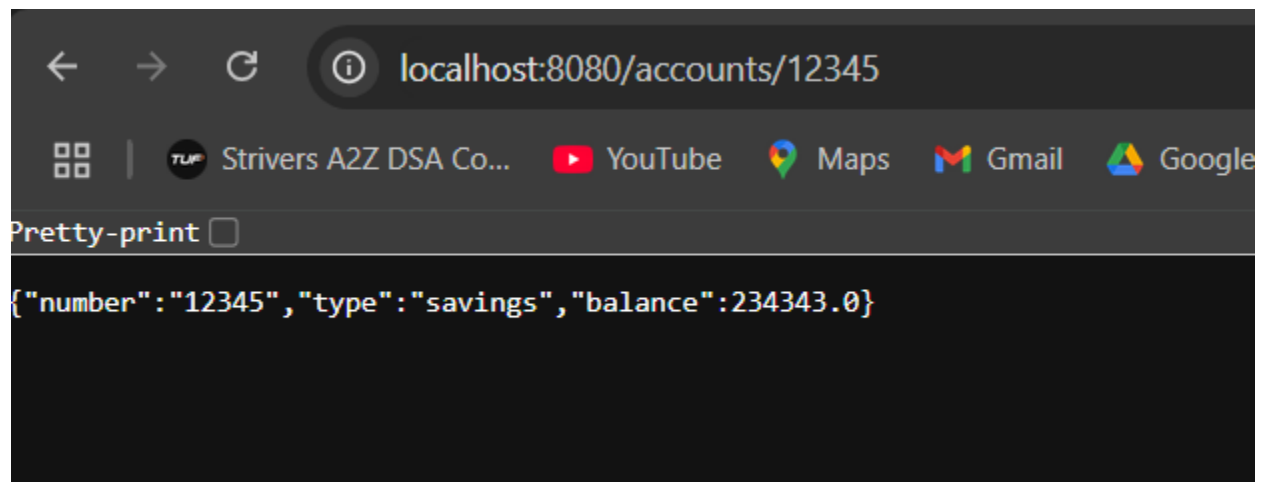
    public static void main(String[] args) {

        SpringApplication.run(AccountApplication.class, args);

    }

}
```

Output:



2. Loan Service:

Steps:

3. LoanController.java:

```
package com.cognizant.loan;

import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RestController;

@RestController

public class LoanController {

    @GetMapping("/loans/{number}")

    public Loan getLoanDetails(@PathVariable String number) {

        return new Loan(number, "car", 400000, 3258, 18);

    }

}

class Loan {

    private String number;

    private String type;
```

```

private double loan;

private double emi;

private int tenure;


    public Loan(String number, String type, double loan,
double 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 double getEmi() { return emi; }

    public int getTenure() { return tenure; }

}

```

4. 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);

    }

}
```

Output:

