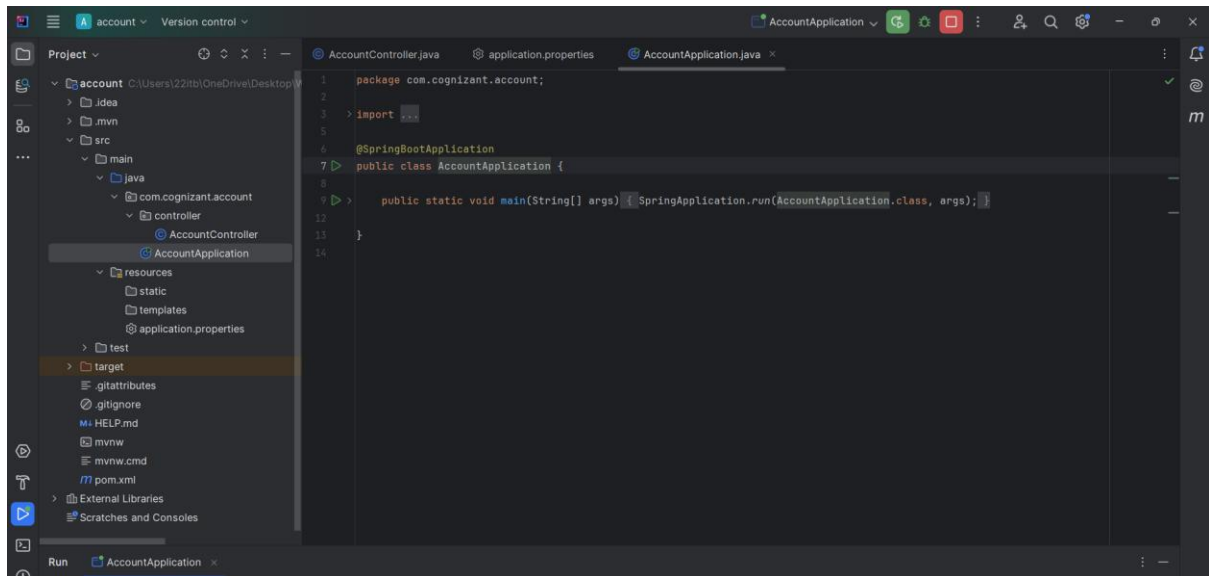


Week 5 : Microservices

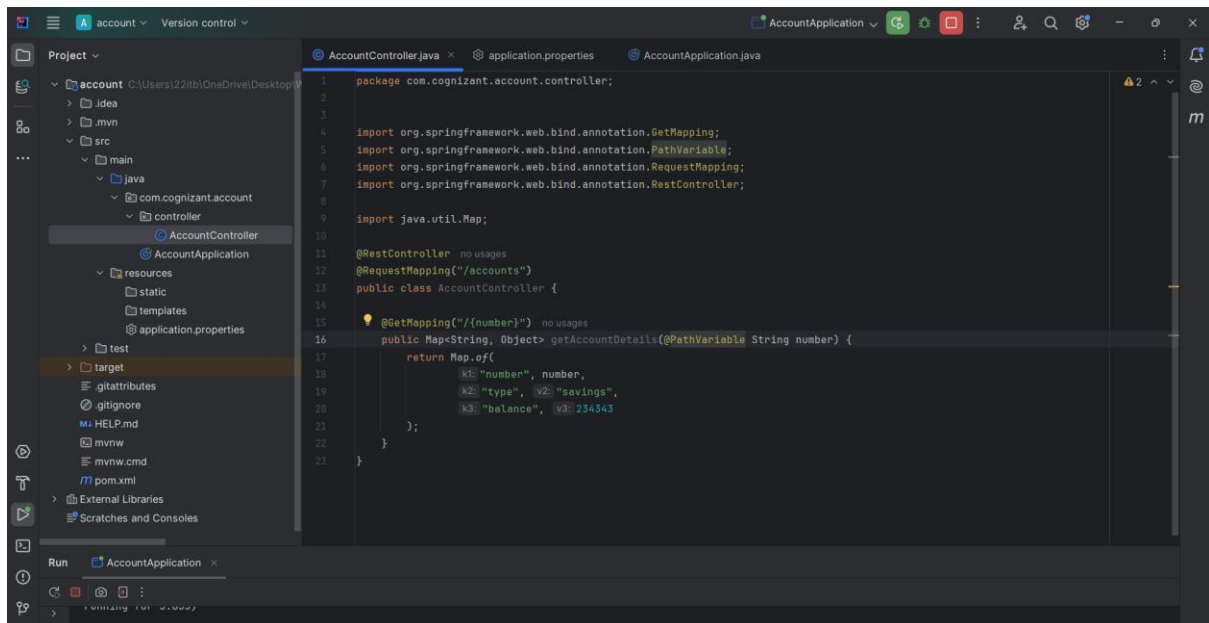
Creating Microservices for account and loan

Service 1 :Account Service

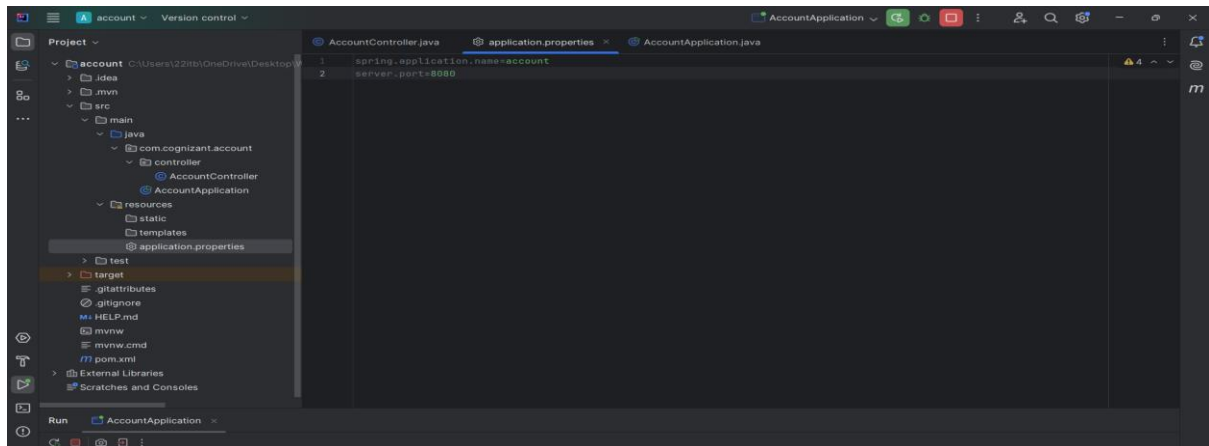
AccountApplication.java



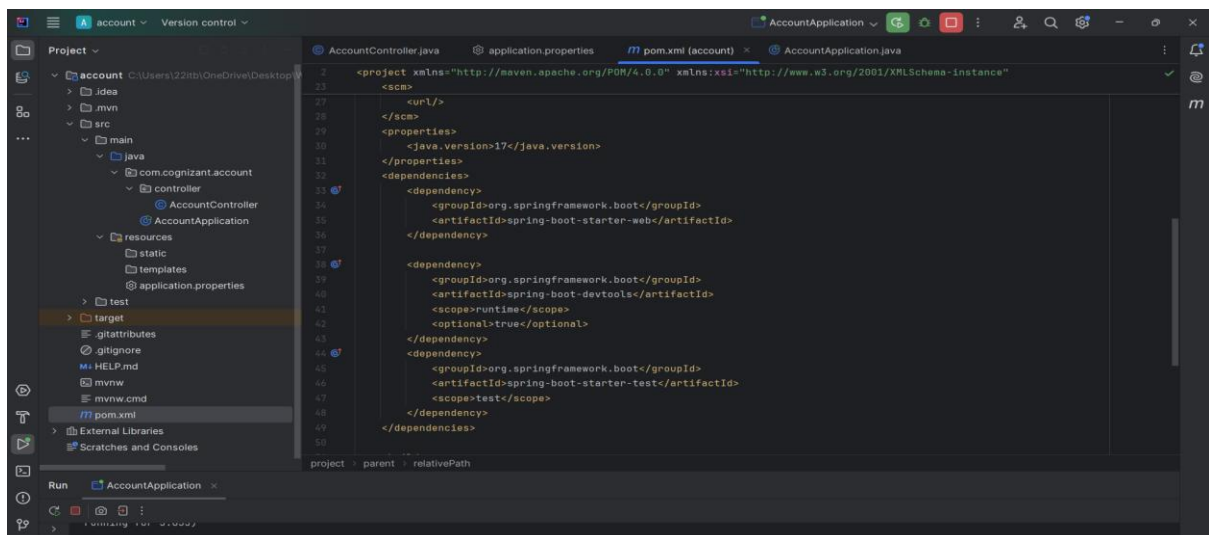
Controller:



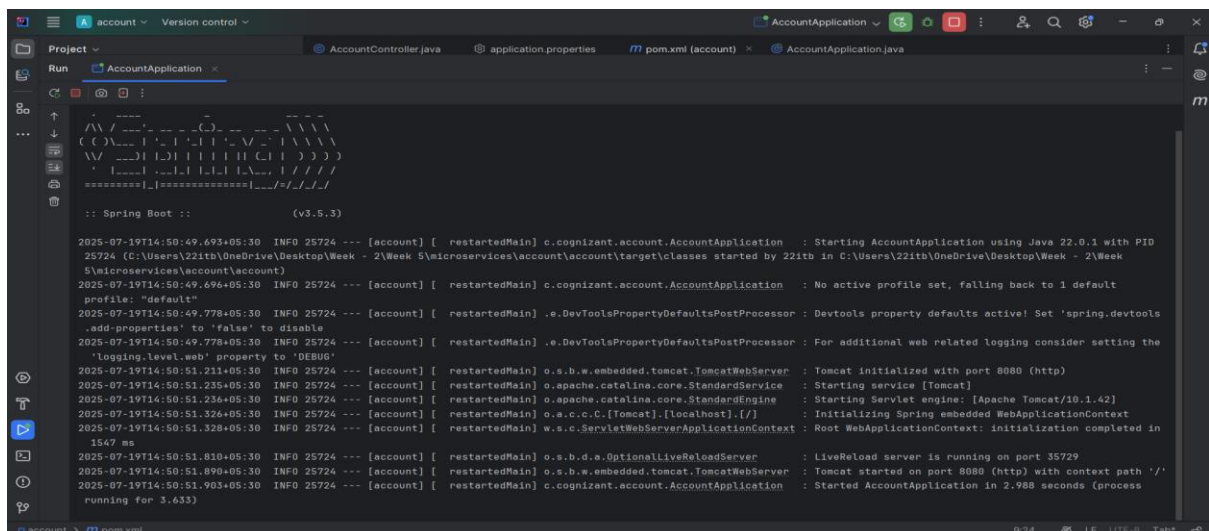
Application.property: port : 8080



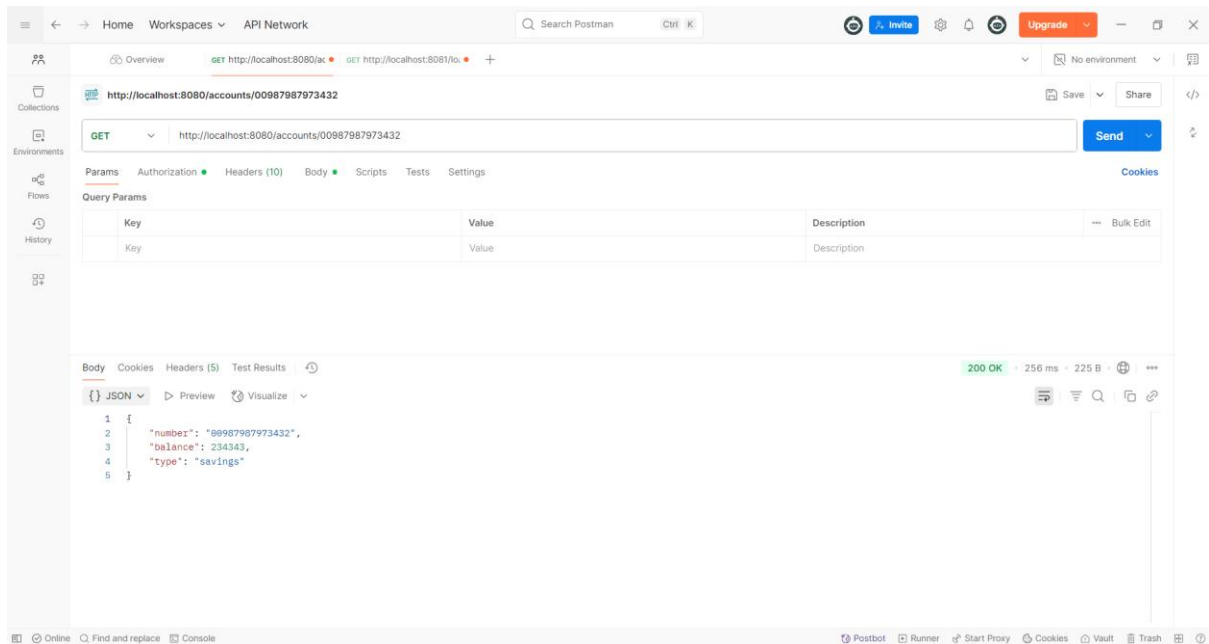
Pom.xml



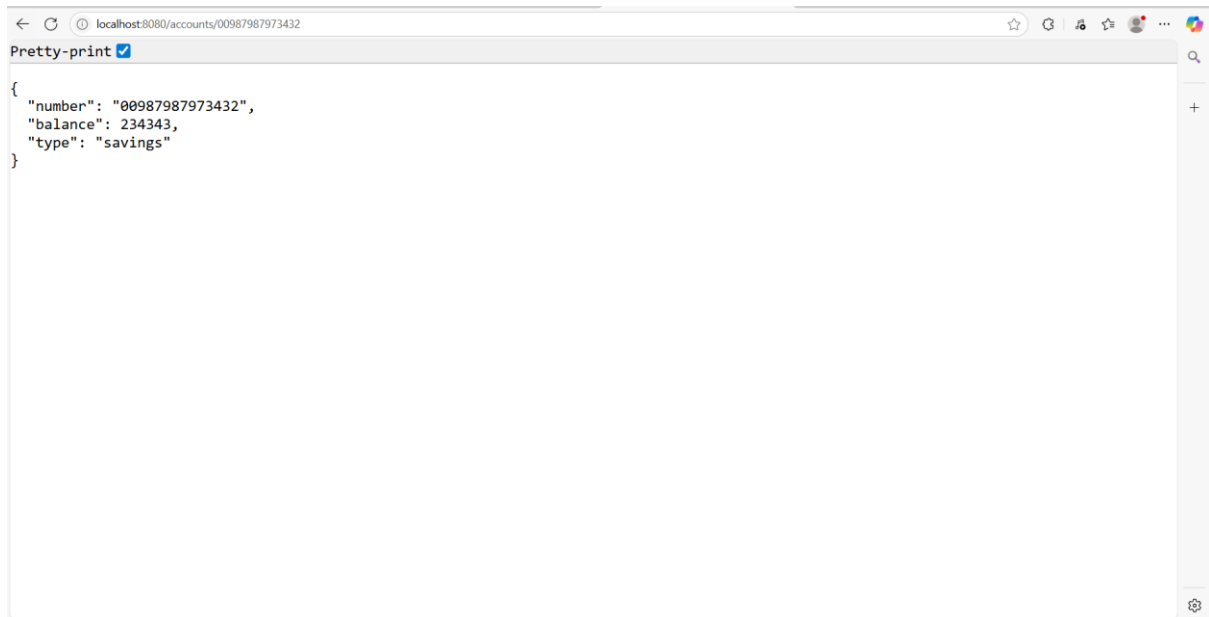
Console Output



Postman Output

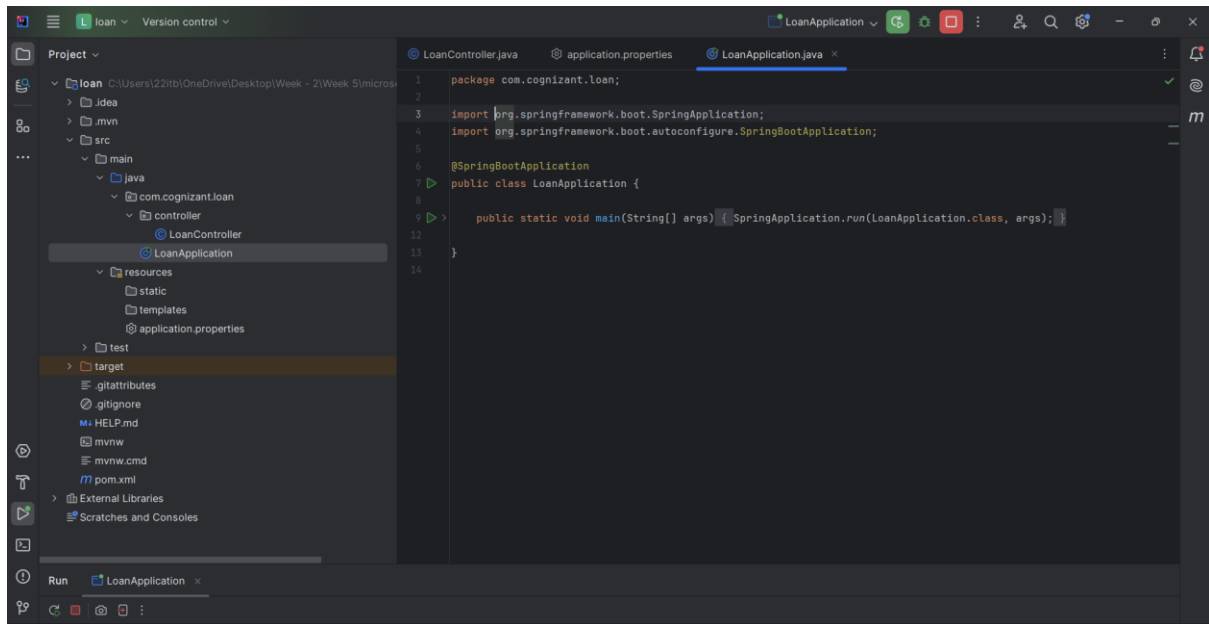


Browser Output



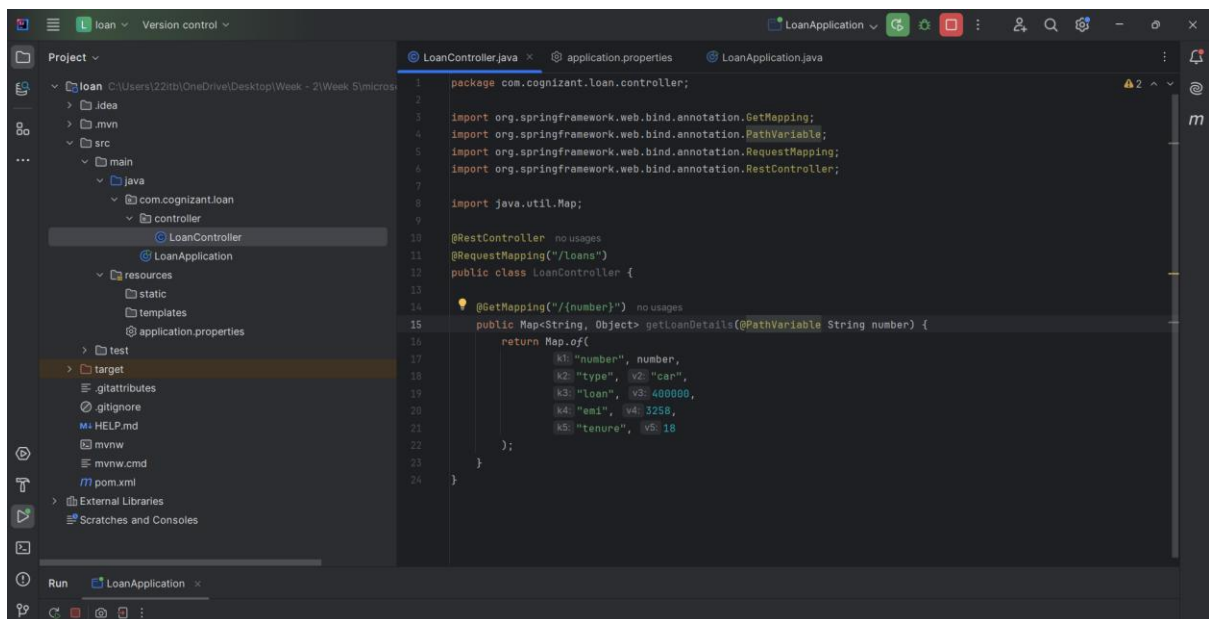
Service 2: Loan Service

LoanApplication.java



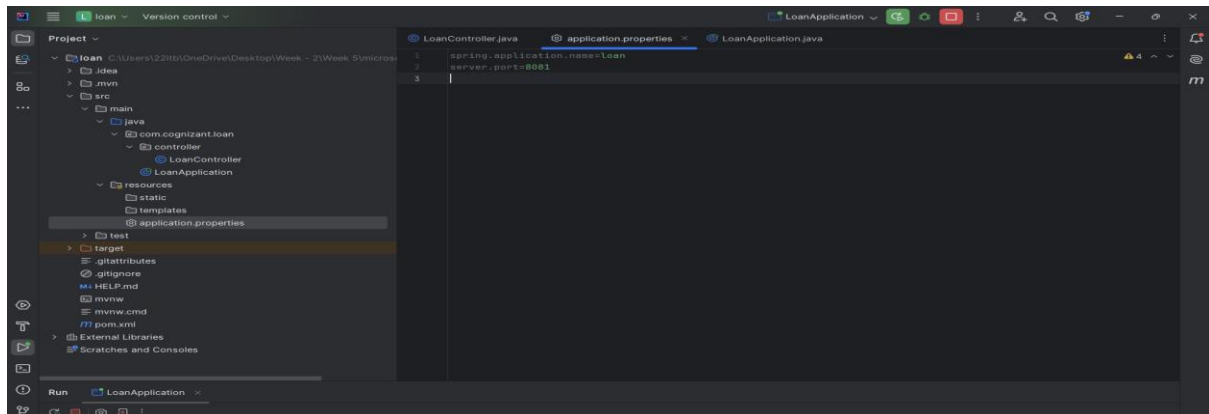
```
1 package com.cognizant.loan;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class LoanApplication {
8
9     public static void main(String[] args) { SpringApplication.run(LoanApplication.class, args); }
10
11 }
12
13
14
```

Controller

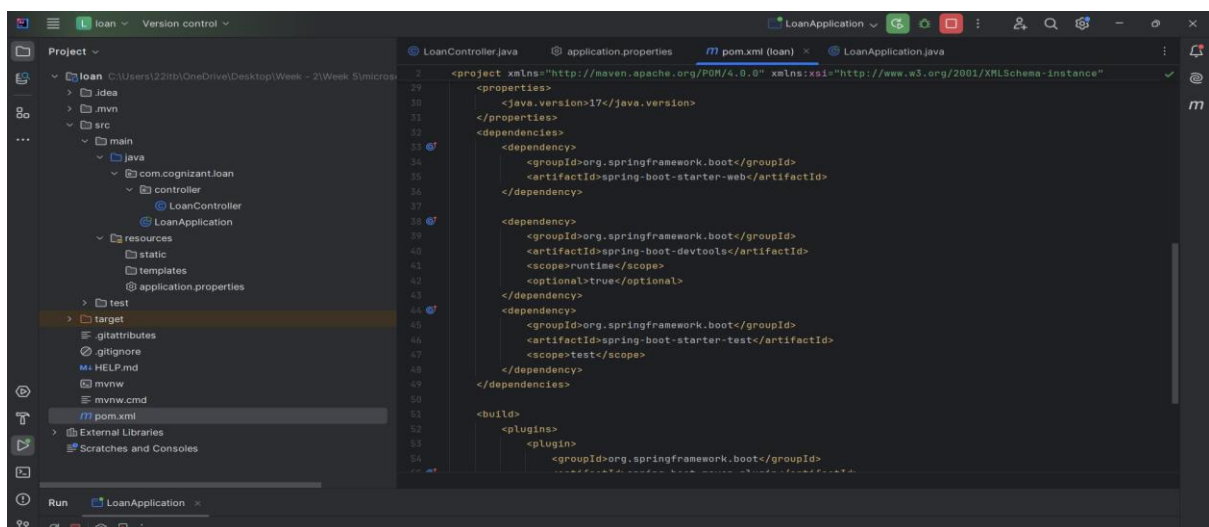


```
1 package com.cognizant.loan.controller;
2
3 import org.springframework.web.bind.annotation.GetMapping;
4 import org.springframework.web.bind.annotation.PathVariable;
5 import org.springframework.web.bind.annotation.RequestMapping;
6 import org.springframework.web.bind.annotation.RestController;
7
8 import java.util.Map;
9
10 @RestController
11 @RequestMapping("/loans")
12 public class LoanController {
13
14     @GetMapping("/{number}")
15     public Map<String, Object> getLoanDetails(@PathVariable String number) {
16         return Map.of(
17             k1: "number", number,
18             k2: "type", v2: "car",
19             k3: "loan", v3: 400000,
20             k4: "emi", v4: 3258,
21             k5: "tenure", v5: 18
22         );
23     }
24 }
```

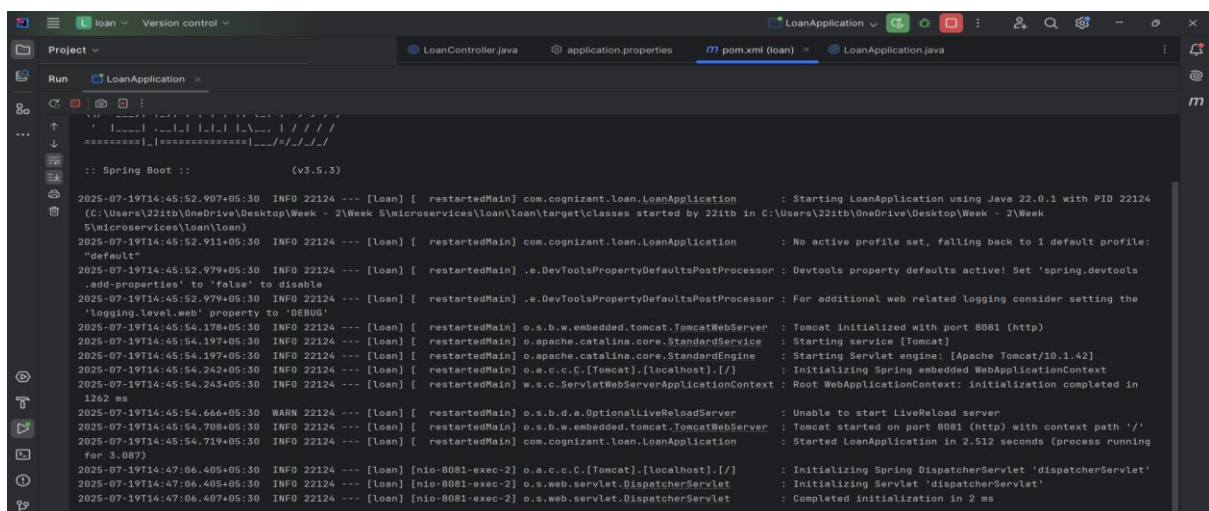
Application.property : port = 8081



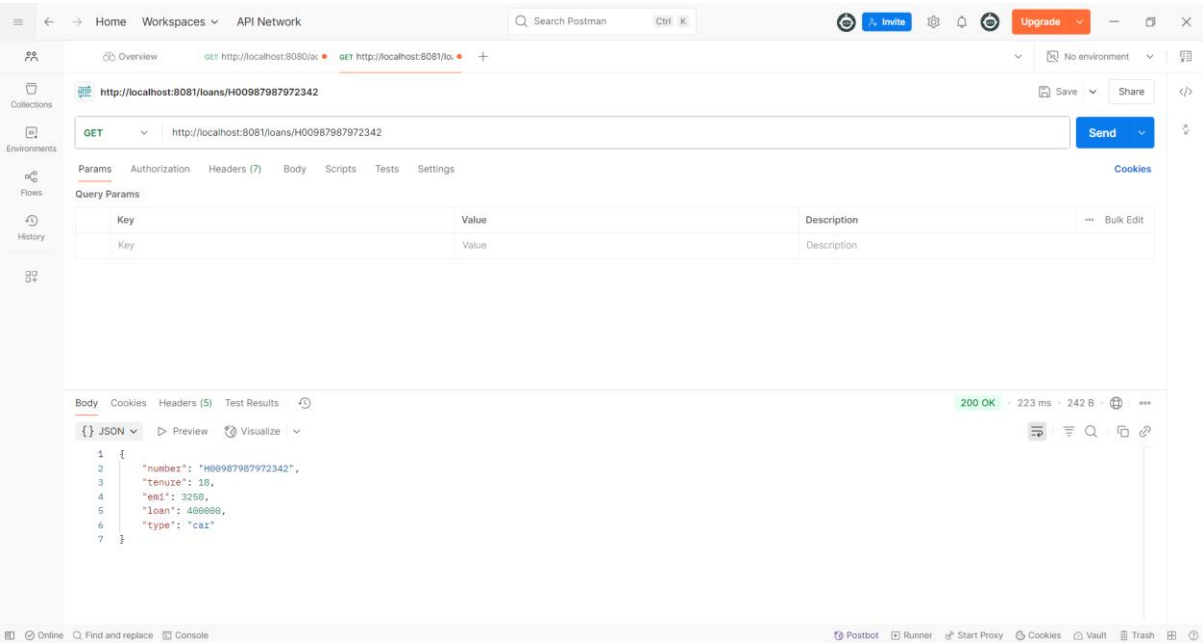
Pom.xml



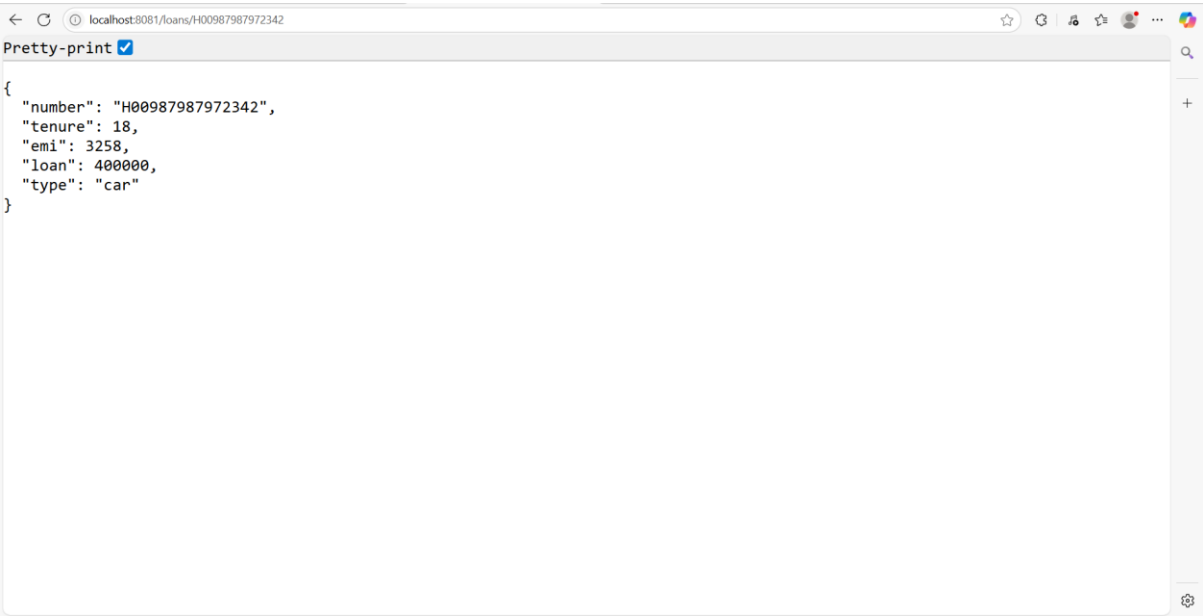
Console Output



Postman Output



Browser Output



Both services running under the microservice folder

