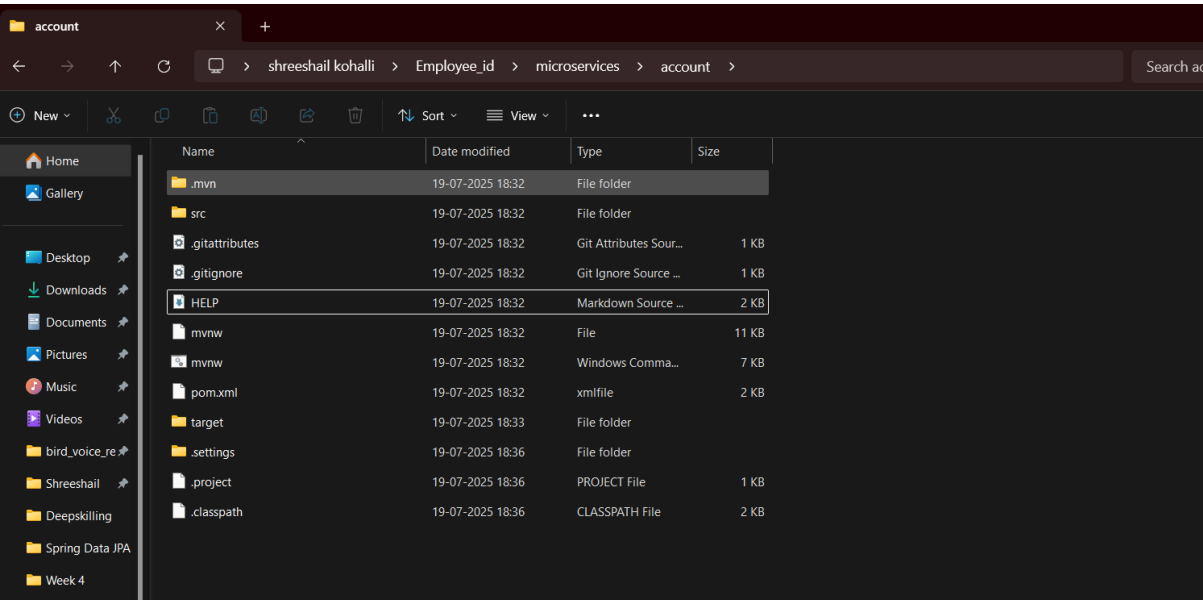
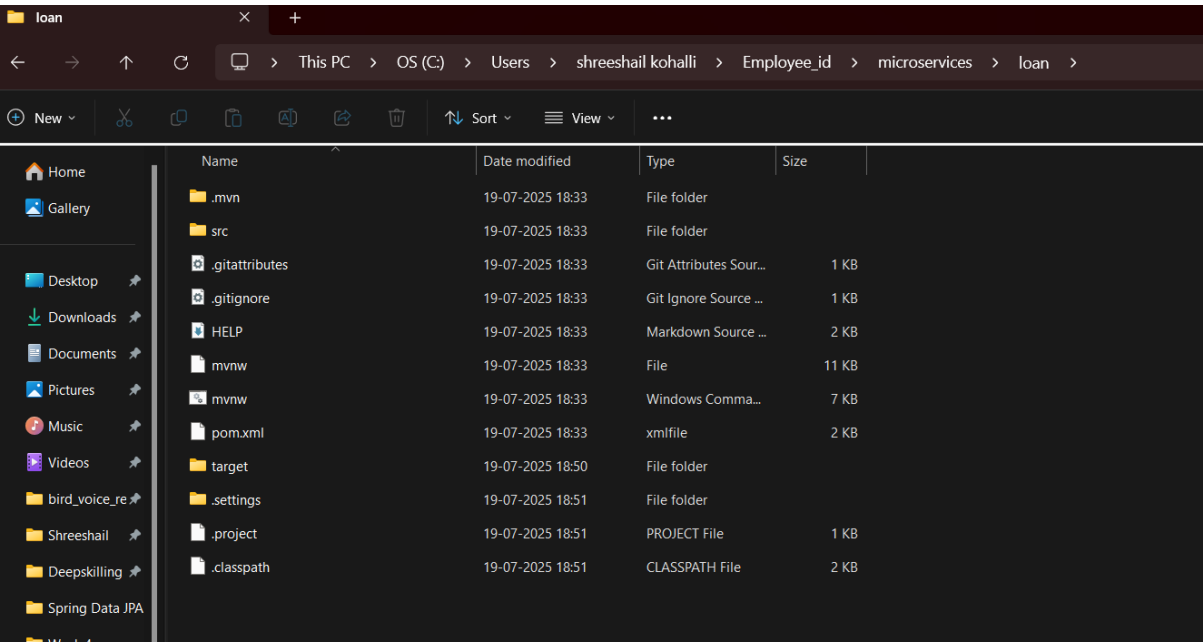


Creating Microservices for account and loan:

Account folder:



Loan folder:



mvn clean package(account):

```
Windows PowerShell
=====|_|=====|_|_/=/_/_/_/
:: Spring Boot ::                (v3.5.3)

2025-07-19T18:33:48.373+05:30 INFO 15352 --- [account] [main] c.c.account.AccountApplicationTests : Starting AccountApplicationTests using
Java 21.0.6 with PID 15352 (started by shreeshail kohalli in C:\Users\shreeshail kohalli\Employee_id\microservices\account)
2025-07-19T18:33:48.375+05:30 INFO 15352 --- [account] [main] c.c.account.AccountApplicationTests : No active profile set, falling back to
1 default profile: "default"
2025-07-19T18:33:50.020+05:30 INFO 15352 --- [account] [main] c.c.account.AccountApplicationTests : Started AccountApplicationTests in 2.16
6 seconds (process running for 3.868)
Mockito is currently self-attaching to enable the inline-mock-maker. This will no longer work in future releases of the JDK. Please add Mockito as an agent
to your build as described in Mockito's documentation: https://javadoc.io/doc/org.mockito/mockito-core/latest/org.mockito/org/mockito/Mockito.html#0.3
Java HotSpot(TM) 64-Bit Server VM warning: Sharing is only supported for boot loader classes because bootstrap classpath has been appended
WARNING: A Java agent has been loaded dynamically (C:\Users\shreeshail kohalli\.m2\repository\net\bytebuddy\byte-buddy-agent\1.17.6\byte-buddy-agent-1.17.6.
jar)
WARNING: If a serviceability tool is in use, please run with -XX:+EnableDynamicAgentLoading to hide this warning
WARNING: If a serviceability tool is not in use, please run with -Djdk.instrument.traceUsage for more information
WARNING: Dynamic loading of agents will be disallowed by default in a future release
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 4.903 s -- in com.cognizant.account.AccountApplicationTests
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- jar:3.4.2:jar (default-jar) @ account ---
[INFO] Building jar: C:\Users\shreeshail kohalli\Employee_id\microservices\account\target\account-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot:3.5.3:repackage (repackage) @ account ---
[INFO] Replacing main artifact C:\Users\shreeshail kohalli\Employee_id\microservices\account\target\account-0.0.1-SNAPSHOT.jar with repackaged archive, addi
ng nested dependencies in BOOT-INF/.
[INFO] The original artifact has been renamed to C:\Users\shreeshail kohalli\Employee_id\microservices\account\target\account-0.0.1-SNAPSHOT.jar.original
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 12.281 s
[INFO] Finished at: 2025-07-19T18:33:53+05:30
[INFO]
PS C:\Users\shreeshail kohalli\Employee_id\microservices\account> |
```

Mvn clean package(loan):

```
Windows PowerShell
=====|_|=====|_|_/=/_/_/_/
:: Spring Boot ::                (v3.5.3)

025-07-19T18:50:19.546+05:30 INFO 1848 --- [loan] [main] c.cognizant.loan.LoanApplicationTests : Starting LoanApplicationTests using Java 21
0.6 with PID 1848 (started by shreeshail kohalli in C:\Users\shreeshail kohalli\Employee_id\microservices\loan)
025-07-19T18:50:19.549+05:30 INFO 1848 --- [loan] [main] c.cognizant.loan.LoanApplicationTests : No active profile set, falling back to 1 de
ault profile: "default"
025-07-19T18:50:20.945+05:30 INFO 1848 --- [loan] [main] c.cognizant.loan.LoanApplicationTests : Started LoanApplicationTests in 1.848 secon
s (process running for 3.341)
Mockito is currently self-attaching to enable the inline-mock-maker. This will no longer work in future releases of the JDK. Please add Mockito as an agent
to your build as described in Mockito's documentation: https://javadoc.io/doc/org.mockito/mockito-core/latest/org.mockito/org/mockito/Mockito.html#0.3
WARNING: A Java agent has been loaded dynamically (C:\Users\shreeshail kohalli\.m2\repository\net\bytebuddy\byte-buddy-agent\1.17.6\byte-buddy-agent-1.17.6.
ar)
WARNING: If a serviceability tool is in use, please run with -XX:+EnableDynamicAgentLoading to hide this warning
WARNING: If a serviceability tool is not in use, please run with -Djdk.instrument.traceUsage for more information
WARNING: Dynamic loading of agents will be disallowed by default in a future release
Java HotSpot(TM) 64-Bit Server VM warning: Sharing is only supported for boot loader classes because bootstrap classpath has been appended
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 3.905 s -- in com.cognizant.loan.LoanApplicationTests
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- jar:3.4.2:jar (default-jar) @ loan ---
[INFO] Building jar: C:\Users\shreeshail kohalli\Employee_id\microservices\loan\target\loan-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- spring-boot:3.5.3:repackage (repackage) @ loan ---
[INFO] Replacing main artifact C:\Users\shreeshail kohalli\Employee_id\microservices\loan\target\loan-0.0.1-SNAPSHOT.jar with repackaged archive, adding nes
ted dependencies in BOOT-INF/.
[INFO] The original artifact has been renamed to C:\Users\shreeshail kohalli\Employee_id\microservices\loan\target\loan-0.0.1-SNAPSHOT.jar.original
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 9.865 s
[INFO] Finished at: 2025-07-19T18:50:23+05:30
[INFO]
PS C:\Users\shreeshail kohalli\Employee_id\microservices\loan>
```

Accountcontroller.java

```
package com.cognizant.account.controller;

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

import java.util.Map;

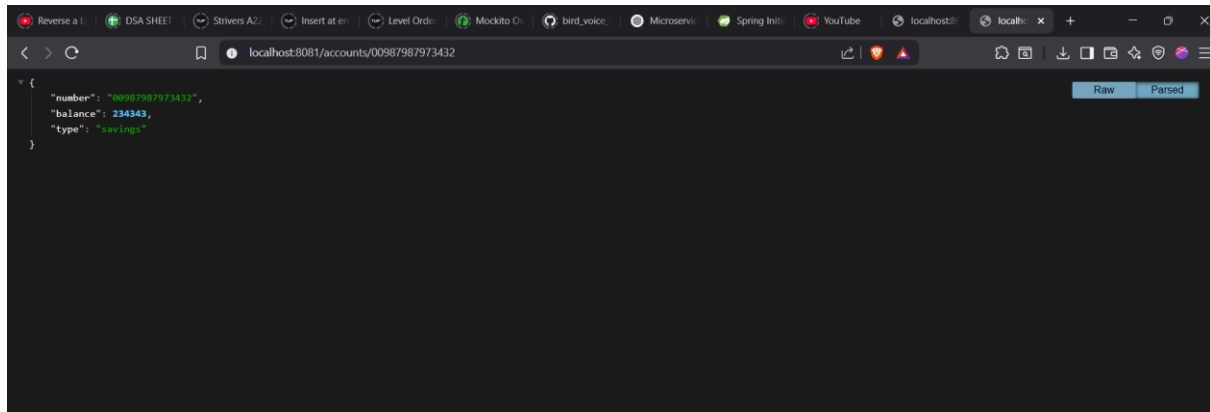
@RestController
@RequestMapping("/accounts")
public class AccountController {
```

```

@GetMapping("/{number}")
public Map<String, Object> getAccount(@PathVariable String number) {
    return Map.of(
        "number", number,
        "type", "savings",
        "balance", 234343
    );
}
}

```

Output:



```

{
  "number": "00987987973432",
  "balance": 234343,
  "type": "savings"
}

```

Loancontroller.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> getLoan(@PathVariable String number) {
        return Map.of(
            "number", number,
            "type", "car",
            "loan", 400000,
            "emi", 3258,
            "tenure", 18
        );
    }
}

```

Output:

