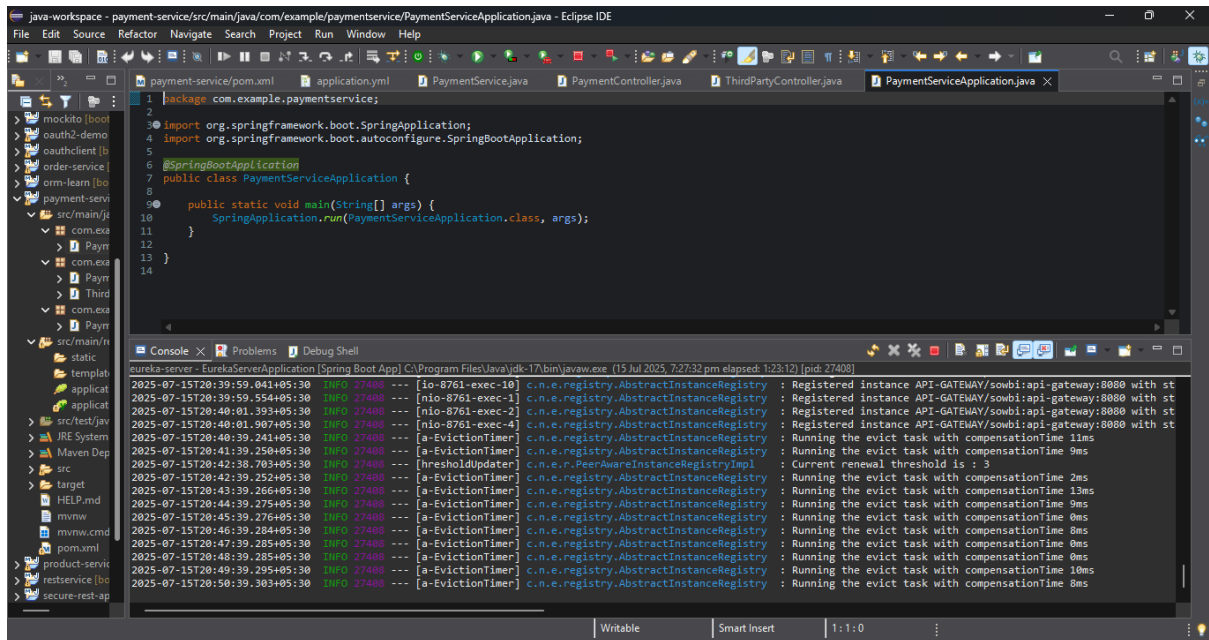


4. Resilient Microservices with Circuit Breaker

Output:



The screenshot displays the Eclipse IDE interface. The main editor shows the `PaymentServiceApplication.java` file, which is a Spring Boot application. The code includes the following:

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

The left sidebar shows the project structure, including the `src/main/java` directory and the `com.example.paymentservice` package. The bottom console window shows the output of the application, which includes the following log messages:

```
2025-07-15T20:39:50.041+05:30 INFO 27488 --- [io-8761-exec-10] c.n.e.registry.AbstractInstanceRegistry : Registered instance API-GATEWAY/sowbi:api-gateway:8080 with st
2025-07-15T20:39:50.554+05:30 INFO 27488 --- [nio-8761-exec-1] c.n.e.registry.AbstractInstanceRegistry : Registered instance API-GATEWAY/sowbi:api-gateway:8080 with st
2025-07-15T20:40:01.393+05:30 INFO 27488 --- [nio-8761-exec-2] c.n.e.registry.AbstractInstanceRegistry : Registered instance API-GATEWAY/sowbi:api-gateway:8080 with st
2025-07-15T20:40:01.907+05:30 INFO 27488 --- [nio-8761-exec-4] c.n.e.registry.AbstractInstanceRegistry : Registered instance API-GATEWAY/sowbi:api-gateway:8080 with st
2025-07-15T20:40:39.241+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 11ms
2025-07-15T20:41:39.250+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 9ms
2025-07-15T20:42:39.703+05:30 INFO 27488 --- [thresholdUpdater] c.n.e.r.PeerAwareInstanceRegistryImpl : Current renewal threshold is 3
2025-07-15T20:42:39.252+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 2ms
2025-07-15T20:43:39.266+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 13ms
2025-07-15T20:44:39.275+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 9ms
2025-07-15T20:45:39.276+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T20:46:39.284+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 8ms
2025-07-15T20:47:39.285+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T20:48:39.285+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 0ms
2025-07-15T20:49:39.295+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 10ms
2025-07-15T20:50:39.303+05:30 INFO 27488 --- [a-EvictionTimer] c.n.e.registry.AbstractInstanceRegistry : Running the evict task with compensationTime 8ms
```