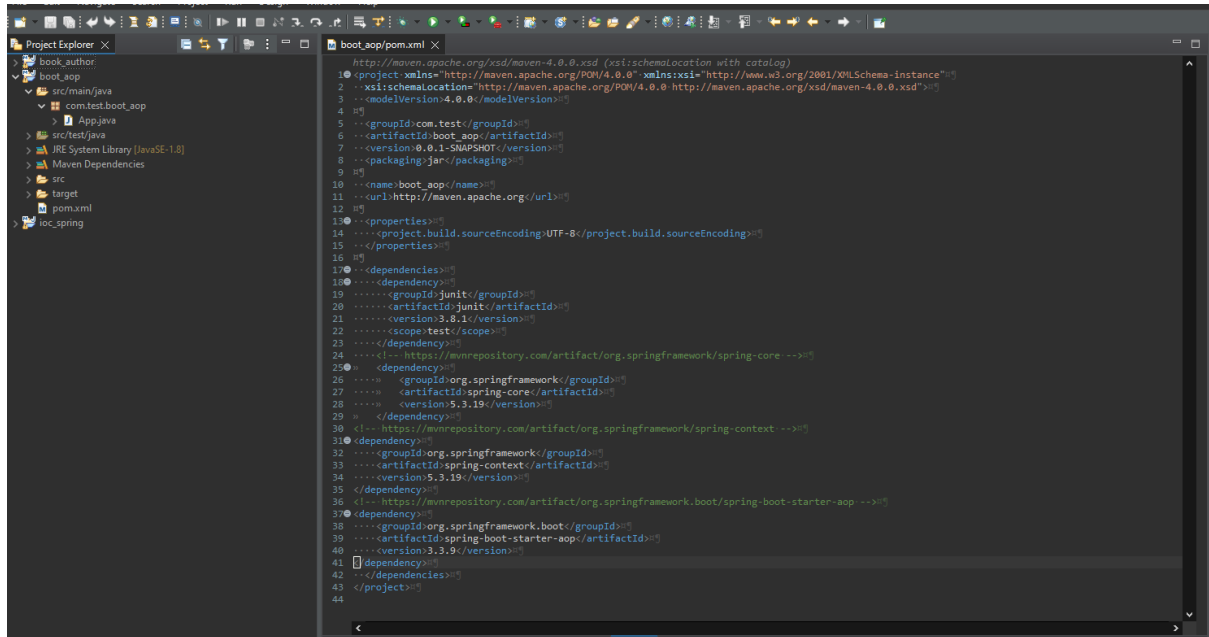
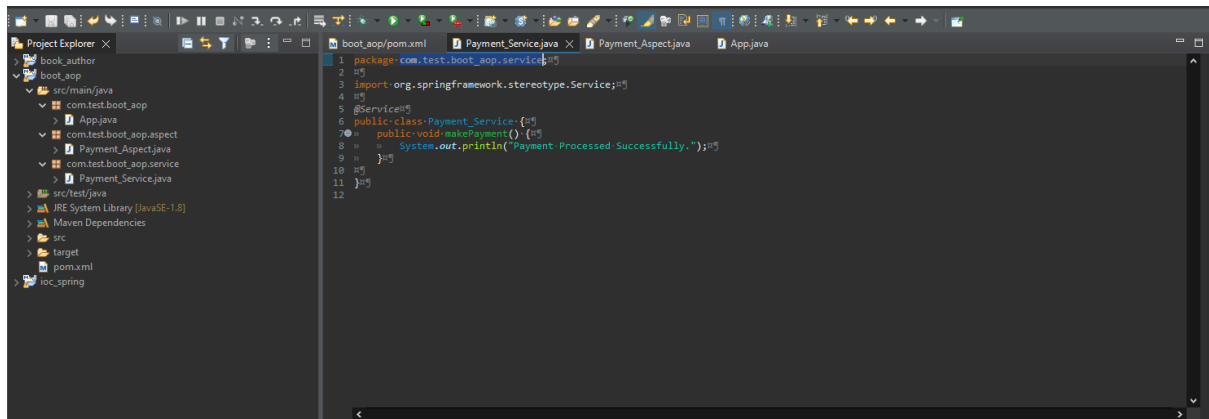


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The screenshot shows an IDE with the Project Explorer on the left and the pom.xml file open in the editor. The Project Explorer shows a project named 'boot_author' with a sub-project 'boot_aop'. The 'boot_aop' project has a 'src/main/java' directory containing 'App.java' and 'com.test.boot_aop'. The 'pom.xml' file is located in the 'boot_aop' project. The editor displays the following XML content:

```
<?xml version="1.0" encoding="UTF-8" ?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <groupId>com.test</groupId>
    <artifactId>boot_aop</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <packaging>jar</packaging>
    <name>boot_aop</name>
    <url>http://maven.apache.org/</url>
    <properties>
        <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    </properties>
    <dependencies>
        <dependency>
            <groupId>junit</groupId>
            <artifactId>junit</artifactId>
            <version>3.8.1</version>
            <scope>test</scope>
        </dependency>
        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-core</artifactId>
            <version>5.3.19</version>
        </dependency>
        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-context</artifactId>
            <version>5.3.19</version>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-aop</artifactId>
            <version>3.3.9</version>
        </dependency>
    </dependencies>
</project>
```



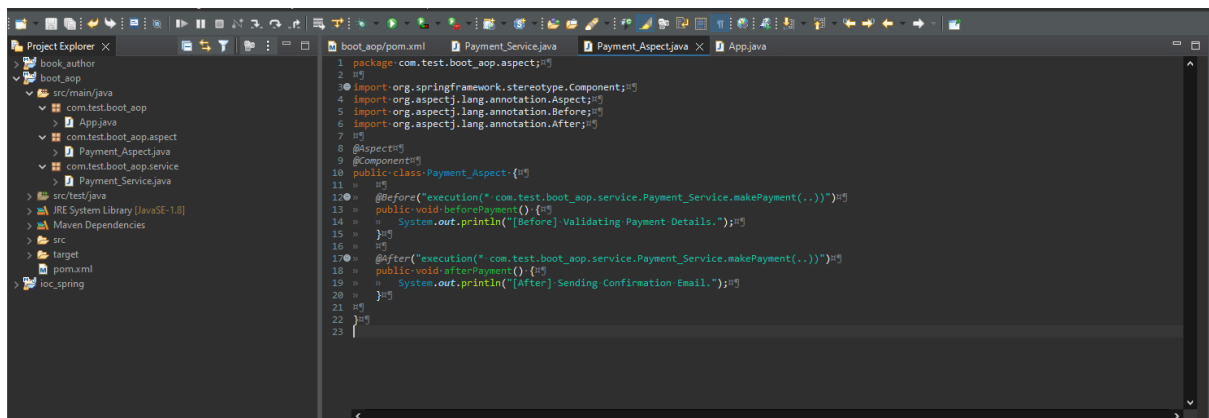
The screenshot shows the same IDE with the Project Explorer on the left and the Payment_Service.java file open in the editor. The Project Explorer shows the 'boot_aop' project with a 'src/main/java' directory containing 'App.java', 'com.test.boot_aop.aspect', 'com.test.boot_aop.service', and 'Payment_Service.java'. The 'Payment_Service.java' file is located in the 'boot_aop' project. The editor displays the following Java code:

```
package com.test.boot_aop.service;

import org.springframework.stereotype.Service;

@Service
public class Payment_Service {

    public void makePayment() {
        System.out.println("Payment Processed Successfully.");
    }
}
```



The screenshot shows the same IDE with the Project Explorer on the left and the Payment_Aspect.java file open in the editor. The Project Explorer shows the 'boot_aop' project with a 'src/main/java' directory containing 'App.java', 'com.test.boot_aop.aspect', 'Payment_Aspect.java', and 'Payment_Service.java'. The 'Payment_Aspect.java' file is located in the 'boot_aop' project. The editor displays the following Java code:

```
package com.test.boot_aop.aspect;

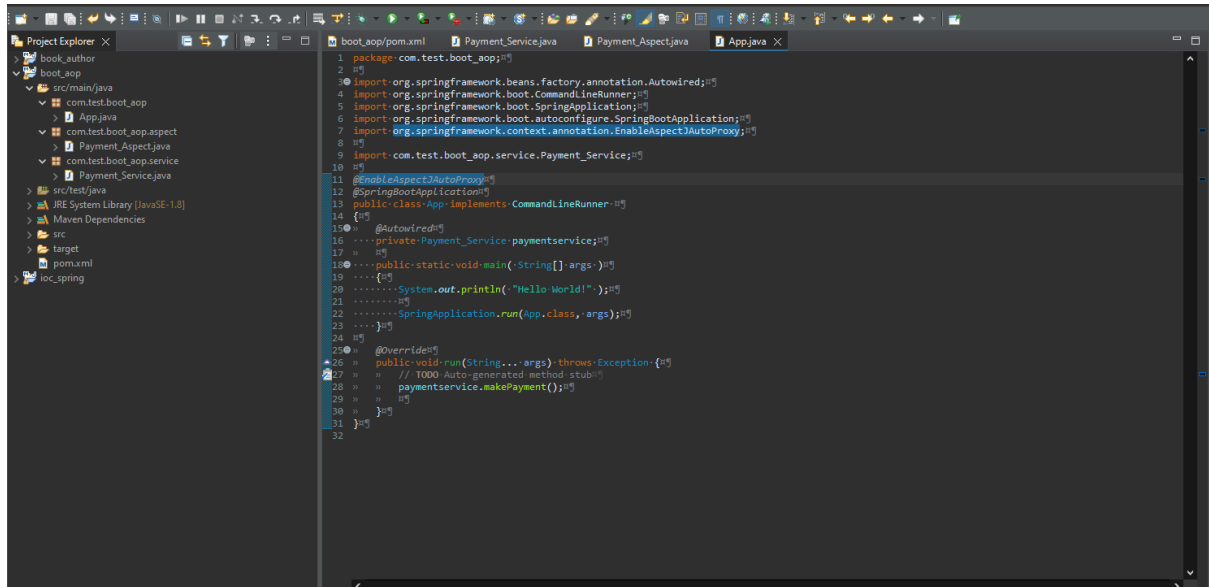
import org.springframework.stereotype.Component;
import org.aspectj.lang.annotation.Aspect;
import org.aspectj.lang.annotation.Before;
import org.aspectj.lang.annotation.After;

@Aspect
@Component
public class Payment_Aspect {

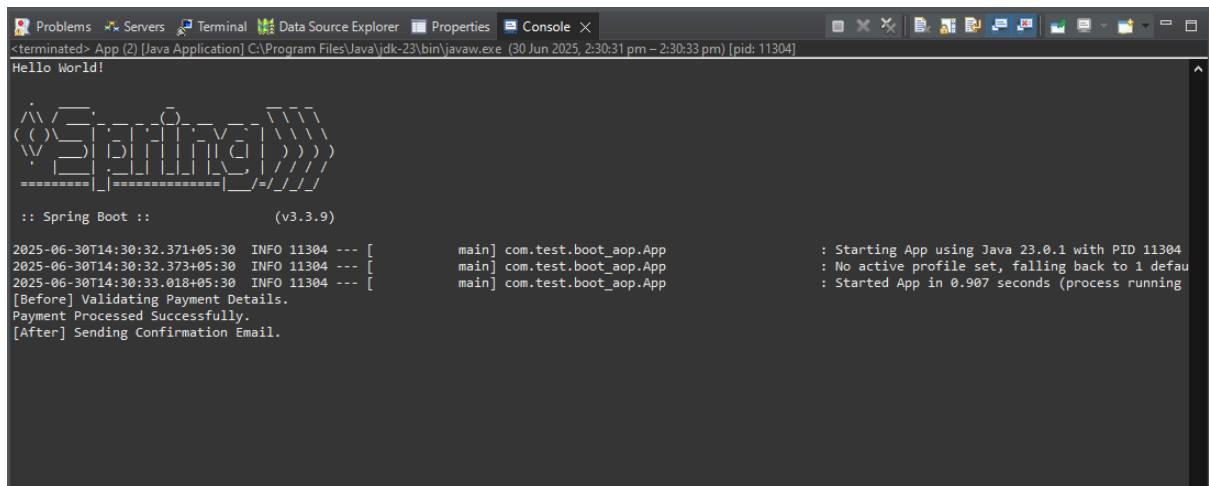
    @Before("execution(* com.test.boot_aop.service.Payment_Service.makePayment(..))")
    public void beforePayment() {
        System.out.println("[Before] Validating Payment Details.");
    }

    @After("execution(* com.test.boot_aop.service.Payment_Service.makePayment(..))")
    public void afterPayment() {
        System.out.println("[After] Sending Confirmation Email.");
    }
}
```

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```
1 package com.test.boot_aop;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4 import org.springframework.boot.CommandLineRunner;
5 import org.springframework.boot.SpringApplication;
6 import org.springframework.boot.autoconfigure.SpringBootApplication;
7 import org.springframework.context.annotation.EnableAspectJAutoProxy;
8
9 import com.test.boot_aop.service.Payment_Service;
10
11 @EnableAspectJAutoProxy
12 @SpringBootApplication
13 public class App implements CommandLineRunner {
14     @Autowired
15     private Payment_Service paymentService;
16
17     public static void main(String[] args) {
18         SpringApplication.run(App.class, args);
19     }
20
21     @Override
22     public void run(String... args) throws Exception {
23         // TODO Auto-generated method stub
24         paymentService.makePayment();
25     }
26 }
27
```



```
<terminated> App (2) [Java Application] C:\Program Files\Java\jdk-23\bin\javaw.exe (30 Jun 2025, 2:30:31 pm - 2:30:33 pm) [pid: 11304]
Hello World!

:: Spring Boot :: (v3.3.9)

2025-06-30T14:30:32.371+05:30 INFO 11304 --- [main] com.test.boot_aop.App : Starting App using Java 23.0.1 with PID 11304
2025-06-30T14:30:32.373+05:30 INFO 11304 --- [main] com.test.boot_aop.App : No active profile set, falling back to 1 default profile
2025-06-30T14:30:33.018+05:30 INFO 11304 --- [main] com.test.boot_aop.App : Started App in 0.907 seconds (process running)
[Before] Validating Payment Details.
Payment Processed Successfully.
[After] Sending Confirmation Email.
```