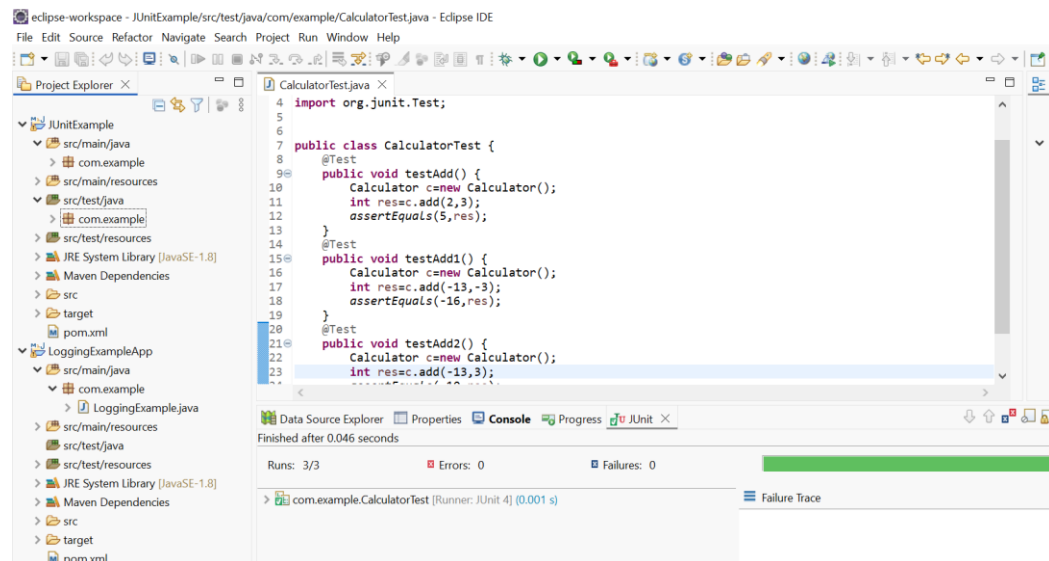
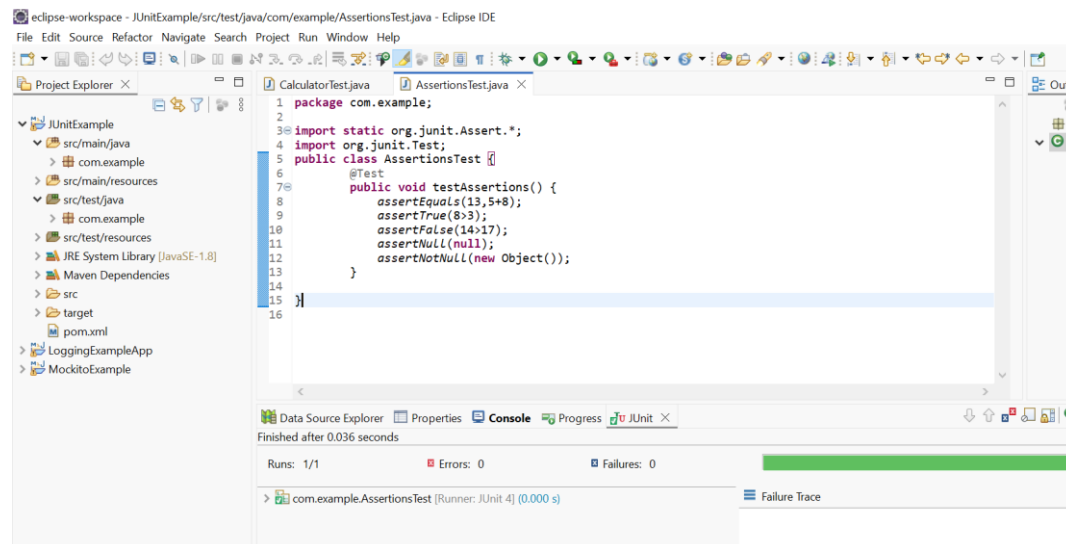


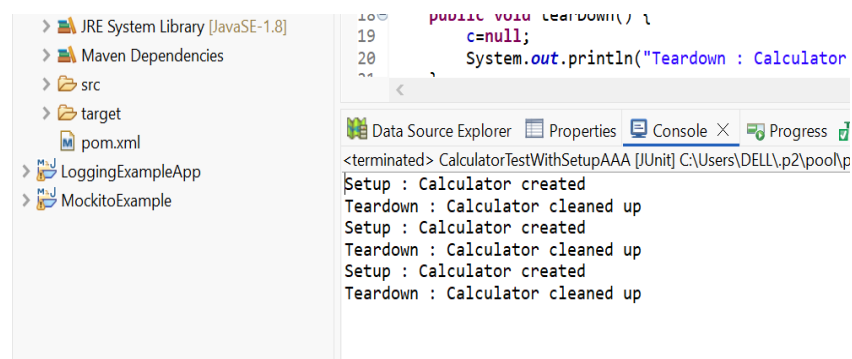
Setting Up Junit

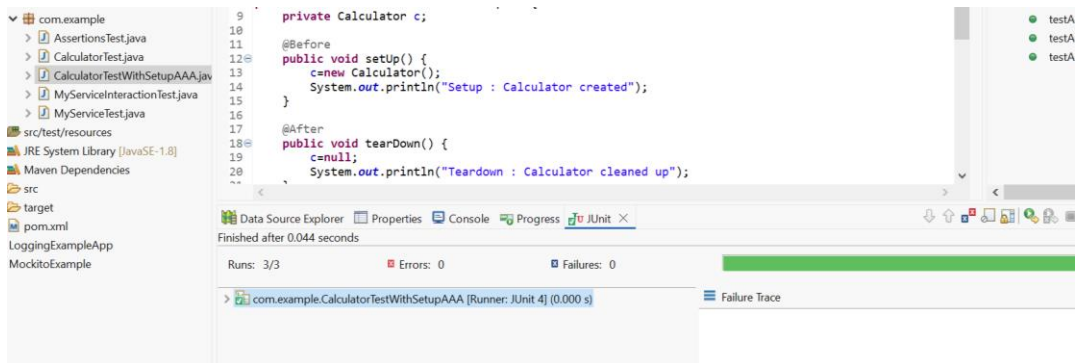


Assertions in JUnit

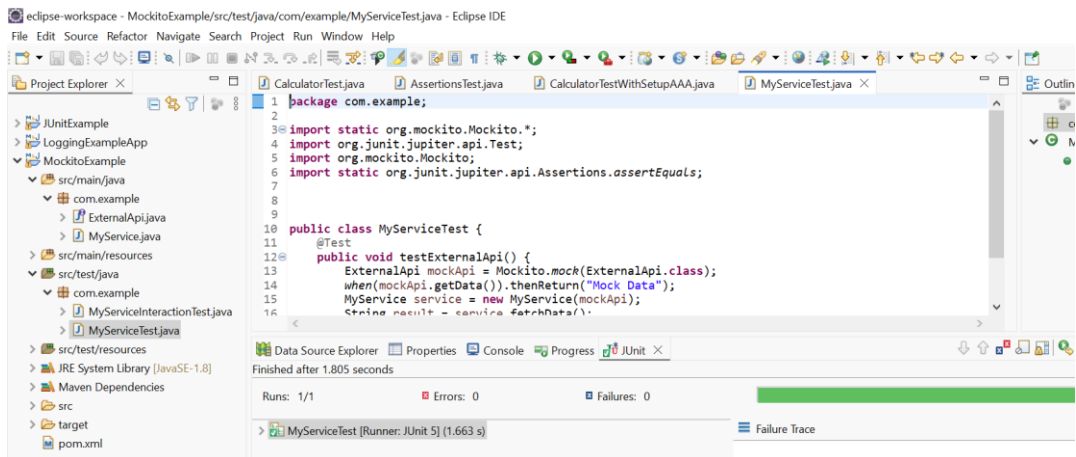


Arrange-Act-Assert (AAA)

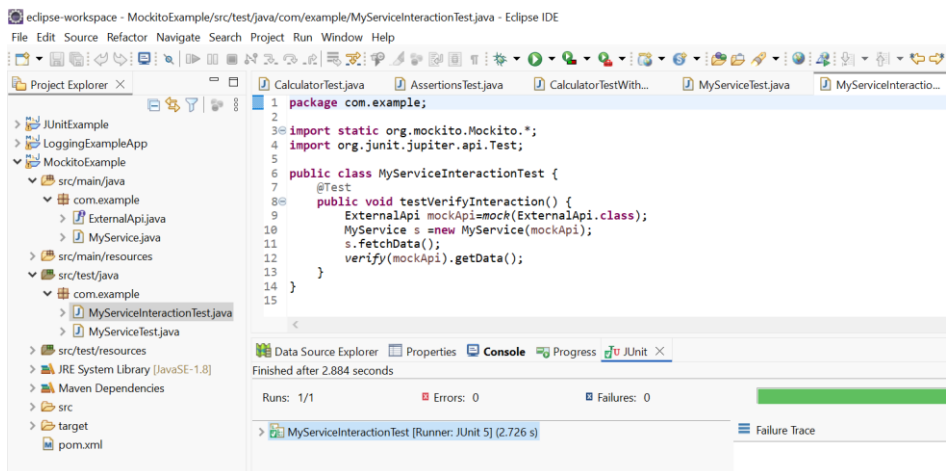




Mocking and Stubbing



Verifying Interactions



Logging Error Messages and Warning Levels

The screenshot displays the Eclipse IDE interface. On the left, the Project Explorer shows a project named 'JUnitExample' with a package 'com.example' containing 'LoggingExample.java'. The main editor shows the code for 'MyServiceInteractionTest.java', which includes imports for Mockito and JUnit, and a test method 'testVerifyInteraction()'. The bottom console shows the output of the application, including an error message and a warning message.

```
package com.example;

import static org.mockito.Mockito.*;
import org.junit.jupiter.api.Test;

public class MyServiceInteractionTest {
    @Test
    public void testVerifyInteraction() {
        ExternalApi mockApi = mock(ExternalApi.class);
        MyService s = new MyService(mockApi);
        s.fetchData();
        verify(mockApi).getData();
    }
}
```

Console Output:

```
<terminated> LoggingExample [Java Application] C:\Users\DELL\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.7.v20250502-0916\jre\bin\javaw.exe (27-Jun-2025, 21:52:03.726 [main] ERROR com.example.LoggingExample - This is an error message
21:52:03.732 [main] WARN com.example.LoggingExample - This is a warning message
```