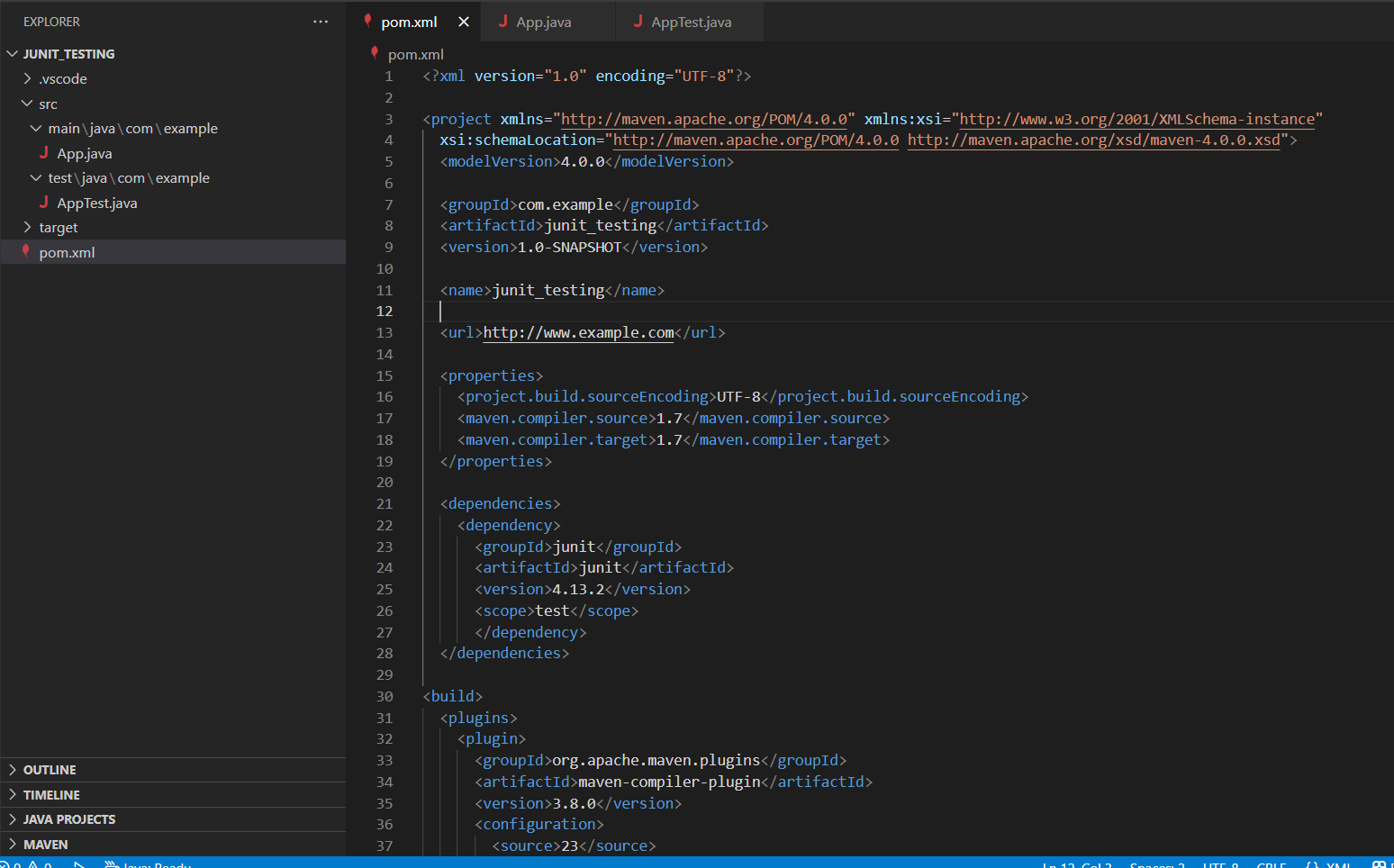
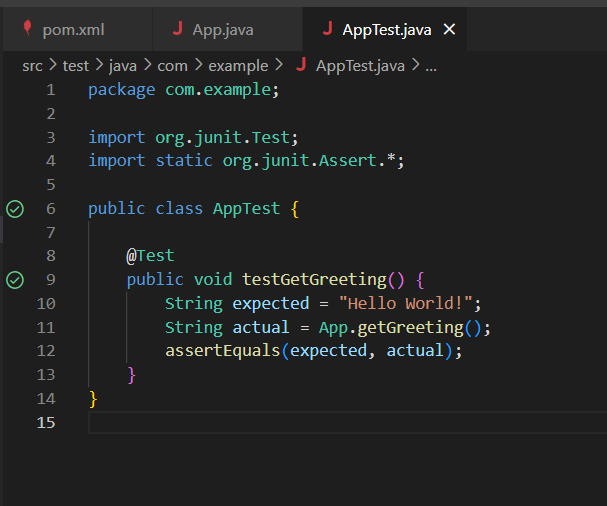
**WEEK 2**

**JUNIT TESTING EXERCISES**

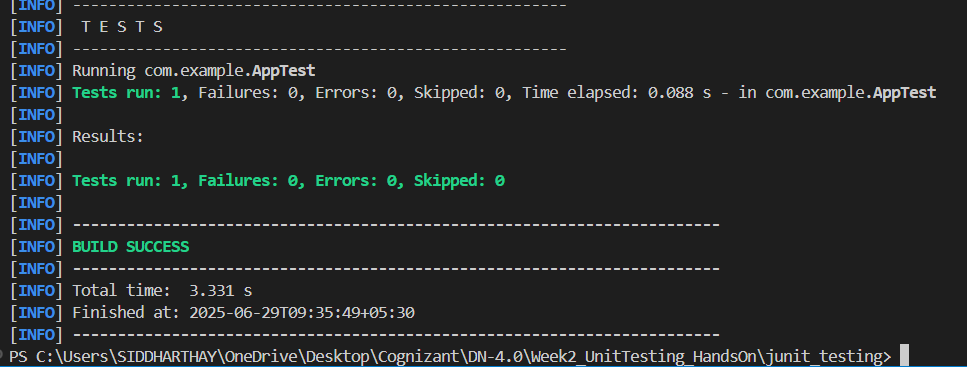
**Exercise 1: Setting Up JUnit**

**Set Up** :

****

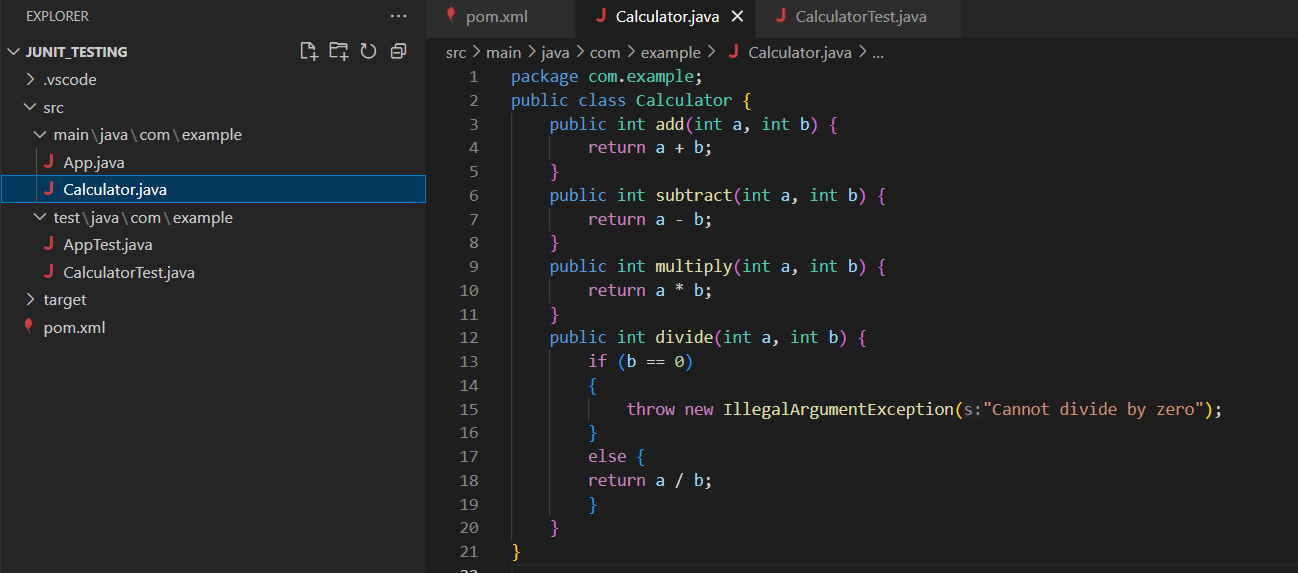
** **

**Test Results:**

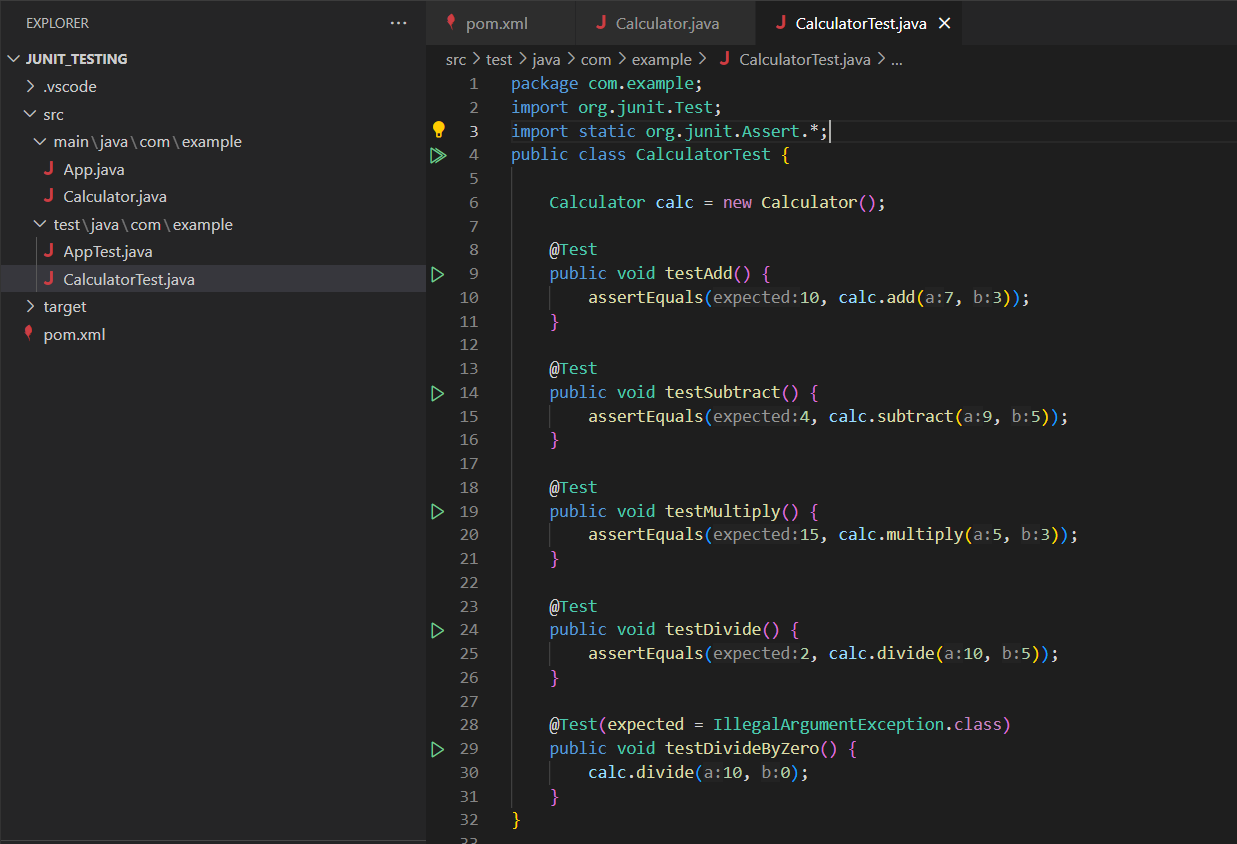
****

**Exercise 2: Writing Basic JUnit Tests**

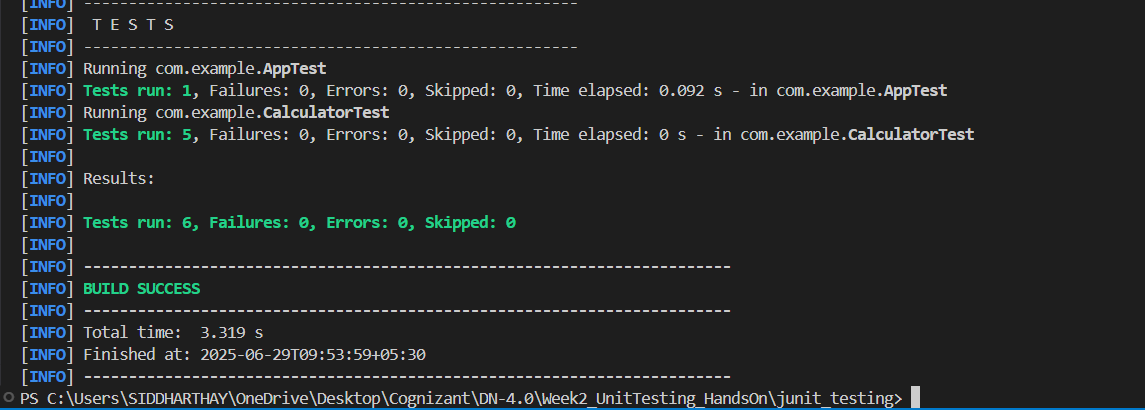
**Creating Java main class:**

****

**Creating test class:**

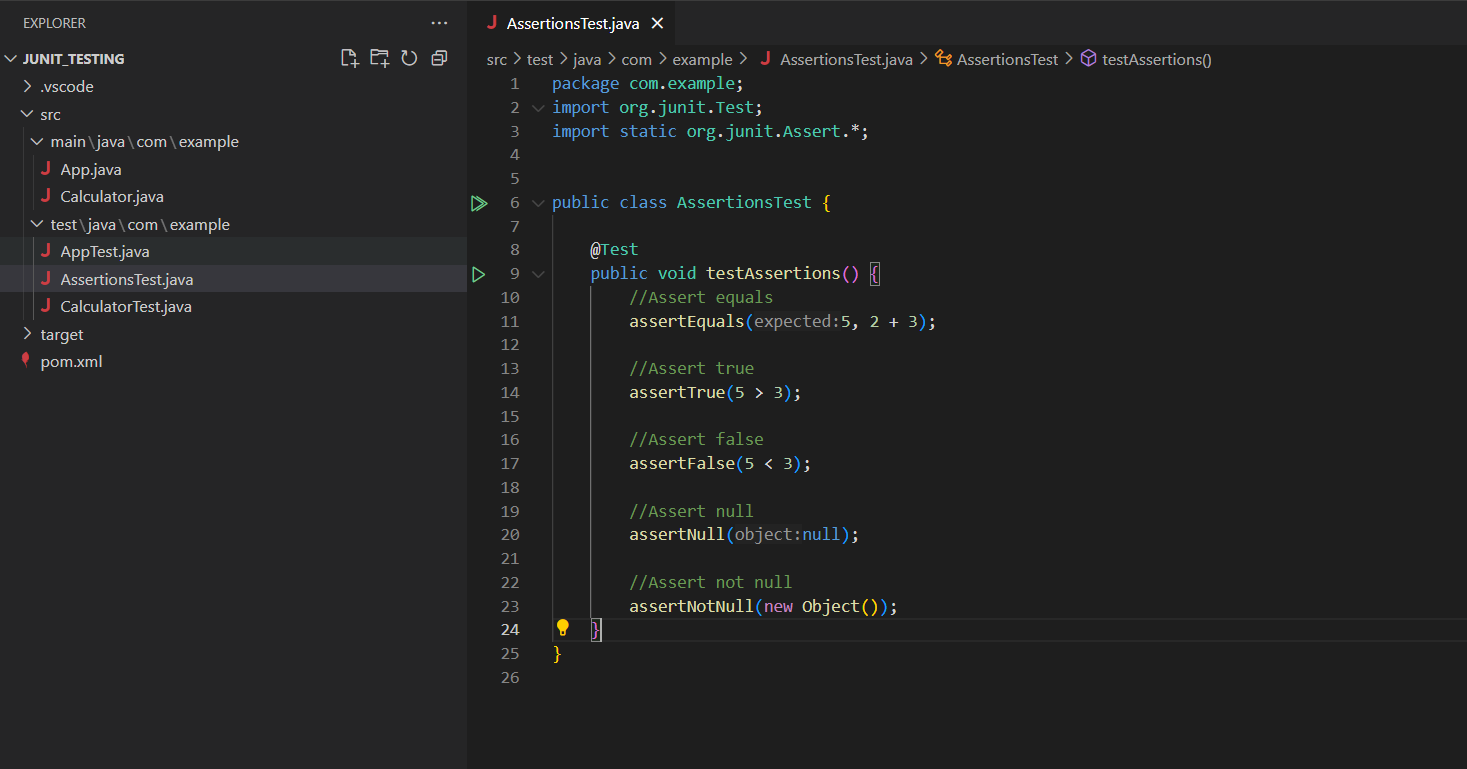
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**Test Results:**

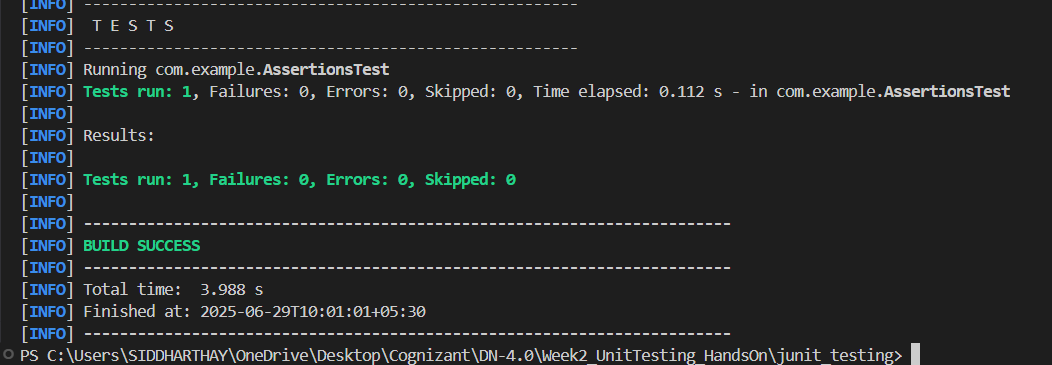
****

**Exercise 3: Assertions in JUnit**

**Creating AssertionsTest Class:**

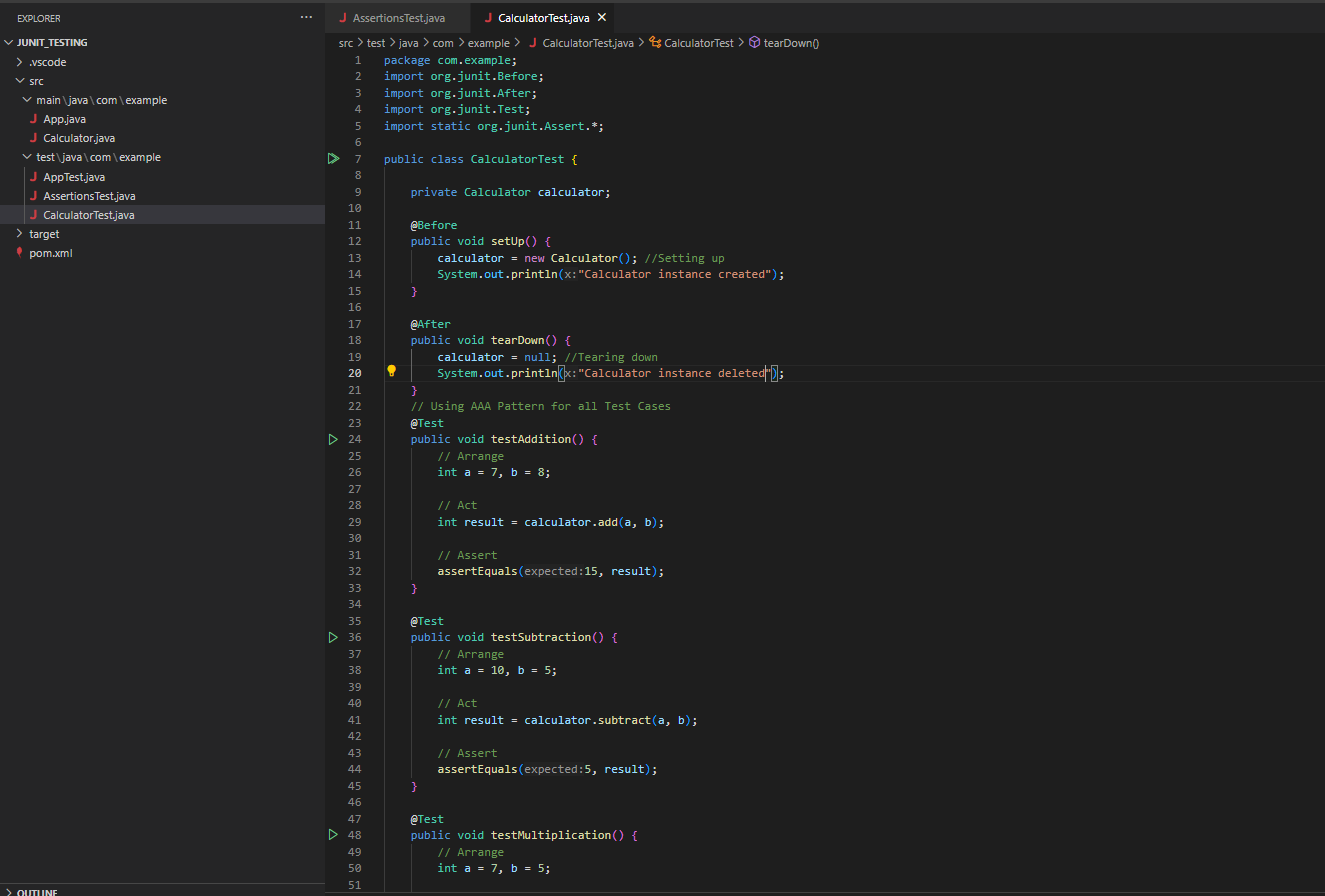
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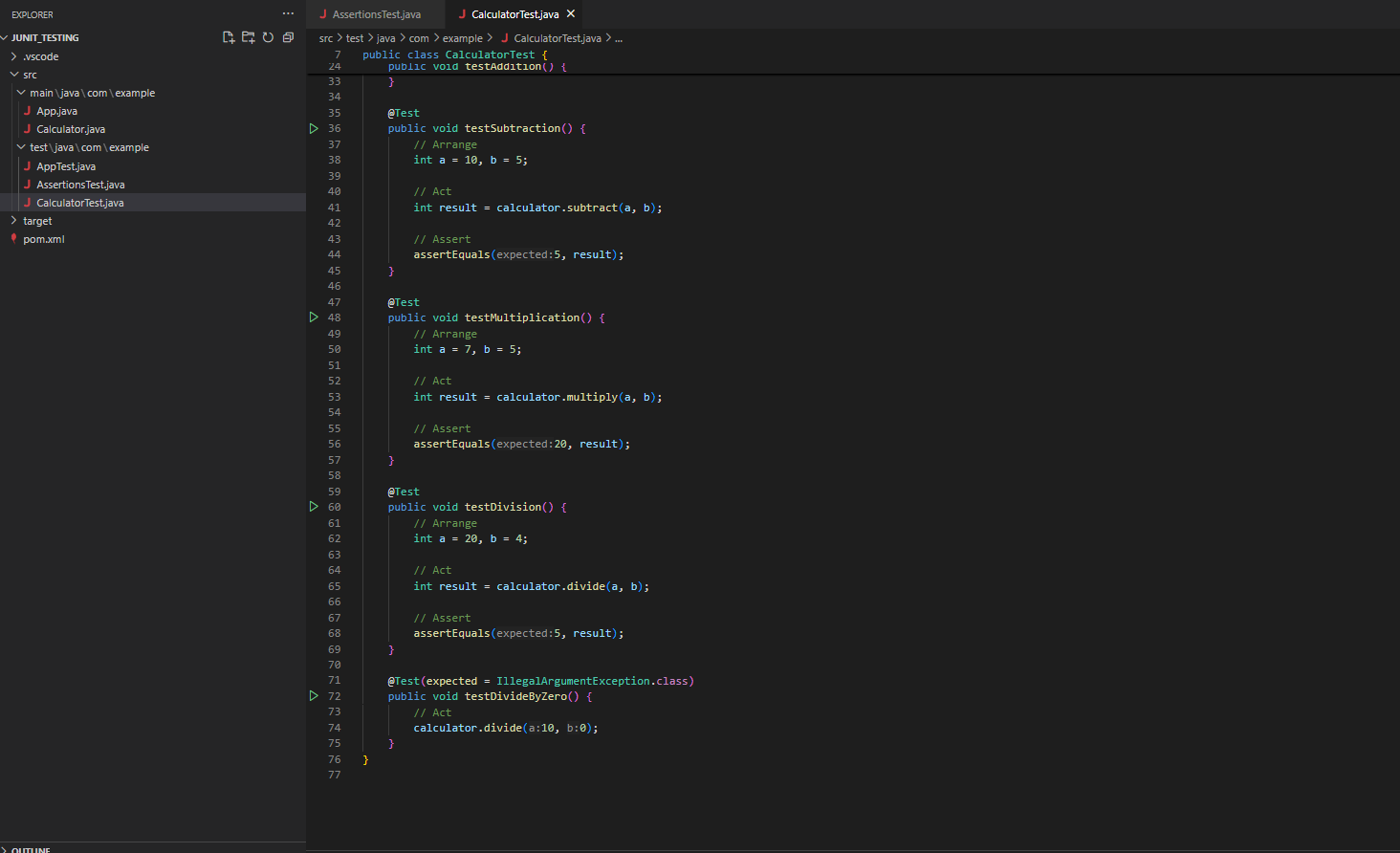
**Test Results:**

****

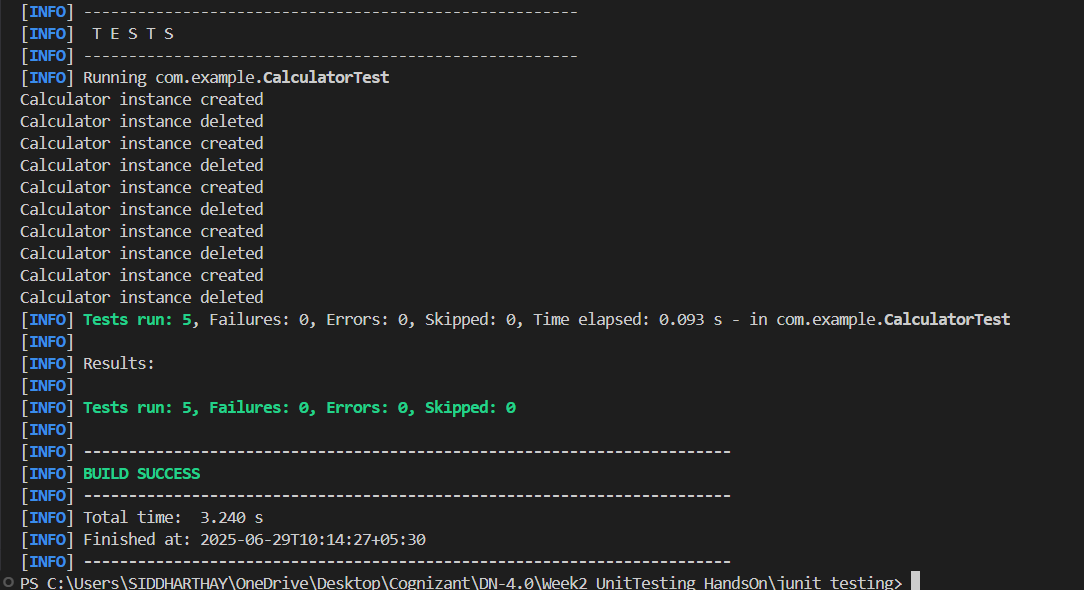
**Exercise 4: Arrange-Act-Assert (AAA) Pattern, Test Fixtures, Setup and Teardown Methods in JUnit**

**Test Fixtures, Setup, Teardown methods using AAA Pattern:**

****

****

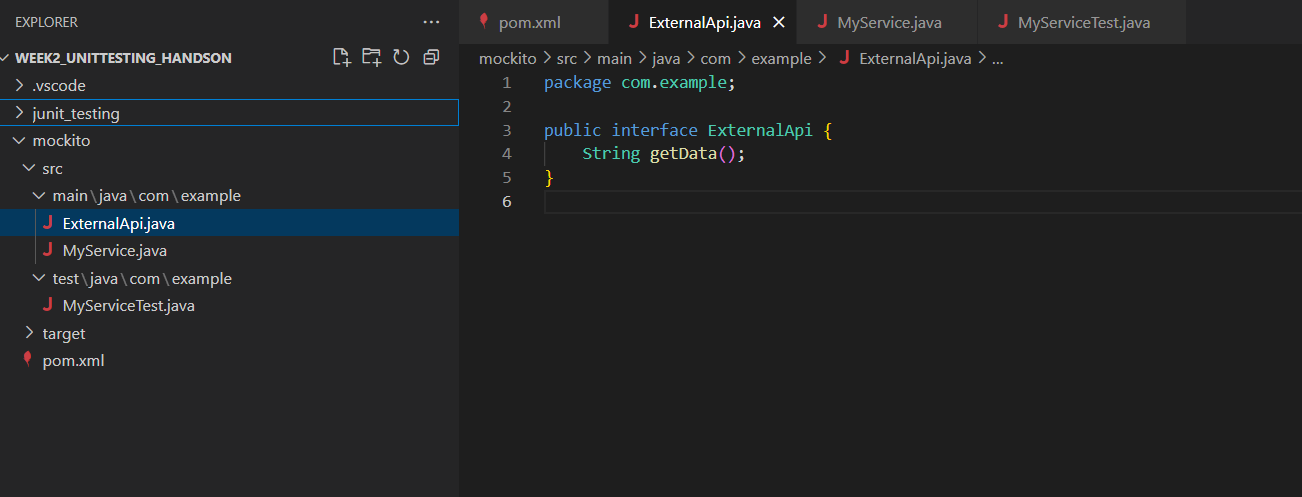
**Test Results:**

****

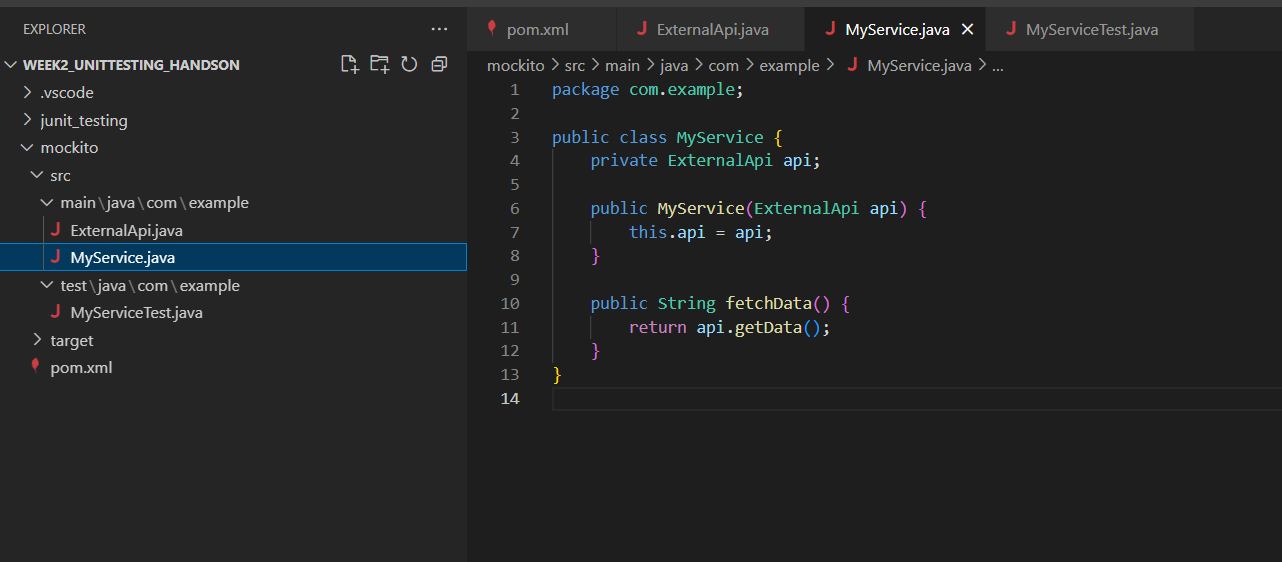
**MOCKITO EXERCISES**

**Exercise 1: Mocking and Stubbing** (using the solution codes given in exercises)

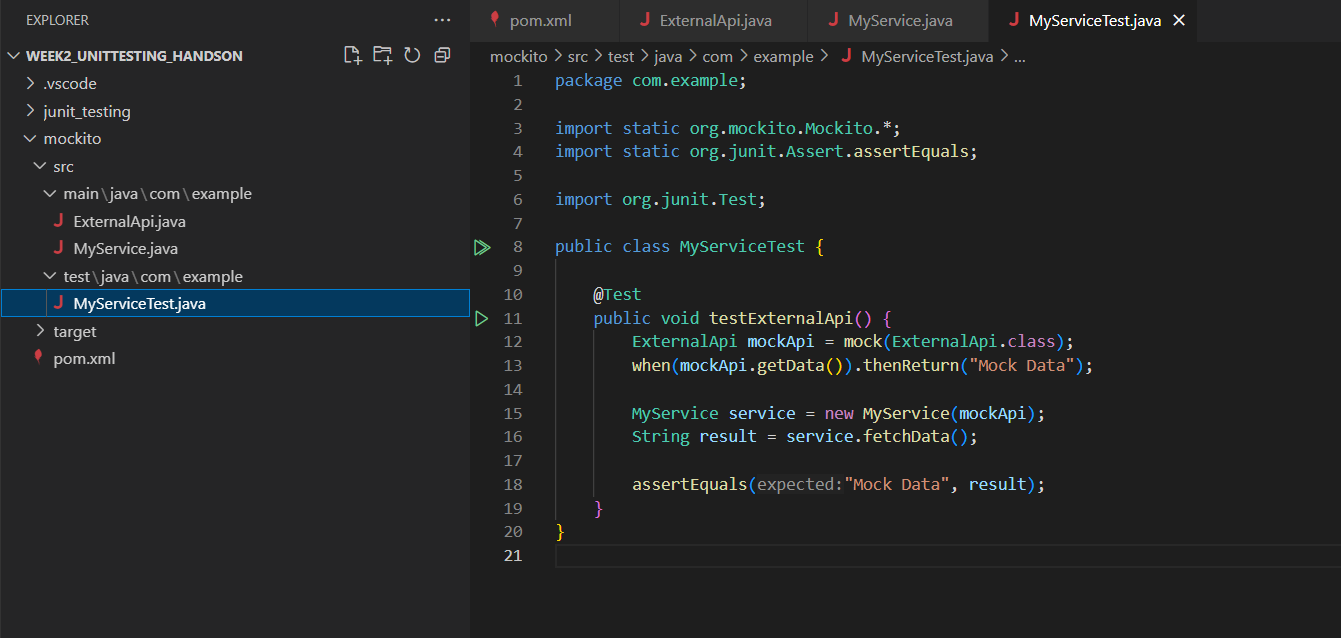
**External API:**

****

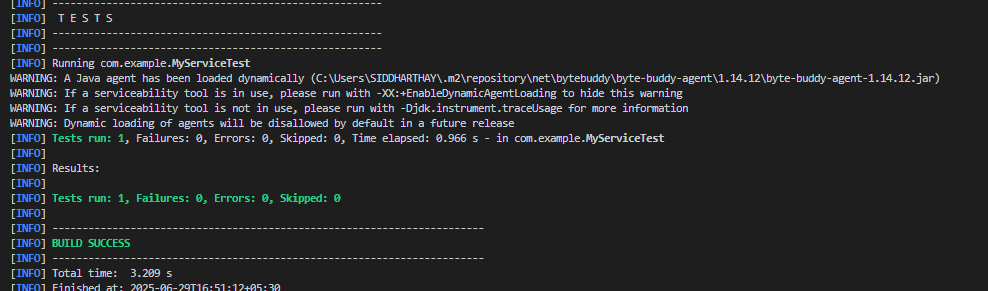
**Stubbing:**

****

**Mocking and Verfying:**

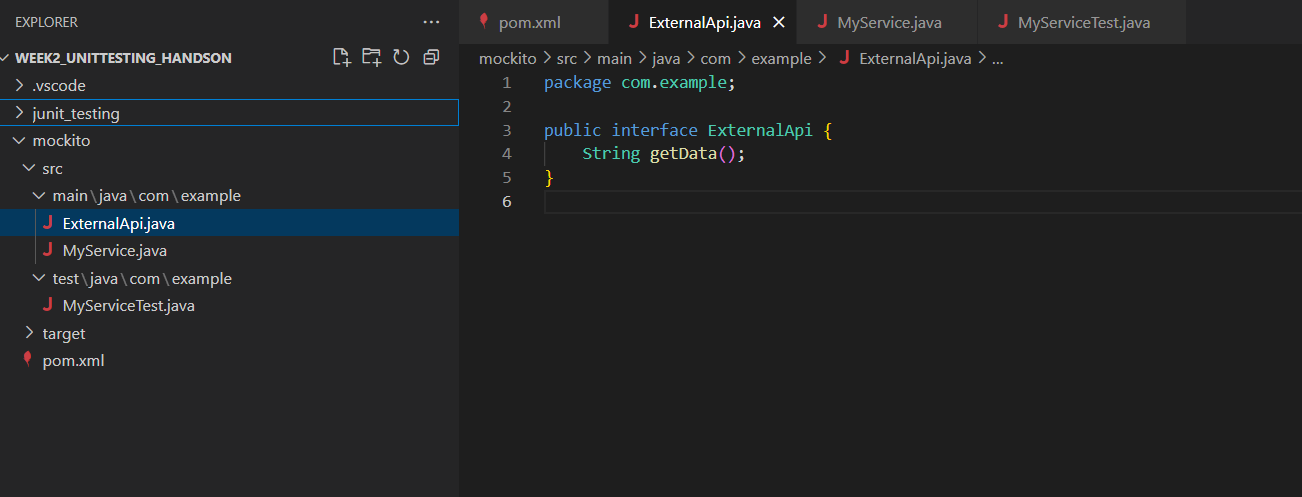
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**Test Results:**

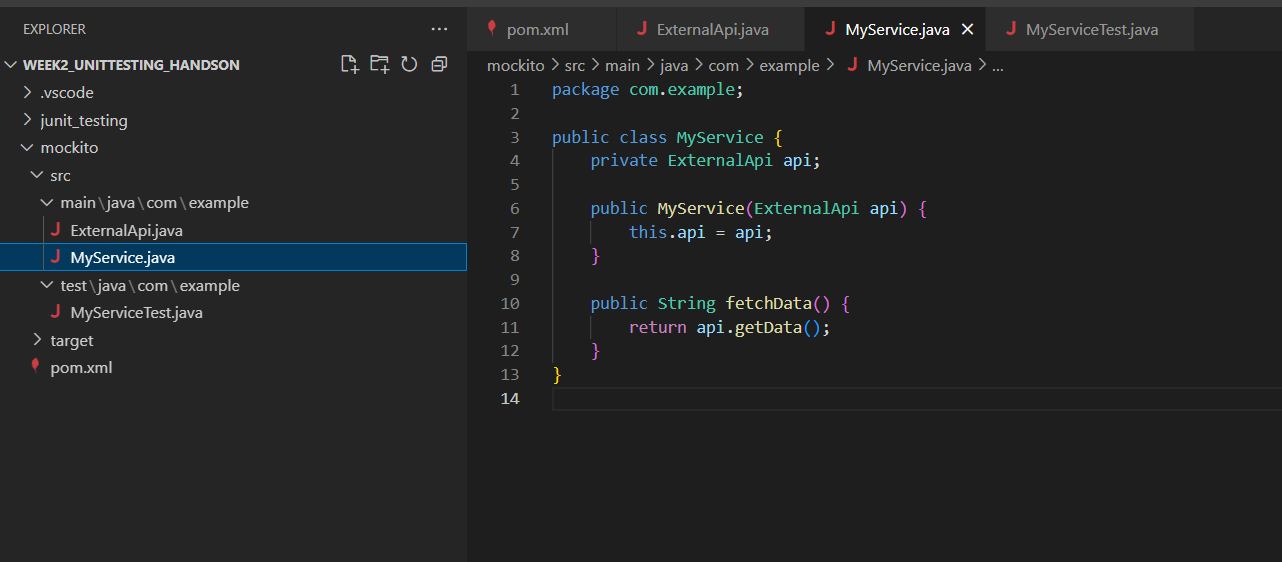
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**Exercise 2: Verifying Interactions**

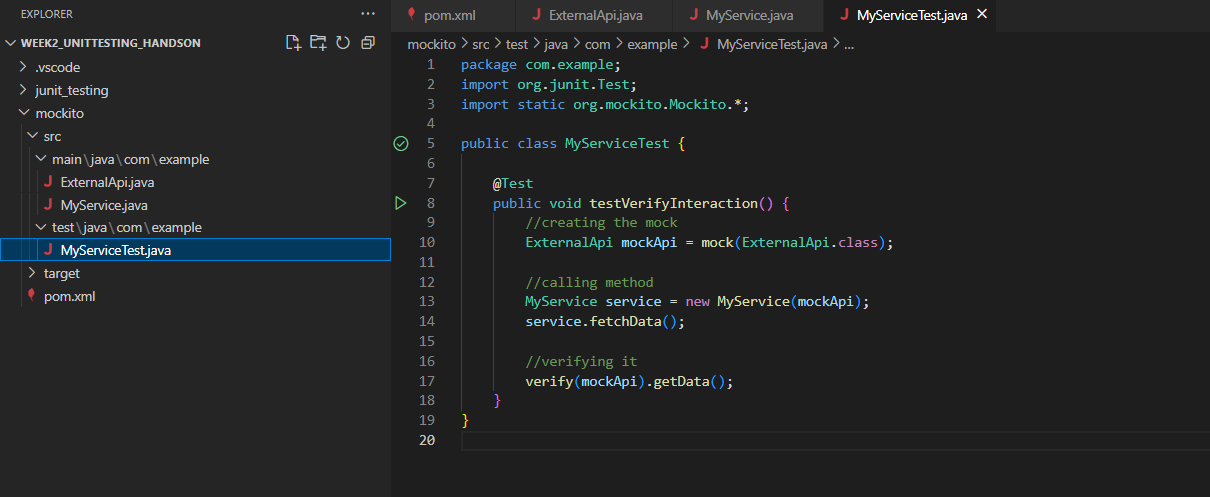
**External API:**

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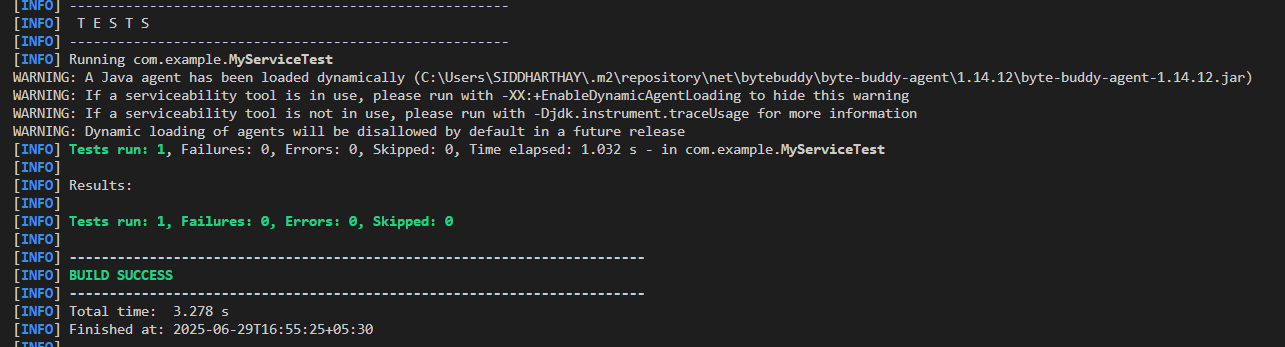
**Stubbing:**

****

**Mocking and Verfying:**

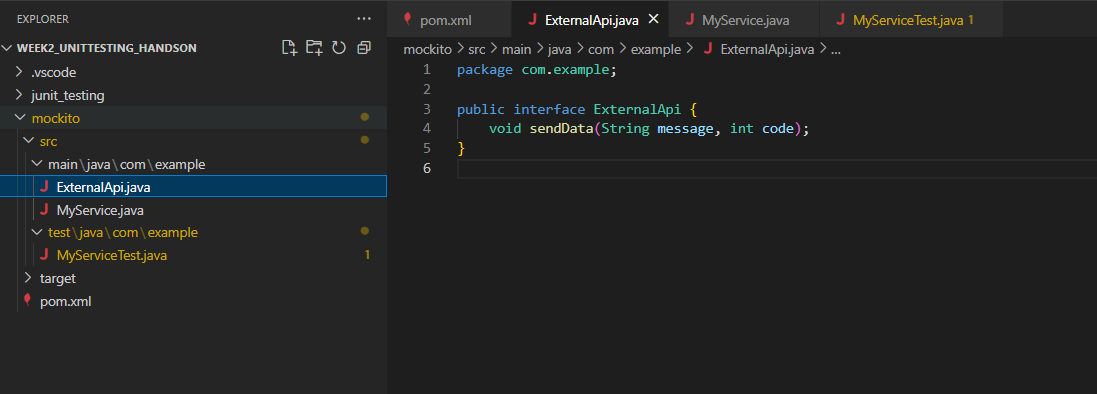
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**Test Results:**

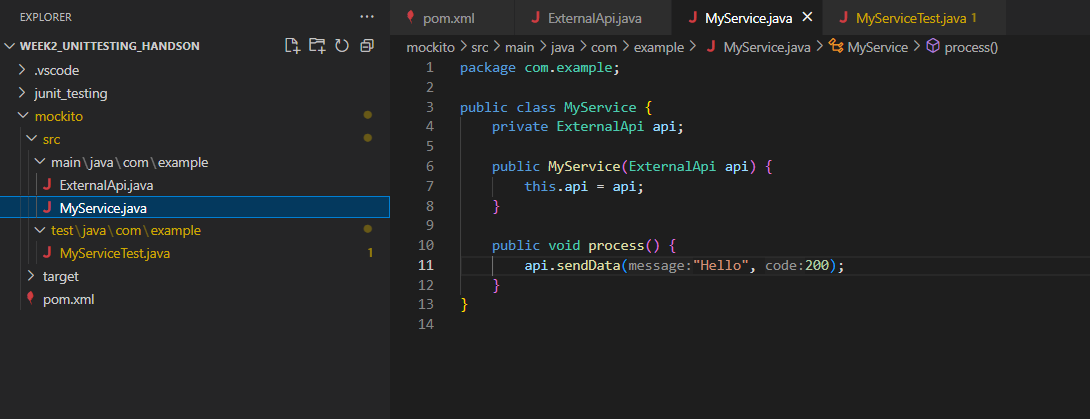
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**Exercise 3: Argument Matching**

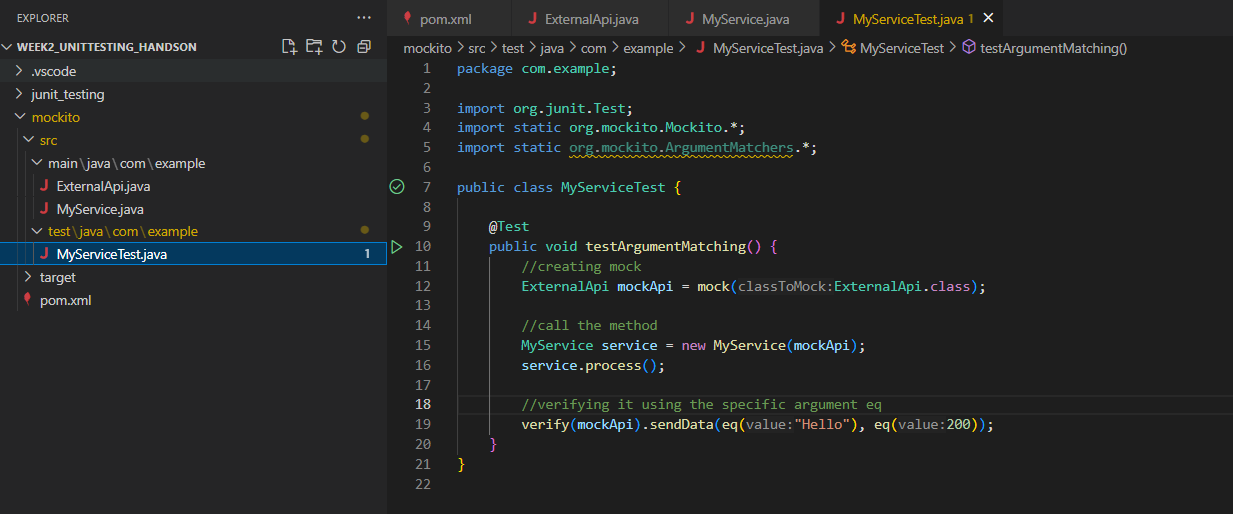
**External API:**

****

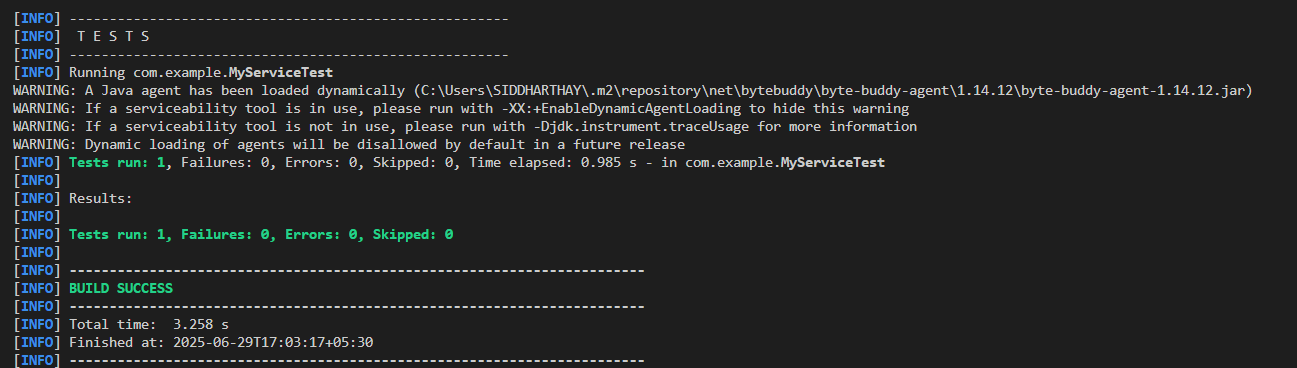
**Stubbing:**

****

**Mocking and Verfying:**

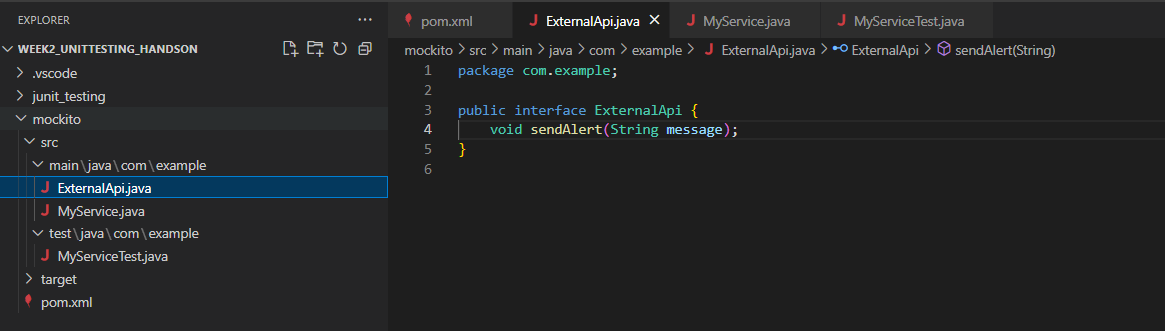
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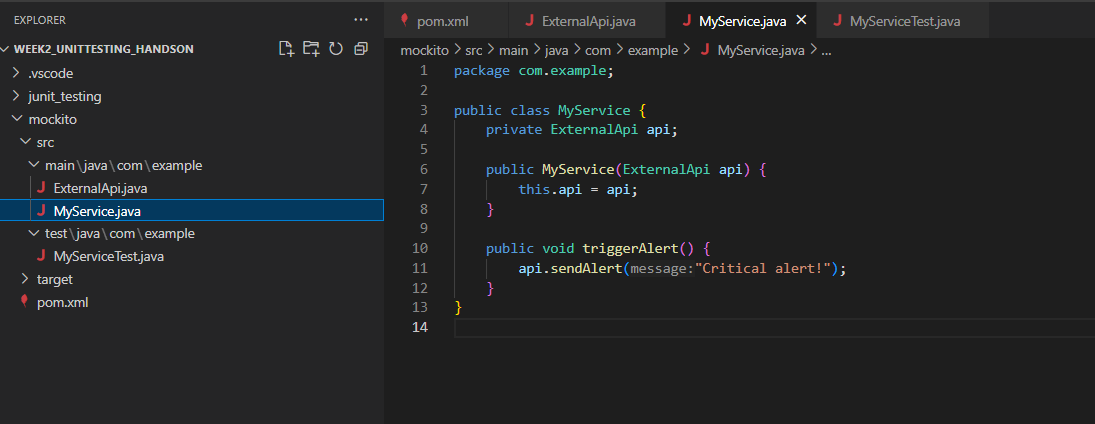
**Test Results:**

****

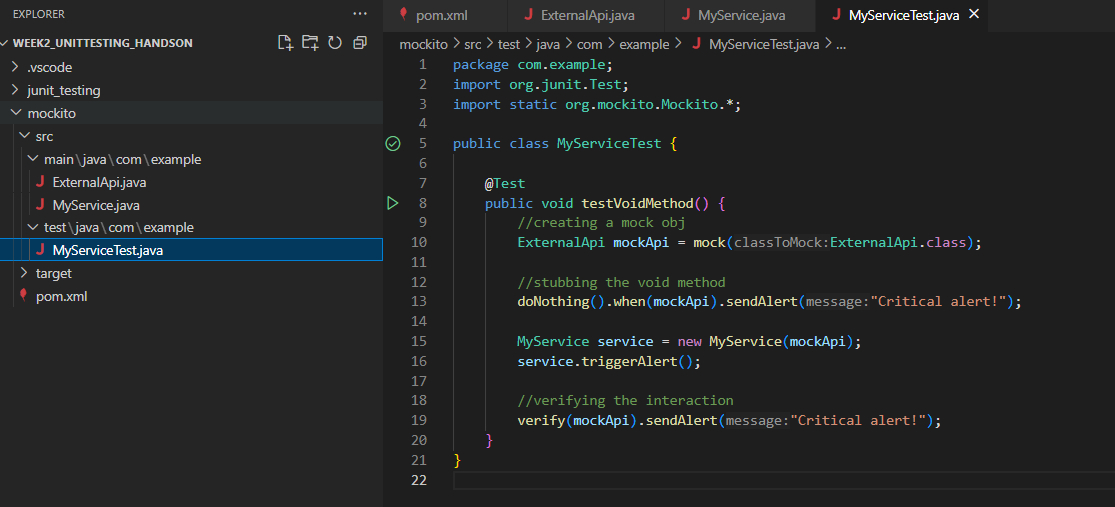
**Exercise 4: Handling Void Methods**

**External API:**

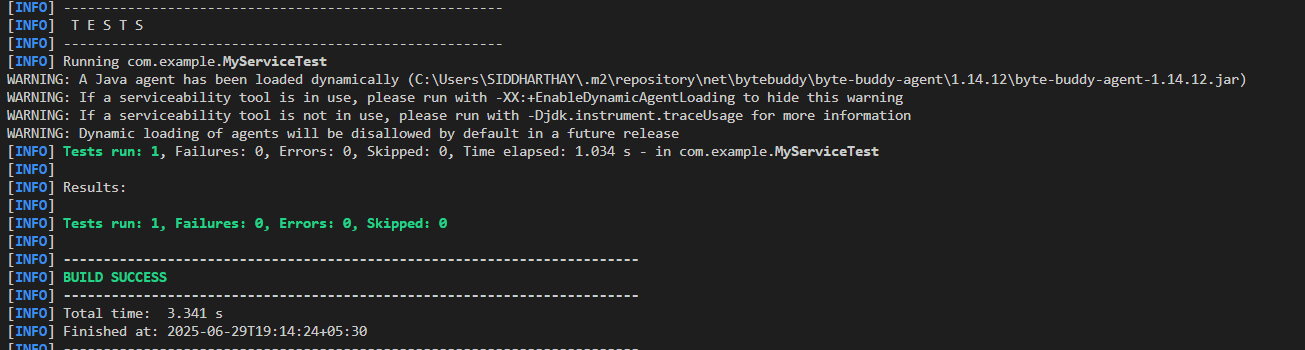
****

****

**Mocking, Stubbing and Verifying:**

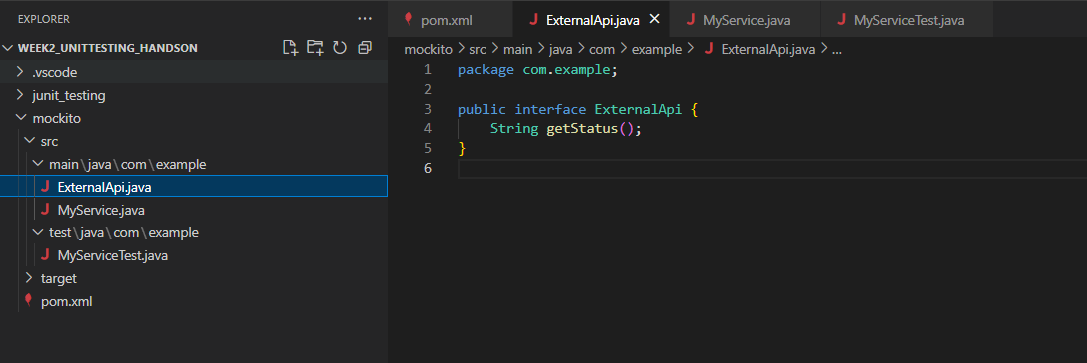
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**Test Results:**

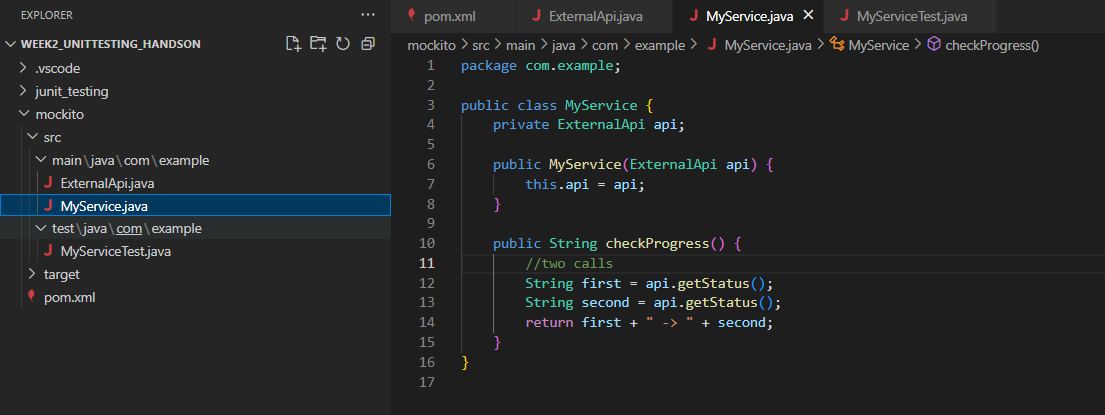
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**Exercise 5: Mocking and Stubbing with Multiple Returns**

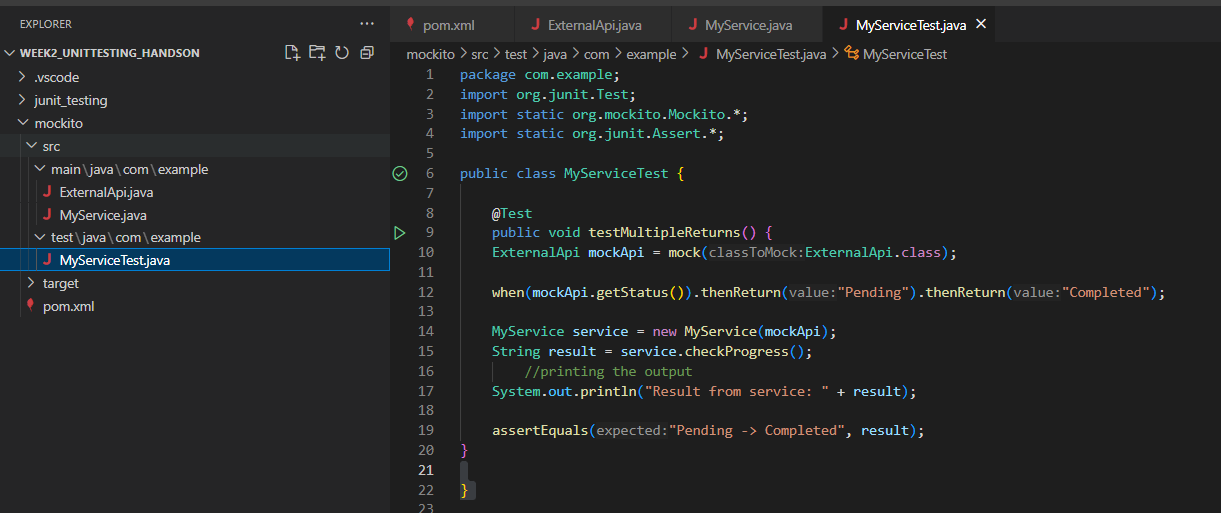
**External API:**

****

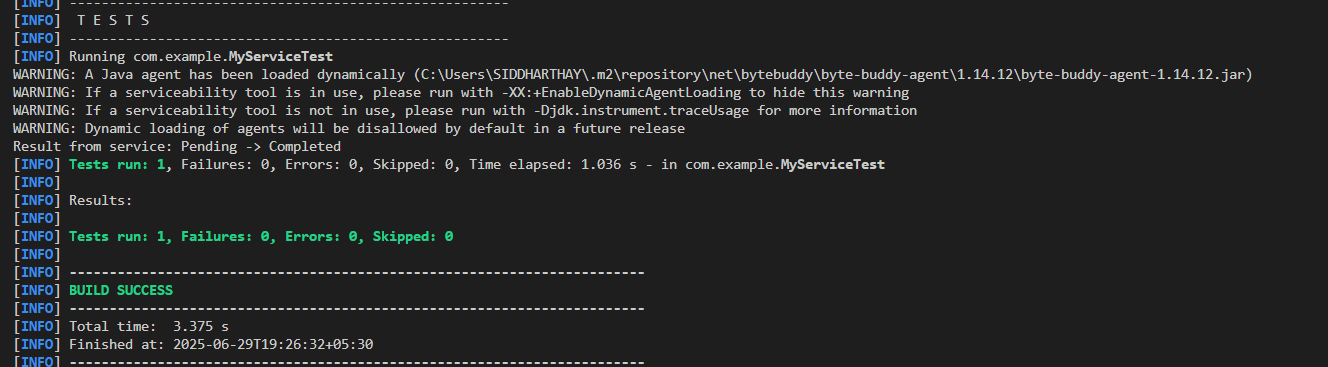
**Stubbing:**

****

**Testing:**

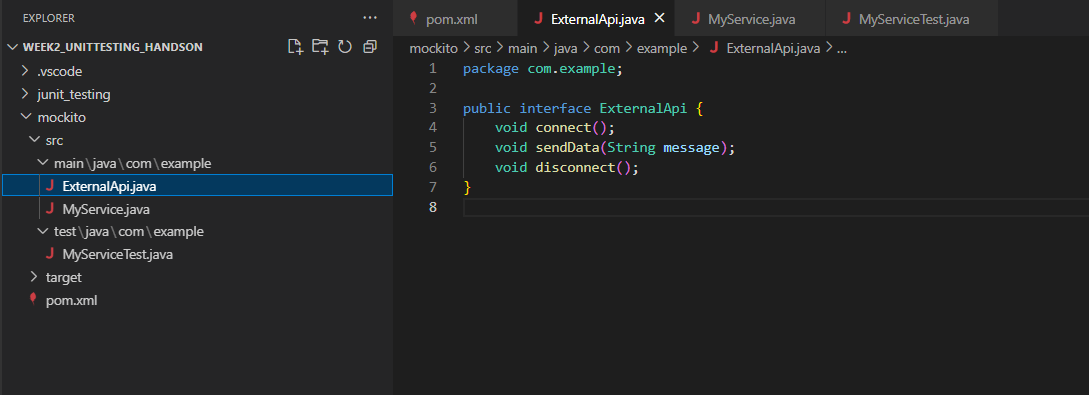
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**Test Results:**

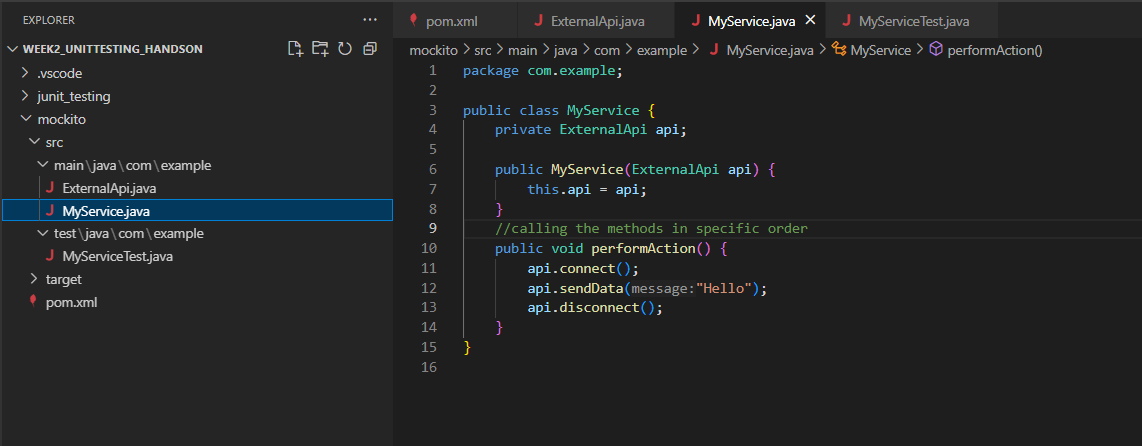
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**Exercise 6: Verifying Interaction Order**

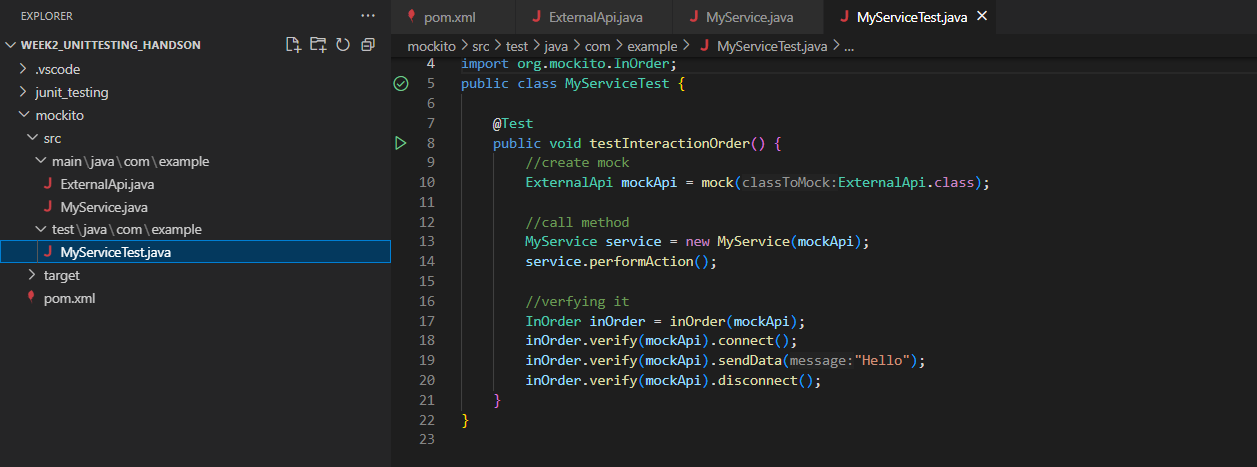
**External API:**

****

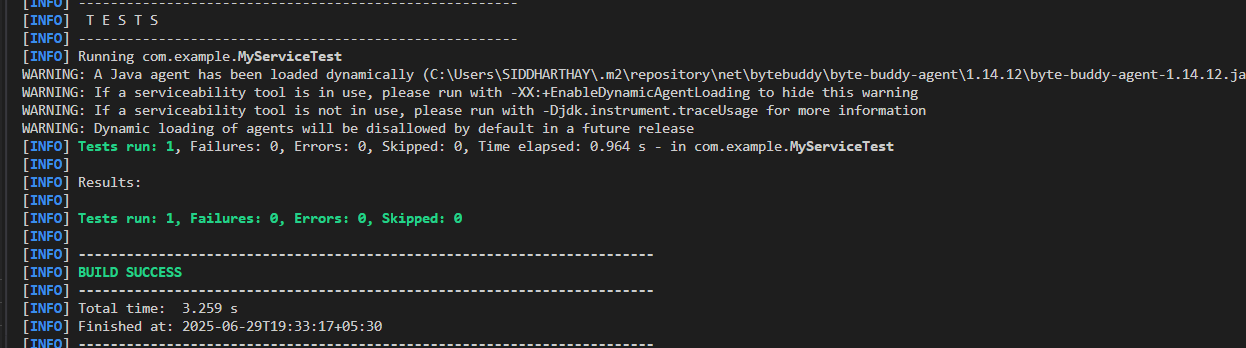
**Stubbing:**

****

**Testing/Verifying:**

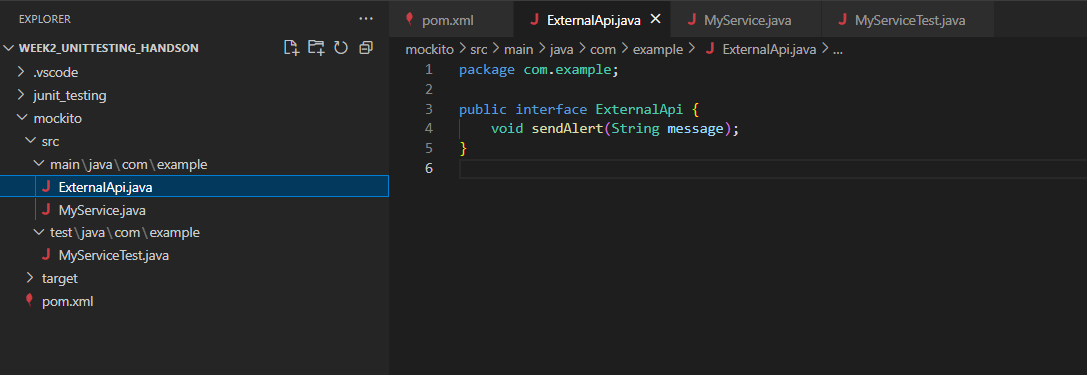
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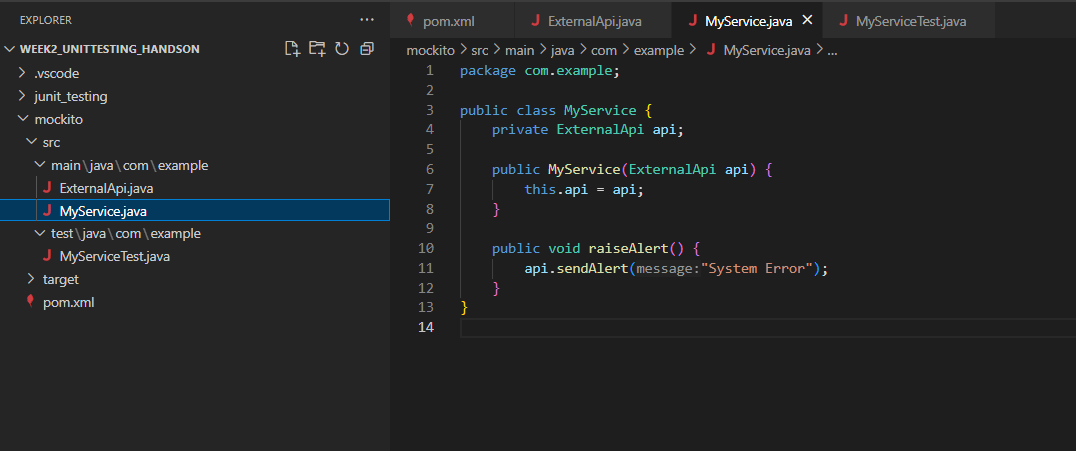
**Test Results:**

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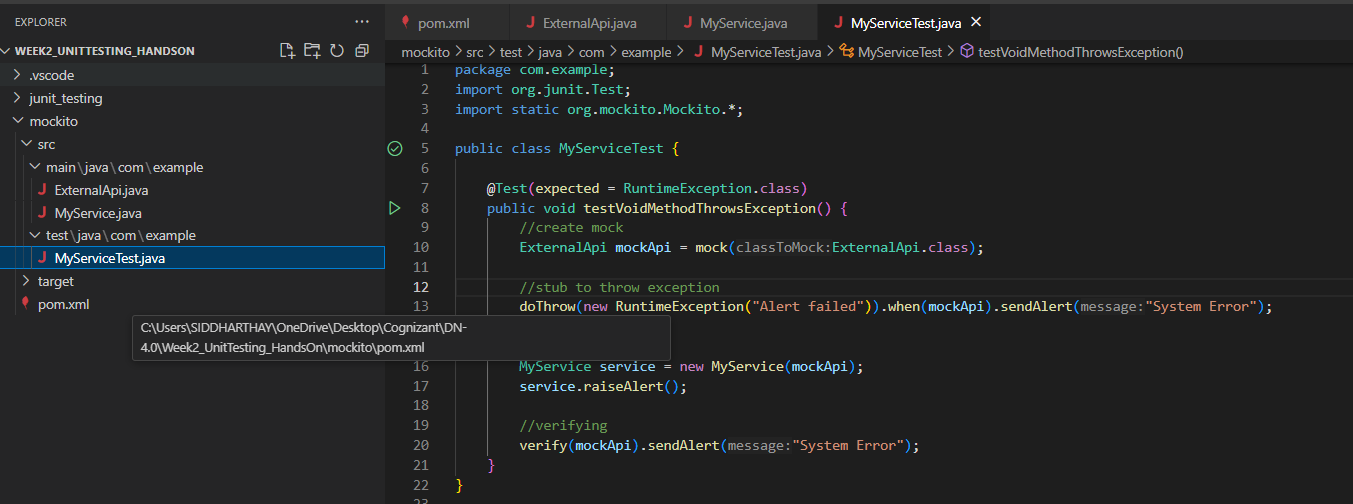
**Exercise 7: Handling Void Methods with Exceptions**

**External API:**

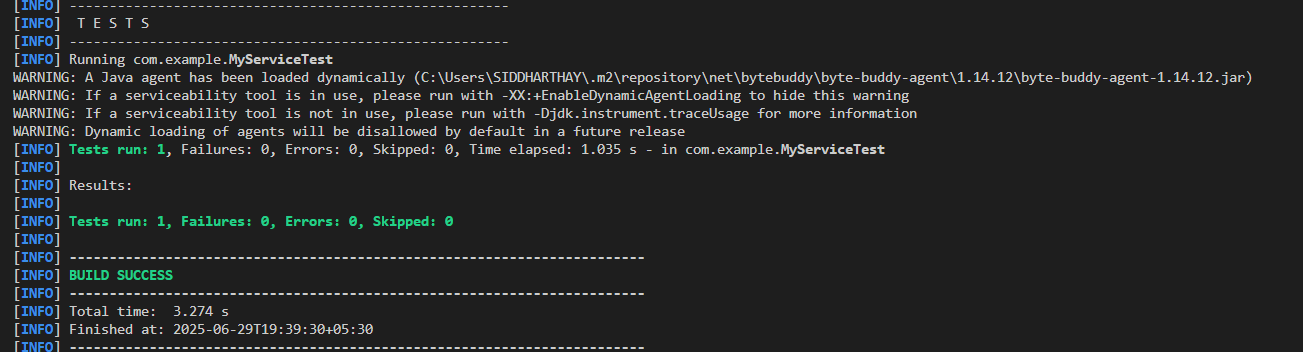
****

****

**Testing / Verifying:**

****

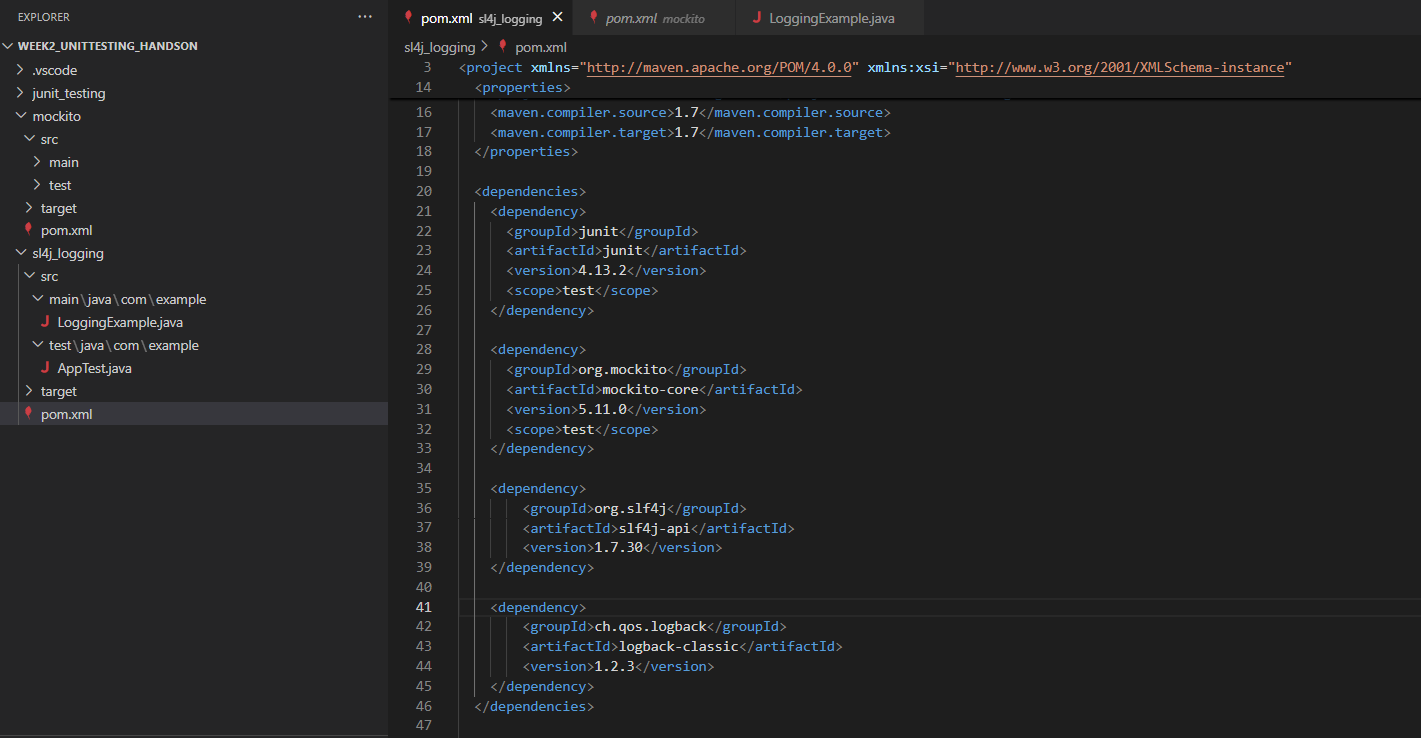
**Test Results:**

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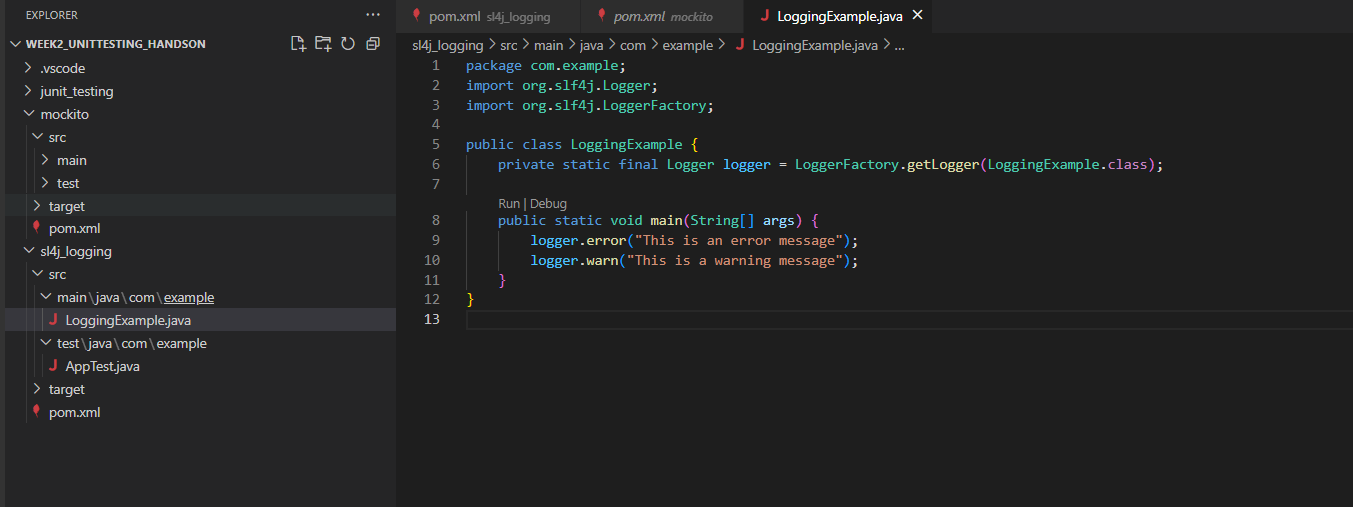
**Logging using SLF4J Exercises**

**Exercise 1: Logging Error Messages and Warning Levels**

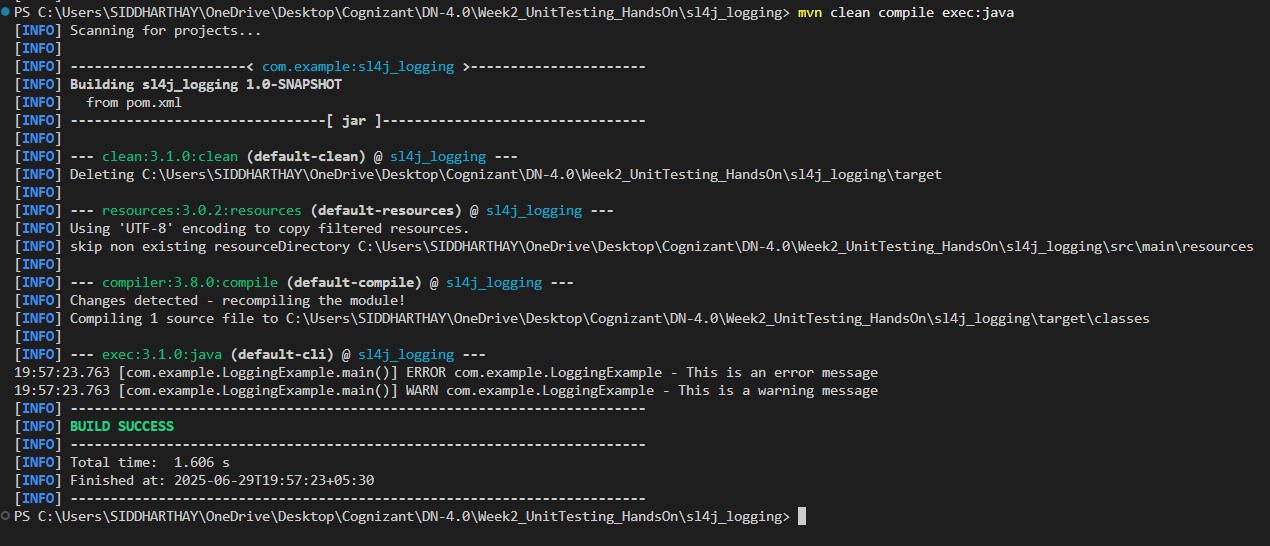
**Added the Dependencies:**

****

**LoggingExample.java**

****

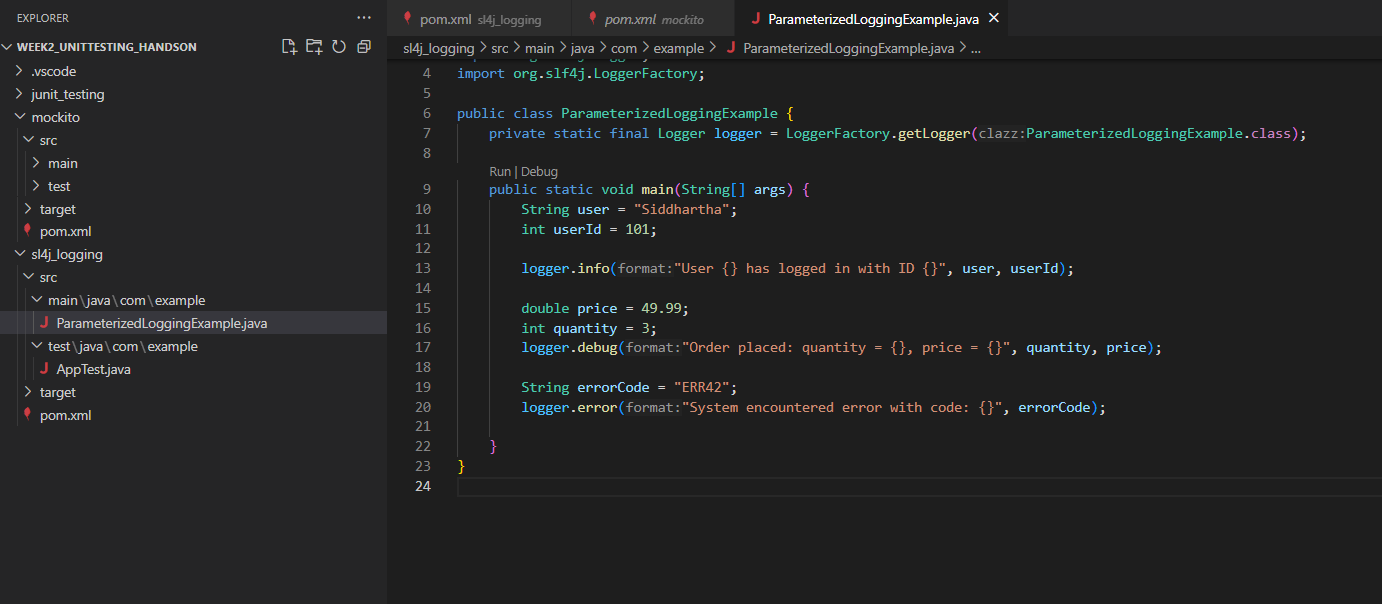
**Test Results:**

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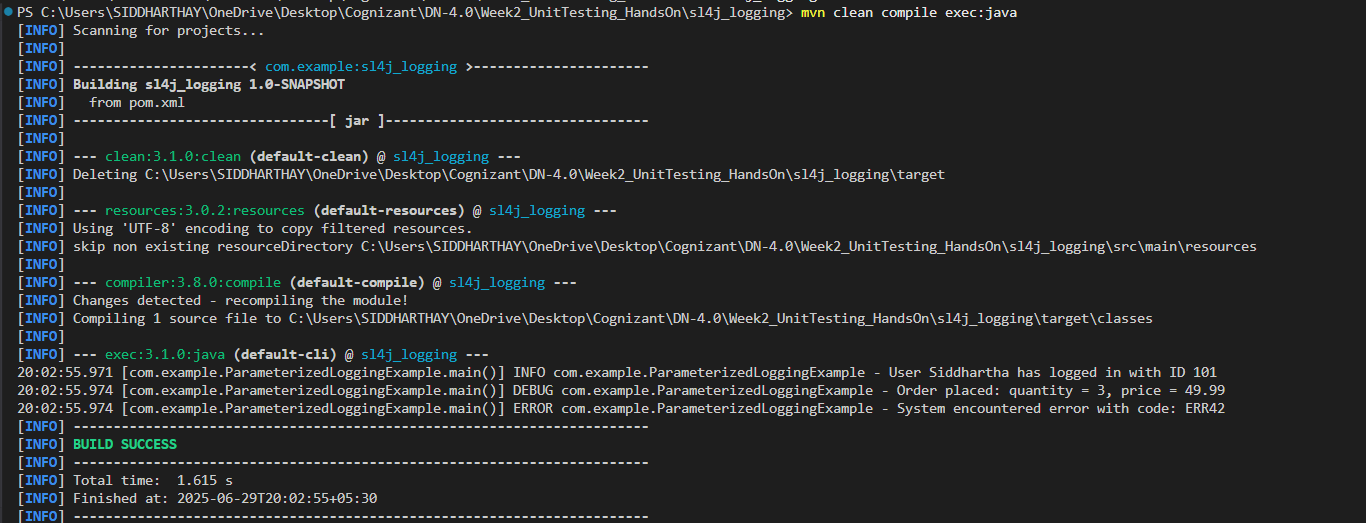
**Exercise 2: Parameterized Logging**

**Dependencies are placed**

**ParameterizedLoggingExample.java**

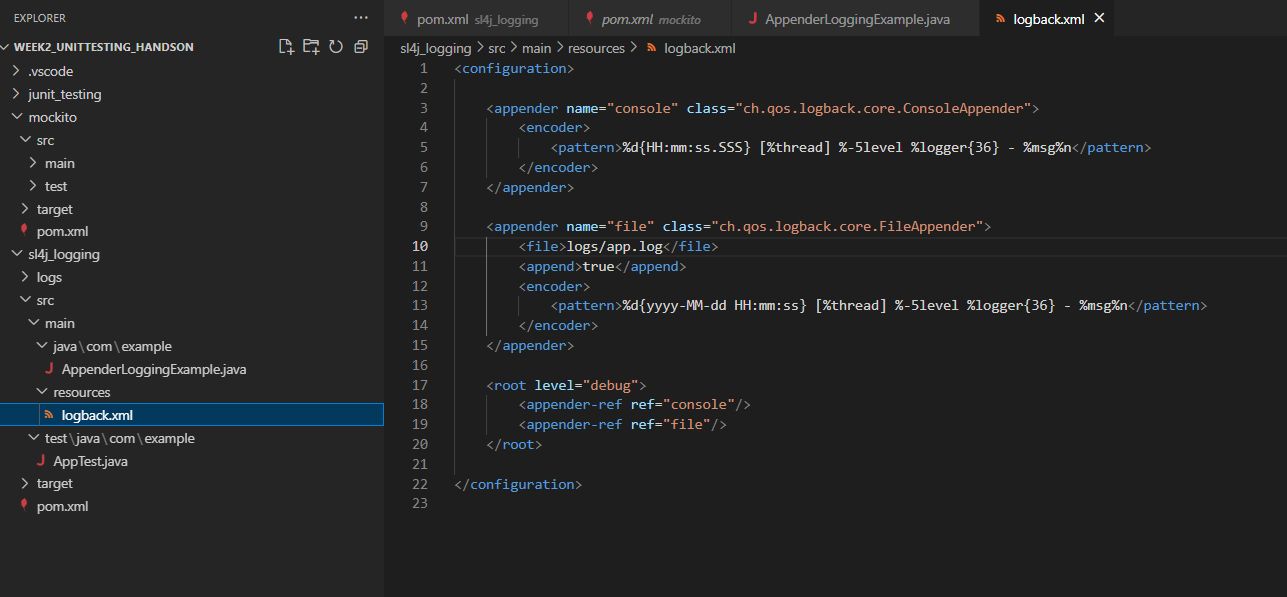
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**Test Results:**

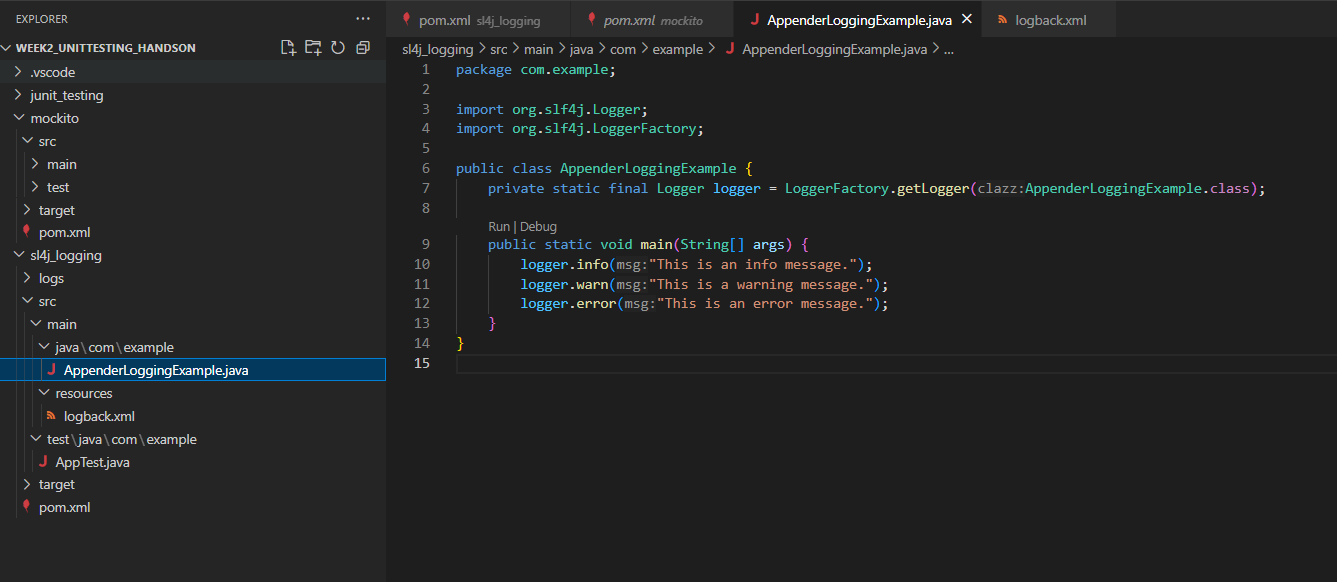
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**Exercise 3: Using Different Appenders**

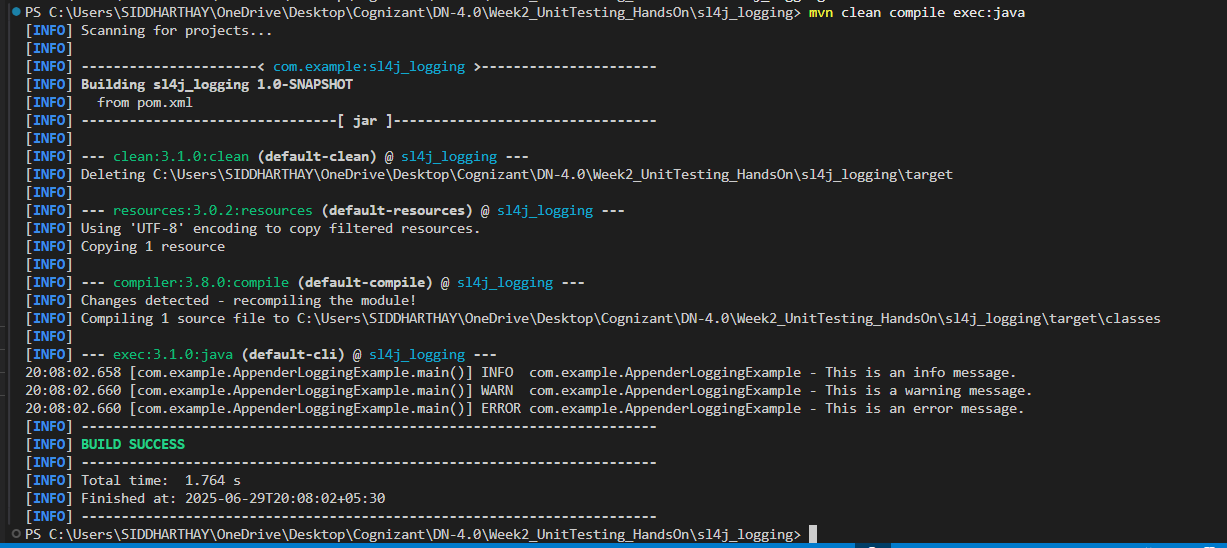
**logback.xml for defining different appenders:**

****

**AppenderLoggingExample.java**

****

**Test Results:**

****