**Exercise 3: Assertions in Junit**

**Scenario**: You need to use different assertions in JUnit to validate your test results.

**1.** Verified Project Setup

* Confirmed that the Maven project and JUnit dependency (version 4.13.2) were already set up as part of previous exercises.
* Verified that test classes are properly placed under src/test/java.

**2.** Created the Test Class: AssertionsTest

* Navigated to: src/test/java/com/example.
* Created a new Java class named: AssertionsTest.

**3.** Imported JUnit Assertions

* Imported all necessary static methods from org.junit.Assert for ease of use.

**4.** Wrote the Test Method Using Different Assertions

package com.example;

import org.junit.Test;

import static org.junit.Assert.\*;

public class AssertionsTest {

@Test

public void testAssertions() {

// Assert that two values are equal

assertEquals(5, 2 + 3);

// Assert that a condition is true

assertTrue(5 > 3);

// Assert that a condition is false

assertFalse(5 < 3);

// Assert that an object is null

assertNull(null);

// Assert that an object is not null

assertNotNull(new Object());

}

}

**Final Outcome:**

