**Exercise 3: Assertions in JUnit**

**Scenario:**

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

**Steps:**

1. Write tests using various JUnit assertions.

Solution Code:

public class AssertionsTest {

@Test

public void testAssertions() {

// Assert equals

assertEquals(5, 2 + 3);

// Assert true

assertTrue(5 > 3);

// Assert false

assertFalse(5 < 3);

// Assert null

assertNull(null);

// Assert not null

assertNotNull(new Object());

}

}

**Souce Code:**

**Pom.xml:**

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

</dependencies>

**AssTest.java:**

**import** org.junit.Test;

**import** **static** org.junit.Assert.\*;

**public** **class** AssTest

{

@Test

**public** **void** testAssertions()

{

// Assert equals

assertEquals(5,2+3);

// Assert true

assertTrue(5 > 3);

// Assert false

assertFalse(5<3);

// Assert null

assertNull(**null**);

// Assert not null

assertNotNull(**new** Object());

}

}

**Output:**

Running AssertionsTest

Tests run: 1, Failures: 0, Errors: 0, Skipped: 0

BUILD SUCCESS