**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());

}

}

**Solution**

Folder structure as follows:

demo/

├── pom.xml

└── src/

├── main/java/com/example/App.java

└── test/java/com/example/AssertionTest.java

**Code For AssertionTest.java**

// File: AssertionsTest.java

package com.example;

import org.junit.Test;

import static org.junit.Assert.\*;

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());

}

}

**Terminal Command**

mvn test

**OUTPUT**

A screenshot of a computer

AI-generated content may be incorrect.