**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:**

Open IntelliJ and create a java file.

In the test folder,create a file AssertionsTest.java

**AssertionsTest.java:**

package org.example;  
  
import org.junit.Test;  
import static org.junit.Assert.\*;  
  
public class AssertionsTest {  
  
 @Test  
 public void testAssertions() {  
 *assertEquals*(5, 2 + 3);  
 *assertTrue*(5 > 3);  
 *assertFalse*(5 < 3);  
 *assertNull*(null);  
 *assertNotNull*(new Object());  
 }  
}

Run the file to get the output.

**Output:**

A screenshot of a computer

AI-generated content may be incorrect.If all success:

A screenshot of a computer

AI-generated content may be incorrect.If we change assertEquals(5, 2 + 4);