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:

Importing required packages

Creating class and method

Using junit test class named as AssertionTest

package mytest;

import static org.junit.Assert.\*;

import org.junit.Test;

public class AssertionsTest {

@Test

public void testAssertions() {

// assertEquals - check if two values are equal

assertEquals(5, 2 + 3);

// assertTrue - check if a condition is true

assertTrue(5 > 3);

// assertFalse - check if a condition is false

assertFalse(5 < 3);

// assertNull - check if a value is null

Object obj1 = null;

assertNull(obj1);

// assertNotNull - check if a value is not null

Object obj2 = new Object();

assertNotNull(obj2);

}

}