**Exercise 3: Assertions in Junit**

**Write Tests Using Various JUnit Assertions**

**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());**

**}**

**}**

**JUnit Assertions Used:**

| **Assertion** | **Purpose** |
| --- | --- |
| assertEquals | Checks if expected == actual |
| assertTrue | Passes if condition is true |
| assertFalse | Passes if condition is false |
| assertNull | Passes if object is null |
| assertNotNull | Passes if object is not null |