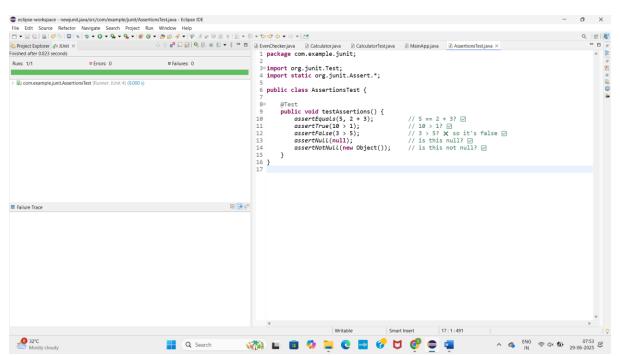
Basic JUnits Exercise

Exercise: Assertions in JUnit

```
package com.example.junit;
import org.junit.Test;
import static org.junit.Assert.*;
public class AssertionsTest {
    @Test
    public void testAssertions() {
        assertEquals(5, 2 + 3);
        assertTrue(10 > 1);
        assertFalse(3 > 5);
        assertNull(null);
        assertNotNull(new Object());
    }
}
```

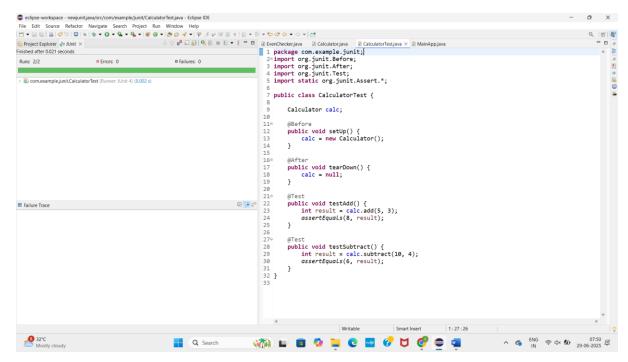
OUTPUT:



Exercise: Arrange-Act-Assert (AAA) Pattern, Test Fixtures, Setup and Teardown Methods in Junit

```
package com.example.junit;
import org.junit.Before;
import org.junit.After;
import org.junit.Test;
import static org.junit.Assert.*;
public class CalculatorTest {
  Calculator calc;
  @Before
  public void setUp() {
    calc = new Calculator();
  }
  public void tearDown() {
    calc = null;
  }
  public void testAdd() {
    int a = 5, b = 3;
    int result = calc.add(a, b);
    assertEquals(8, result);
  }
  public void testSubtract() {
    int a = 10, b = 4;
    int result = calc.subtract(a, b);
    assertEquals(6, result);
  }
}
```

OUTPUT:



```
Exercise: Parameterized Tests
package com.example.junit;
import static org.junit.Assert.assertEquals;
import java.util.Arrays;
import java.util.Collection;
import org.junit.Test;
import org.junit.runner.RunWith;
import org.junit.runners.Parameterized;
@RunWith(Parameterized.class)
public class CalculatorParameterizedTest {
  private int input1;
  private int input2;
  private int expected;
  Calculator calc = new Calculator();
  public CalculatorParameterizedTest(int input1, int input2, int expected) {
    this.input1 = input1;
    this.input2 = input2;
    this.expected = expected;
  }
```

```
@Parameterized.Parameters
```

Output:

