**Exercise 3 : Arrange-Act-Assert (AAA) Pattern, Test Fixtures, Setup and Teardown Methods in JUnit**

**Scenario:**

**You need to organize your tests using the Arrange-Act-Assert (AAA) pattern and use setup**

**and teardown methods.**

**Steps:**

**1. Write tests using the AAA pattern.**

**2. Use @Before and @After annotations for setup and teardown methods.**

**Code Snippet :**

public class AssertionsTest {

private double celsius;

@Before

public void setUp() {

celsius = 25.0;

}

@After

public void tearDown() {

celsius = 0.0;

}

@Test

public void testToFahrenheit() {

double fahrenheit = (celsius \* 9 / 5) + 32;

assertEquals(77.0, fahrenheit, 0.001);

}

@Test

public void testIncreaseTemperature() {

double newTemp = celsius + 5;

assertEquals(30.0, newTemp, 0.001);

}

}

