**Exercise 4: Arrange-Act-Assert (AAA) Pattern, Test Fixtures, Setup and**

**Teardown Methods in JUnit**

**GreetingService.java**

public class GreetingService {

public String greet(String name) {

return "Hello, " + name + "!";

}

}

**GreetingServiceTest.java**

import com.mycompany.mavenproject5.GreetingService;

import org.junit.After;

import org.junit.Before;

import org.junit.Test;

import static org.junit.Assert.\*;

public class GreetingServiceTest {

private GreetingService service;

@Before

public void setUp() {

service = new GreetingService();

System.out.println("Setting up before test...");

}

@After

public void tearDown() {

service = null;

System.out.println("Cleaning up after test...");

}

@Test

public void testGreet() {

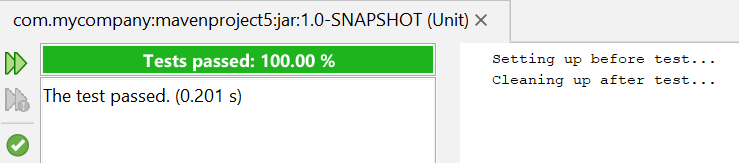
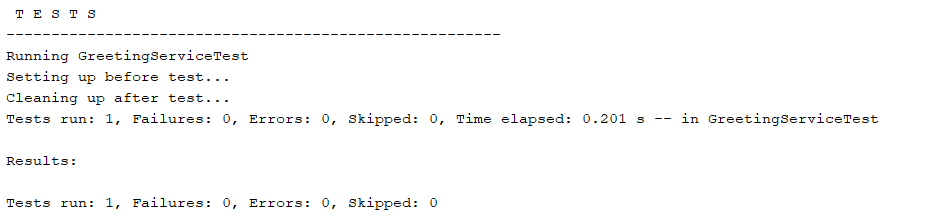
String result = service.greet("Alice");

assertEquals("Hello, Alice!", result);

}

}

**Output**

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