# **StringManipulator.java**

package com.example;

public class StringManipulator {

public String toUpperCase(String input) {

return input.toUpperCase();

}

}

# **StringManipulatorTest.java**

package com.example;

import static org.junit.Assert.\*;

import org.junit.Before;

import org.junit.After;

import org.junit.Test;

public class StringManipulatorTest {

private StringManipulator manipulator;

@Before

public void setUp() {

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

manipulator = new StringManipulator(); // Arrange

}

@After

public void tearDown() {

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

manipulator = null;

}

@Test

public void testToUpperCase() {

// Arrange done in setUp()

// Act

String result = manipulator.toUpperCase("hello");

// Assert

assertEquals("HELLO", result);

}

@Test

public void testToUpperCaseWithEmptyString() {

String result = manipulator.toUpperCase("");

assertEquals("", result);

}

}

# **Outputs:**



