Exercise 1: Setting Up JUnit Scenario: You need to set up JUnit in your Java project to start writing unit tests. Steps: 1. Create a new Java project in your IDE (e.g., IntelliJ IDEA, Eclipse). 2. Add JUnit dependency to your project. If you are using Maven, add the following to your pom.xml: junit junit 4.13.2 test 3. Create a new test class in your project.   
  
  
Code

import org.junit.Test;

import static org.junit.Assert.assertEquals;

public class CalculatorTest {

@Test

public void testAdd() {

Calculator calculator = new Calculator();

int result = calculator.add(2, 3);

assertEquals(5, result);

}

}

public class Calculator {

public int add(int a, int b) {

return a + b;

}

}

Exercise 3: Assertions in JUnit Scenario: You need to use different assertions in JUnit to validate your test results. Steps: