**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:

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

3. Create a new test class in your project  
  
I haven’t used the maven but I have used the eclipse as follows and the files are :

**Calculator.java**public class Calculator {

public int add(int a, int b) {

return a + b;

}

}  
  
The other file that I have used for the testing is the

**CalculatorTest.java**  
  
package junitdemo;

import static org.junit.Assert.\*;

import org.junit.Test;

public class CalculatorTest {

@Test

public void testAdd() {

Calculator calc = new Calculator();

assertEquals(6, calc.add(2, 4));

System.out.println("Running testAdd()");

}

}  
  
**OUTPUT:**Running testAdd()

Test passed successfully.