**Setting Up JUnit in a Java Project**

**Add JUnit Dependency**

**Option A: Using Maven (pom.xml)**

Add this to your pom.xml:

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

</dependencies>

* Maven will automatically download JUnit
* Refresh your project (in IntelliJ: right-click → Maven → Reload Project)

**Option B: Manual Library Addition**

1. Download JUnit 4.13.2 jar from [junit.org](https://junit.org/junit4/)
2. Right-click project → Build Path → Add External Archives
3. Select the downloaded JUnit jar

**Example Test Class:**

import org.junit.Test;

import static org.junit.Assert.\*;

public class CalculatorTest {

@Test

public void testAddition() {

Calculator calc = new Calculator();

assertEquals(5, calc.add(2, 3));

}

@Test

public void testSubtraction() {

Calculator calc = new Calculator();

assertEquals(1, calc.subtract(3, 2));

}

}