# Unit Tests Practical

1. **Set Up Your Environment:**
   * Clone/download the starter calculator project.

<https://github.com/mariagriffin/Calculator-Project>

* + Import the project into your chosen IDE (e.g., IntelliJ IDEA, Eclipse, VS Code)

1. **Review the Calculator Class:**
   * Examine the code in Calculator.java to understand what each method does.
   * Note that the divide() method throws an exception if the divisor is zero.
2. **Write Unit Tests:**
   * Open the CalculatorTest.java file in the test folder.
   * Complete any missing test methods or add additional tests if you wish.
   * Use the JUnit 5 assertions (assertEquals, assertThrows, etc.) to verify the expected behaviour of each method.
   * Ensure that each test method is annotated with @Test.
3. **Run Your Tests:**
   * Use your IDE’s test runner.
   * ****In VS Code you will need to install the extension: **Test Runner for Java**

**This will give you a testing icon:**

* + Verify that all tests pass successfully. If any test fails, review your implementation in the Calculator class and your test cases.

1. **Extra Challenge (Optional):**
   * Add some more methods to Calculator.java
   * Add the corresponding Tests