



TDDBUDDY.COM

Calculator Refactor

The Kata

You are given a calculator application. However, the solution is not perfect. All logic sits in “action scripts” behind button clicks, there are no test and it does not always handle operations correctly. E.g $1++2$ equals 3 instead of “Error”

The code for this kata can be found at <https://github.com/tddbuddy/Wpf-Calculator-Kata>¹

Your job is to write unit tests for the code, refactoring the code to create testable units not left behind button clicks.

- Keep your check-ins small by limiting each one to a single refactoring.
- Should you find any bugs, fix them as you go by creating a failing test and then making it pass; then return to refactoring.

Bonus

Try and avoid the use of if or switch statements in your final solution

¹ Code sources from <https://code.msdn.microsoft.com/windowsdesktop/simple-calculator-d1d8cf4c>