Calculator Project

Future Enhancements and Improvement

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Enhancements

1) Add Modulus, Exponents, Square Root, Fractions functionality

The current version of the calculator can mainly do four functions: add operands, subtract operands, multiply operands, and division operands. This makes the functionality of the calculator rather limited. Further functionality should be explored to increase the usability for the calculator. The Modulus (%), Exponents (xn), Square Root (√) and Fractions (1/x), are useful calculations that can be included in the next version.

2) Auto expanding screen

The next version should have a display screen that expands itself vertically and automatically go to the next line when the number reaches the limit on each line, this will allow the user to calculated bigger figures with large decimal places.

3) Auto-formatting large numbers

The next version should format the display for large numbers by adding commas, for example: 1,000,000,00.00. This will improve the readability. In the current version, there is no formatting and the numbers are shown in 1 block.

Improvements

1) Better Error checking

There is a bug in the current version where the input in the display is added to the memory log even when more than one decimal is included in the number. This results in error information stored in the memory log. This bug will have to be removed in the next version.