FracNut_GUI Developing Note

Sept 7

I added these features to make the program more powerful.

0. UI Improvement: Now the program has three parts for inputting & outputting: **Command Line** (for user input, will be cleared when they call the program to calculate), **Output** (showing users' inputs and outputs, alongside other program information), **Input Notifier** (notice the user the current no. of inputs).

1. Autocheck: This checks whether the user command is valid, preventing the algorithm errors from happening;

2. Improvement on the scroll bar and cursor: This makes the cursor always in the right position, preventing the output from becoming chaos; This makes the scroll bar always at the end of the textbox, which helps users to read the last result when there are many outputs.

3. Input methods: Now the program allows users to type either by keyboard or virtual keypad. Backspace, spacebar, and letter input are now also available.

4. Error Processing: A processing procedure for empty strings has been added. This prevents the program crash from happening. Other potential risks are also removed.

5. KeyPressEvent: Now the program allows you to use the Enter (Return) button for calling the program to do the calculation.