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Professor Zaidi  
Assignment 1 - Calculator  
03/18/2021

This calculator was implemented in Java with JFrame, using Swing components.  
Estimated time spent: 6 hours.  
Actual time spent: 3 hours.

Log time:

11.00PM - 12.00AM 03/12/2021: Requirements Analysis & Design  
12.00AM - 1.00AM 03/12/2021: Development  
1.00AM - 2.00AM 03/12/2021: Testing

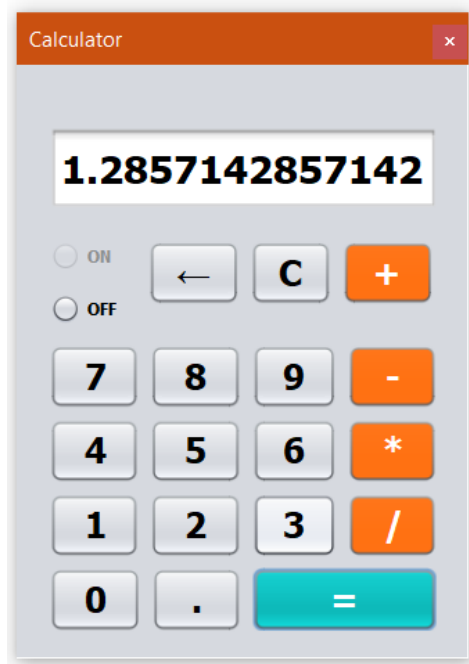
Bug found:

When doing the division:  $9/7$ , the calculator cannot display more than 15 digits of a floating point number. This error is fixed by setting the limit of digits displayed to 15.

BEFORE bug fixed



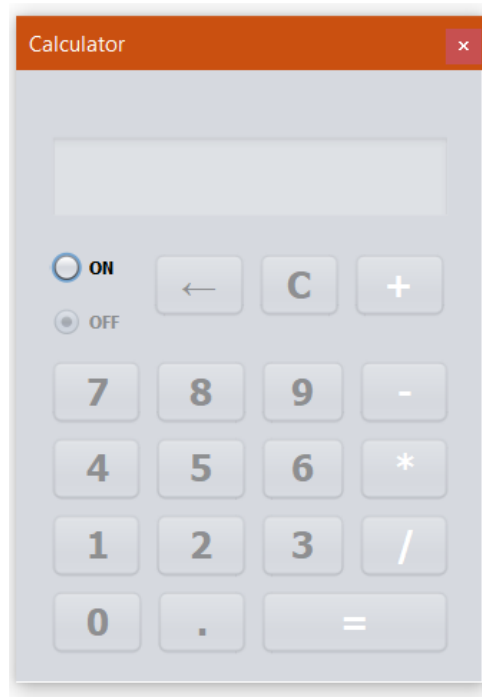
AFTER bug fixed



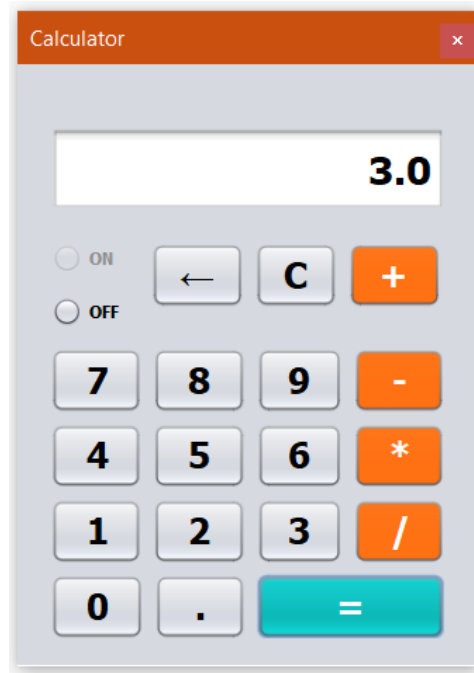
Calculator ON



Calculator OFF



Addition:  $1 + 2 = 3$



Subtraction:  $3 - 5 = -2$



Multiplication:  $3 * 4 = 12$



Division:  $5 / 2 = 2.5$

