

ISYS 316 Assignment 3 Calculator

General Rules for Homework Assignments:

- The beginning comment section must have at a minimum the following or points will be deducted:
 - The name of the developer and the date written
 - The instructors name
 - The course and section number
 - A statement as to its purpose
 - The inputs and outputs
 - A list of exposed interfaces
 - A list of all variables, their type, and their purpose
- You are strongly encouraged to add comments throughout the program. Doing so will help your instructor to understand your programming logic and grade you more accurately.
- You must work on your assignments individually. You are **not allowed** to copy any code, in whole or part, from the others. *However*, you may discuss approaches to the homework assignment with your section mates and the instructor.
- Each assignment has a strict deadline. Due dates are posted on the Schedule. Remember that ALL assignments must be completed to pass this course.
 - When the term **YourName** is referenced in an assignment, please replace it with your name.

Assignment: Design your own version of a floating point calculator. It must use a graphical interface and have the following features to receive full credit:

1. Numeric buttons 0 – 9 and a decimal point
2. The ability to multiply, divide, subtract and add (these must actually perform work)
3. An equals button to perform the calculation
4. A display that outputs the values entered and the result

Extra Credit:

- Create a RPN calculator: +10%
- Add memory buttons: M+, MC, MR + 5%
- Add ability to display the equation entered: +10%



Submission:

Submit this *YourNameAssignment3.zip* file in the Assignment 3 Section on or before the due date.

*Sample calculator from idrsolutions.com