

# Programming Logic - Beginning

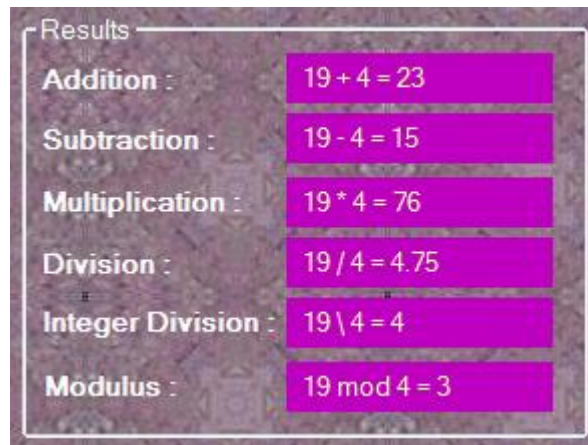
152-101

## Math Program

20 points

### General Program Requirements

A friend of yours has just been hired as a math teacher. She asks you for a program that will demonstrate math skills for her students while letting them use the ever popular computer. These are young students, so we'll keep this version of the program simple. Allow the user to enter two whole numbers. When the user clicks the calculate button, display mathematical equations that the students can review. Include addition, subtraction, multiplication, division, and because these students are future programmers, display integer division and modulus equations as well. See the **output** example below. Your program's output DOES NOT have to duplicate this example, but it DOES have to display complete equations.



### Program Design

(You must use the Program Design Template and Visio to complete this assignment)

- Provide a IOP for this program
- Provide a screen layout
- Provide a TOE chart for this program
- Provide a flowchart (Visio) for each form event
- Provide pseudocode for each form event
- Provide 5 sample data records and the expected results

### Additional Information

*Modulus* is the programming term for the (whole number) remainder of a division calculation.

*Integer Division* is just like normal division but all decimal places are discarded.