

**Homework #1**

In this homework, you will have to use everything that we have learned so far to write a program.

1. First, your program will have a comment with your name and a description, in your own words, of what the program does.
2. Print a message to the user explaining what the program is going to do.
3. Declare and initialize 3 variables called x, y, and z, Print these values with appropriate messages.
4. Compute the following 3 formulas. For each formula, print the result. Be careful to properly program each formula, paying attention to parentheses.

$$f_1 = \frac{x^3 + 2y - 3}{2z - 1}$$

$$f_2 = \sqrt{x^5 - x^3} - \sqrt[3]{y^5 - y} + z$$

$$f_3 = \frac{|x| + 3y}{z}$$

5. Run your program 3 times total, giving different values to x, y, and z each time.

Make sure that your code is properly indented and that your variables are properly named.