

CSCI-4350. Homework 0. Due date: Jan 25.

a. Write a program that evaluates math expressions written in postfix form.

Input: floating numbers in the range -3000.0..5000.0. The input numbers and the answer must be in this range.

Arithmetic Operations to consider (initially): +, -, *, / and sign change.

UI: provide a graphical user interface. The user should be able to reset the program and to clear the input stream. The user should be able to enter an expression and hit return and the corresponding answer or panel with error should appear.

b. Assume now that the expression is entered in infix form. Write a new program that evaluates it. Same input as above.

Bonus for UI: provide a second view where the expression appears followed an equal sign followed by the answer, or followed by an error diagnostic.