

COSC 201 - Lab #7

More Fun with Stacks

Purpose: Practice the two stack algorithms for calculators

Tasks:

1.) Convert from infix to postfix, then (using the stack algorithm) calculate the result of the postfix equation for:

a. $2 * 3 + 4 ^ 2 \% 2 * (1 + 3)$

b. $3 * 4 \% 2 + 2 / 3 + (4 + 2 + 3) * 2 - 1$

c. $1 - 2 * 3 + 4 ^ 3 ^ 2 + 6 + (7 + 2 * (3 + 1 + 4) - 2) + 1$

Be sure to show all work in the same format as we went over in class.

2.) Turn in a hard copy at the **start of class on Monday**. You may work in pairs. If you work in pairs, turn in only one copy for the pair.