

Week 11 Lab: Postfix Expressions

This Week

This week, we will be starting the trees backlog. We have been discussing trees in class for two weeks; now you get a change to put your knowledge to work.

Demo

You will be demoing the implementation of postfix expression evaluation this week. To complete this assignment, you will need to reimplement stacks to return integers.

Story 7 (15 Marks)

Run “make clean,” “make test” and “make.” Execute “./tst” to see if the basic tests pass. Execute “./stack” to make sure that the rest of the program runs.

1. Basics (5 Marks)
 1. Formatting is correct (2 Marks)
 2. Compiles without errors or warnings (3 Marks)
2. Correctness (10 Marks)
 1. Execute ./tst. The program must use stacks appropriately to gain the marks. (5 marks)
 2. No other errors (5 Marks)

Story 8 (30 Marks)

Run “make clean,” “make test” and “make.” Execute “./tst” to see if the basic tests pass. Execute “./stack” to make sure that the rest of the program runs.

3. Basics (5 Marks)
 1. Formatting is correct (2 Marks)
 2. Compiles without errors or warnings (3 Marks)
4. Correctness (25 Marks)
 1. Execute ./tst. The program must use stacks appropriately to gain the marks. (5 marks)
 2. No other errors (5 Marks)