

COMP 40 Laboratory: The RPN calculator

December 9, 2011

1 Introduction

All week we've been watching at office hours to figure out how we can best help you complete your RPN calculators. In this lab, we're asking you to segregate yourself into groups according to what stage you are at. Please follow the *first* instruction that applies to you.

1. Have you assembled *and run* code with multiple files, multiple sections, a stack-setup module, and a "call `main()`" module?
If not, please sit in room 118 at the front.
2. Have you printed positive numbers, negative numbers, zero, the most negative number, the next most negative number, and the most positive number?
If not, please sit in room 118 at the back.
3. Do you have a working print function but need help with your jump table?
If so, please sit in room 116 at the front, next to the windowless wall.
4. Have you got a *tested* print function and a (possibly incomplete) jump table, but you are not sure what to do about the calculator's value stack?
If so, please sit in room 116 at the front, next to the window between the labs.
5. So you've got a jump table and a value stack. Can you enter multiple numbers (and multi-digit numbers) and print the contents of the value stack?
If so, please sit in room 116 at the back.
6. It seems like you have your digit, space, and newline commands working.
Please sit in room 118 at the front and immediately ask a member of the course staff to review your assembly-language labels and their contracts.