Lecture 13: October 23, 2019

Reading: C text, §9

Assignments: Homework #2, due October 25, 2019

1. Greetings and felicitations!
   (a) Extending homework 2’s due date through Friday at 11:59pm; however if you turn it in by Wednesday at
       11:59pm, I will not penalize you. But homework 3 will go out on Friday and will be due November 6.
   (b) The syllabus on Canvas has been updated and is now current.
   (c) There is a sample midterm, and answers to it, on Canvas. This and the study guide should help you prepare for
       the midterm.
   (d) Homework:
       i. I have posted executables for homework questions 3, and 4 and for the extra credit in /home/bishop/hw2-
          programs, as well as the program, source for question 5.
       ii. Question 3: easiest to use fgets to read in the input; if you use it, don’t forget to delete the trailing
           newline!
       iii. Question 4: go through the rectangle being inside the border; you can assume the input will be nxn with no
           spaces in the input
       iv. Extra credit question: add 10 to itself 10 times means there are 9 additions, and 10 PIs, not 11 PIs
   (e) Go through for loops again
   (f) Show why “if . . . else if” is different than “if . . . if”
   (g) If int v = 100; int *p = v is wrong and int *p = &v; is right

2. Using fgets
   (a) Read a line and print it (file.c)
   (b) Read a line and print it prefixed by a line number (file1.c)

3. Tower of Hanoi (tower.c)
   (a) Using fprintf(stderr, ...) to print error messages
   (b) Input using fgets and scanf

4. Reverse a string (reverse.c)