

CSC 332: Algorithms - Problem Set 1

First, a short poem of lament:

*Oh problem set, oh heartless problem set!
Hath you no pity, upon my poor fate?
Would that I had started... started much sooner.
Cruel hand smiteth those who procrastinate...*

- An Anonymous Male CSC/MAT Professor at Centre College (2012)

Please do not make this your poem.

Instead, start the problem set early. Today would be good. Some problems are easy. Some are more challenging. Leave yourself time to appropriately cogitate on them. And leave time to come in to office hours to get help if you need it.

Reading:

- Sections 2.1 and 2.2 (preferably by Monday, certainly by Wednesday)
- Post a question/comment on the reading to Moodle.

Problems:

1.1: 4, 5, 6, 8, 9, 12

1.2: 1, 2, 5, 9

1.3: 3, 4, 5, 6, 8, 9

1.4: 1, 4, 7 (parts a&b)

2.1: 3, 4, 6, 7, 8, 9, 10

Due Date: Beginning of class next Friday, February 10.

Grading Notes:

Note 1: I will likely choose only a subset of these problems to grade. (But I won't tell you which ones ahead of time.) If you have doubts about your solutions to the problems I didn't grade, compare with classmates and/or check with me. Ultimately, it is your responsibility to make sure that you are understanding the material...

Note 2: If you type your homework (preferably using LaTeX, but other software is acceptable), you will receive a **5% extra credit bonus** on the problem set, with the caveat that your problem set score is **capped at 100%**. LaTeX is a great skill for any aspiring mathematician or computer scientist to have. And even people in fields from Sociology to History to Linguistics use it to typeset research papers. (You can leave empty space for drawings and do them by hand, if you'd rather not design figures on the computer.) The TexMaker software is already installed on the Linux lab computers. I recommend configuring TexMaker's Quick Build settings to use PDFLatex + View PDF.