

CMSI 185-01

COMPUTER PROGRAMMING

Fall 2014

Assignment 0909

This assignment starts up your reading for this course and gets you right into running some code.

Outcomes

This assignment will affect your proficiency measures for outcomes 1, 5a, and 5b...with a small taste of 2 at the very end.

Background Material

All but the first item are available as links on the course website.

- Dionisio/Toal Preface, Chapter 1, and Chapter 2
- “Computing as a Natural Science” by Peter Denning (from *Communications of the ACM*)
- 2007 *New York Times* article “Our Lives, Controlled from Some Guy’s Couch”
- 2011 *Washington Post* article “When computer programming was ‘women’s work’”
- The Wikipedia article on Alan Turing
- The U.S. Navy’s bio of Grace Hopper (skimming is OK) and/or the 1983 *60 Minutes* segment about her
- 2012 essay/blog post “Learnable Programming” by Bret Victor

For Submission

Follow the syllabus instructions on working in pairs. Upload your work to Blackboard as a PDF. Use the right font for the right kind of content (ask me if you aren’t sure).

1. Supply individual Google accounts that I can use to give you access to [otherwise private] course screen capture videos
2. Textbook Chapter 1, Problem 13 (make sure your list shows breadth) (1)
3. Textbook Chapter 1, Problem 14 (requires some research, online is perfectly fine) (1)
4. Textbook Chapter 1, Problem 15 (just give two short reasons) (1)
5. Textbook Chapter 1, Problem 16 (1)
6. Go through the Codecademy Course “Getting Started with Programming.” On the PDF that you turn in, include your names and paste your signatures next to the phrase “I completed the assigned Codecademy Course.” Also state the number of points you received.) (5a)
7. Textbook Chapter 2, Problem 4 (go for humor if you can) (5a)
8. Textbook Chapter 2, Problem 8 (5a)
9. Textbook Chapter 2, Problem 13 (1)
10. Textbook Chapter 2, Problem 14 (1)
11. Textbook Chapter 2, Problem 15 (include your source code in your PDF, but also provide a link to a JSFiddle that you created) (2, 5a)