

# CS 245 FINAL EXAM INSTRUCTIONS

## Fall 2021

1. You will receive an email from me indicating that the exam is available. You may take the exam any time after you receive that email. You must complete the exam prior to the end of the finals period. You may take the exam anywhere.
2. You have 3 hours and 20 minutes (200 minutes) from the time you hit the button to obtain the exam until you return it to me. The exam is intended to require less than 3 hours to complete. The additional 20 minutes are for you obtain the exam, print it (if you desire) then when complete, scan and return.
3. Exams returned after 200 minutes will be subject to the following penalty: 1 minute — 5 points; 2 minutes — 11 points (5 + 6); 3 minutes — 18 points (5+6+7); 4 minutes — 26 points (5+6+7+8); etc Please do not put yourself in a position where these penalties are assessed.
4. On the first page of your submission clearly write the time you started and the time you completed the exam. Also sign by these times to indicate that you have abided by the honor code.
5. All answers should be written on blank (or lined) sheets of paper. Also, answers may be typed or written using a tablet or computer.
6. SUBMISSION: send your answers to [gtowell245@cs.brynmawr.edu](mailto:gtowell245@cs.brynmawr.edu). If you typed everything, or wrote on a tablet, just copy and paste or attach the document. For handwritten answers, take photos or scan. Please ensure legibility. Your submission should be in PDF or some other common format.
7. If you have issues with obtaining or submitting the exam, send me email immediately. I may not respond or be able to do anything, but this will at least set a timestamp on your encountering an issue.
8. Be sure your answers are clearly labeled and that every page has your name
9. This is an open everything exam. The only restriction is that you may not discuss the questions or your answers with anyone. About the only discussion of the exam that would not violate the honor code would be “I

have not taken it yet” or “I plan to take the exam tomorrow”. Even commenting that you thought the exam was hard (or easy) would be a violation.

10. All code given in this test compiles and runs without errors.
11. In order to be eligible for as much partial credit as possible, show all of your work for each problem, and clearly indicate your answers. Credit will not be given for illegible answers or for answers that I cannot find.
12. Code that you write should be as close to correct (runnable) as possible. Small syntax errors will not cost you points, but code that is unclear will. You may write your code using VSC; you may compile and test. I do not encourage this (I even discourage doing so as it will tend to slow you down), I just note that it is permitted.
13. If you make an assumption (or are unsure of your interpretation of a question), state that assumption or interpretation clearly. For instance you might say “I assume that the question means that I should do ...”. If I agree that your interpretation is valid, then your answer may be eligible for full credit even if it is not what I intended. Be warned, I may not agree with your interpretation or I may feel that your interpretation is only worth partial credit.
14. While you are taking the exam, you may email me with questions. However, I make no promises about when I will be available. So, you are better off using point 13.
15. You may use any function defined in Java (11 or earlier), Go or Kotlin except if specified in question.
16. While you are free to look things up on the web, if you quote directly you must properly cite (a URL is usually sufficient) what you quoted and give your own interpretation of the material you quoted. If I determine that you quoted from the web without doing so, you will receive a 0 for your answer. If I determine that you have done so more than once, you will receive a 0 for the test.