CS 151

Fall 2022 Final

Instructions and Rules

1. You will receive an email from me indicating that the exam is available and the URL through which it 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 final exam period.

2. You have 300 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 300 minutes to complete. (Actually the exam is intended to take less than 150 minutes to complete.)

3. If you return the exam late the following penalties will apply: 1 minute, 1 point; 2 minutes, 4 points; 3 minutes, 9 points; 4 minutes, 16 points, etc.

4. On the first page clearly write the time you started and the time you completed the exam. Also sign by that time to indicate that you have abided by the honor code. I have a record of the time you obtained the exam and a timestamp of when you emailed it back to me. Still, note these times requested above on your submission.

5. If you have a time accommodation, also note that on the first page.

6. All answers should be written on blank (or lined) sheets of paper or on a the exam itself. Answers may be typed or written using a tablet or computer. You may mix modes and send multiple attachments. For example, you might type most answers but hand draw some figures. If you do so, be sure that everything is clearly labelled.

7. SUBMISSION: send your answers to gtowell@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 a common image format. It should NOT be in a word processor specific format.

8. This is an open everything exam. The only restriction is that you may not discuss the questions or your answers with anyone in any medium. (For instance, sending someone an email would be a form of discussion.) About the only discussion of the exam that would not violate the honor code would be "I have not taken it yet". Even commenting that you thought the exam was hard (or easy) would be a violation.

9. All code given in this test compiles and runs without errors unless clearly indicated.

10. 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.

11. 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.

12. 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 you interpretation is only worth partial credit.

13. While you are taking the exam, you can email me with questions. However, I make no promises about when I will be available. So, you are better off using point 12.

14. You may use any function defined in Java 11 except if specified in particular questions. Do not use any non-standard java.