Examination
Final
Fall 2019
CS 116
Closed Book
Candidates may bring no aids (no calculators).

Q# | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Total
---|---|---|---|---|---|---|---|---|---
Marks | 8 | 4 | 6 | 4 | 8 | 6 | 6 | 22 | 64

Instructions (Read carefully before the exam begins):

1. Before you begin, make certain that you have one Exam Booklet with 22 pages including a multiple choice bubble sheet at the end, and one double-sided Reference Sheet.
2. All coding is to be completed using Python 3.
3. See the Reference Sheet for information about useful Python language features. You may use language features not listed on the Reference Sheet, as long as they were discussed in the class and allowed on assignments. No additional information will be provided about functions not listed on the Reference Sheet.
4. Include only design recipe elements that are explicitly requested. In particular, most questions require you only write the function definition (body).
5. Otherwise follow the CS 116 style guidelines for your solutions.
6. Unless indicated otherwise, you may use a helper function or lambda anywhere you feel it is needed. Helper functions should be defined separately from required functions (either before or after is acceptable). Unless otherwise stated, helper functions also do not need design recipe elements other than the body.
7. If you require more space to answer a question, there is a blank page at the end you may use instead, but you must clearly indicate in the provided answer space that you have done so.
8. Read each question carefully, as many demand a specific approach or specify specific restrictions.
9. Do not detach any pages and do not write on the QR codes.