

CMPSC 100
Computational Expression
Fall 2019
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Information about the Midterm Exam
Exam Date: October 24th at 2:30pm

Overview

Since the exam will be during the laboratory session, we will not have a lab next week. We will still have a practical session on October 25th.

The exam is open notes, open book, but closed to Web searching. The exam will be available via GitHub but has to be taken in Alden Hall. We will have a review session on Wednesday, October 24th. Bring your questions to that session! The exam will cover the following material:

- Chapter 1 in Lewis & Loftus, sections 1.1–1.6.
- Chapter 2 in Lewis & Loftus, sections 2.1–2.6.
- Chapter 3 in Lewis & Loftus, sections 3.1–3.5, 3.8. Know the terms in these sections. Be particularly familiar with the methods of the `String` class, particularly `length`, `substring` (both forms), `charAt`, `equals`, `toUpperCase`, `toLowerCase`, and `replace`. Know the methods of the `Random` class: `nextInt`, `nextFloat` and `nextDouble` and the basic methods we have used in class of the `Math` class.
- Chapter 5 in Lewis & Loftus, sections 5.1–5.4. Know how to write `if` and `if/else` and `while` statements. Be able to give examples.
- Definition, basic commands in the terminal; compiling and executing programs using gradle; basic commands using GitHub.
- Your class notes and lecture slides, labs 1–6, practicals 1–7, and additional article readings.

The exam will be a mix of several kinds of questions: fill in the blank, short answer, multiple choice, true/false, completion, etc.

The emphasis will be on:

- Fundamental concepts (definitions, background, etc.)
- Basic techniques (editing, compiling, running programs; using files and directories; using GitHub, etc.)
- Understanding Java programs (given something written in Java, understand what it does and be able to precisely describe its output).
- Composing Java statements and programs, given a description of what should be done.

The Honor Code as Applied to Examinations
 (See <http://sites.allegheny.edu/deanofstudents/student-conduct-system>
 for more information)

Article III

Section 1

If one student observes another committing what appears to be an act of dishonesty in academic work it is the observers responsibility to take the appropriate action. Students are encouraged to inform either the instructor or a member of the Honor Committee. However, whatever action the observer takes must fulfill the obligation to uphold the integrity of the College community. Failure to do so is as injurious to the honor of the College community as is the observed act of dishonesty and constitutes an infraction of the Honor Code.

Section 2

The following practices are considered to be violations of the Honor Code in examinations, tests, quizzes, and in laboratory and computing exercises, and in any other assigned coursework: any attempt to receive or give unauthorized assistance from written, printed, or recorded aids, from any person, or from anothers work. Any attempt to receive or give unauthorized assistance by means of an electronic device (cell phones, PDAs, etc) is also a violation of the Honor Code.

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Article IV

Section 1

Tests and examinations at Allegheny need not be proctored. Instructors may remain in the room or in a nearby room but must remain in the building to be available to answer questions that may arise during the course of the examination.

Section 2

Examinations are confined to the building in which they are given. Students shall have freedom of movement within that building. Students may not leave the building or take materials related to the exams into restrooms unless explicitly permitted to do so by the instructor, or unless the instructor declares the test to be written at home or other parts of the campus. Additionally, exams may not be taken behind a locked door. It is the students responsibility to ensure that the door to the room remains unlocked during the entire exam.

Section 3

Regardless of where the test or examination is taken, the student is responsible for obtaining any changes or corrections. Instructors are not under obligation to search out students to provide this information. Furthermore, the exam must be handed in at the time requested.