CMPSC 111
Introduction to Computer Science I
Fall 2014
Sections 03 and 04

Information about the Midterm Exam
Exam Date: Thursday, October 16, 2014 at 2:30 pm

Overview

Since the exam will be during the laboratory session, we will not have a lab on October 16. The exam is closed book and closed notes. The exam will cover the following material:

- Chapter 1 in Lewis & Loftus.

- Chapter 2 in Lewis & Loftus, Sections 2.1–2.9.

- Chapter 3 in Lewis & Loftus, Sections 3.1–3.8. Know the terms in these sections. Be familiar with the methods of the `String` class, particularly `length`, `substring` (both forms), `charAt`, `equals`, `toUpperCase`, `toLowerCase`, and `replace` (see lab 5—the "DNA" lab). Know the methods of the `Random` class: `nextInt`, `nextFloat`, and `nextDouble`.

- Definition, basic commands in the Linux operating system; editing in `gvim`, compiling and executing programs in Linux; basic commands using Bitbucket.

- Your class notes and lecture slides, labs 1–5, practicals 1–3, handouts from class, and quiz 1.

The exam will be a mix of questions such as fill in the blank, short answer, true/false, and completion. The emphasis will be on the following topics:

- Fundamental concepts (e.g., definitions and background)

- Basic techniques (e.g., editing, compiling, and running programs; using files and directories; using Bitbucket with the command-line `git` programs)

- 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.

Students are required to fully adhere to the Honor Code during the completion of the midterm examination. More details about the Allegheny College Honor Code are provided on the next page.

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 observer's 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: any attempt to receive or give unauthorized assistance from written, printed, or recorded aids, from any person, or from another's work. . . .

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.

Section 4

In recognition of the responsibilities of the Honor Program, a student, when submitting a test or paper, shall sign both the pledge and full name in signature. If a student neglects to do this, the instructor must notify the student and allow an opportunity for signing the paper. Moreover, work is not to be considered as graded until the pledge and signature appear.