CS 115 Winter 2020

Assignment 00

Due at 10:00 a.m. on Wednesday, Jan 15, 2020
Remember to submit using Markus.

For this assignment, and only this assignment, you are permitted to work with other people, though you will gain the most benefit from doing it alone. The purpose is to familiarize yourself with course logistics.

An important part of this assignment is ensuring that you learn how to submit assignments correctly; we don't want you to lose marks on future assignments through incorrect submission. **Remember that submission is done through MarkUs.** Be sure to follow the instructions in the Style Guide to create and submit a file for Questions 1, 2, 3, and 4. **Questions 5 through 7 do not require any file submissions**, but they are still important to complete.

1. The CS 115 Style Guide (https://www.student.cs.uwaterloo.ca/~cs115/coursenotes1/styleguide.pdf) gives instructions on how to put a file header on a file and how to submit an assignment. Create a file with a file header and save it to your account so that you can modify it for future assignments. Submit the file using Markus with the file header using the instructions in the Style Guide on the course website.

2. What are typical midterm averages in first-year CS courses? You can find the answer in the Survival Guide (https://www.student.cs.uwaterloo.ca/~cs115/coursenotes1/survival.pdf) on the course website. Create a Racket program that consists of two constant definitions: `lower-bound` will be the lower bound given and `upper-bound` will be the upper bound given. Use integers to represent percentages; for example, 50% would be represented as 50. Submit this program **using MarkUs** as indicated in the Style Guide, Section 2. Please include a file header.

3. We will make frequent use of Learn to post important announcements. Sometime between now and the due date, we will post an announcement with instructions on how to answer this question. Please check the announcements regularly throughout the course.

4. This question is about student discipline and academic integrity. Please read Policy 71 at https://uwaterloo.ca/secretariat/policies-procedures-guidelines/policy-71. Then download the file `a00q4.rkt` from the Assignments page, read it, and fill in your Quest username (like `j22ahmed`) at the bottom. We take this to be equivalent to signing the document. Save it and submit it on MarkUs.

5. After you have submitted each of the questions, an email will be sent to your uwaterloo email with the basic test results. In addition, you can view the basic test results on MarkUs. Ensure that you are able to view the basic test results to know that your code can be run on our marking server.

6. Register your clicker at:
   https://www.student.cs.uwaterloo.ca/~cs115/cgi-bin/clicker-form.cgi
   You will need to do this in order to obtain participation marks. Note that this is a CS115-specific link. Even if you have registered your clicker elsewhere, you must register it at our site in order to receive any participation marks in this course.

7. CS115 has scheduled lab time (check your schedule for details). You may also use the labs to work on your assignments when the labs are available. Ensure that you can log onto the machines in the labs. Your userid is your Quest/WatIAM userid. You can set your initial password by visiting
   https://www.student.cs.uwaterloo.ca/password/
   Find DrRacket (the red and blue icon on the dock at the bottom of the screen) and start it up. If you are planning to work on your own machine, download DrRacket (version 7.4) from the following URL, install it and start it up.
   https://download.racket-lang.org/
   In either case, choose the language **Beginning Student**.