

Assignment: 0

Due: Friday, January 10, 2014 at 9:00 pm
Language level: Beginning Student
Files to submit: `survey.rkt`, `acadinteg.txt`, `secret.txt`
Warmup exercises: None
Practise exercises: None

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. For some of the questions, there is no work to be handed in. The purpose is to familiarize yourself with DrRacket, and possibly with the lab environment, as well as, practice on how to submit assignments.

Note: You must receive full marks for Assignment 0. We will ignore all further assignments until you do. You may submit this assignment (or indeed any other, once A0 is complete) as often as you like up to the due date. The Public Tests will tell you your mark for A0.

1. Register your clicker at:

<https://www.student.cs.uwaterloo.ca/~cs135/cgi-bin/clicker-form.cgi>

You will need to do this in order to obtain participation marks.

2. If you are planning to use the Mac labs for doing some or all of your assignments, find out from the course Web page when you are permitted to use the lab (when there isn't another scheduled class in there), go in, and sign on. 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 in 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 5.3) from the following URL, install it, and start it up.

In either case, choose the language Beginning Student.

<http://racket-lang.org>.

3. Open up the Help Desk (under "Help"). Find out if DrRacket has functions for computing powers, roots and logarithms (such as the exponential function), quotient and remainder of integer division, and for computing the greatest common divisor of two numbers.
4. Download the Survival and Style/Submission guides from the course web page at:

<http://www.student.cs.uwaterloo.ca/~cs135/handout>

Read them now. Really. We'll wait.

Find out from the guides and the course Web page how to hand in subsequent assignments and what the late policy is, just so you're not surprised at the last minute.

5. Read through the statement on plagiarism, follow the Web link to Policy 71, and read that policy. Download the file `acadinteg.txt` from the assignment page at:

<http://www.student.cs.uwaterloo.ca/~cs135/assignments>

and fill in your `userid` (your Quest `userid`, like `j22smith`) in the provided place to indicate that you have read and understood the policy. We take this to be equivalent to signing the document. Save it.

6. Download the file `survey.rkt` from the assignment page and edit it in DrRacket so that you have answered the questions. Save it.
7. CS 135 uses electronic communication extensively. You should take the time now to set up your computing environment to make this communication as easy as possible.

Read our recommendations on the “Email & Piazza” page of the course web site, then set up the software you'll use. There will be a post on Piazza with the title “A00: Piazza playground question”. Access that post and either edit the Student Response or create a follow-up to that post. It doesn't really matter what you say. The important part is that you demonstrate that you can do it. Piazza provides instructors with a list of those students who have participated; we'll be looking at it to ensure that you have. Unfortunately, we can't check in real time that you've done this correctly and so it won't be reflected in the public tests.

8. Log into *MarkUs*, the assignment submission server, and submit `acadinteg.txt` and `survey.rkt`. You'll find a link to *MarkUs* on the course homepage. After you submit your files, download them from *MarkUs* to check you have submitted the proper files. It is your responsibility to make sure the files you upload are the proper files and that they have been successfully submitted.

Note: if you go back and redo some of the above steps (because you didn't do them right the first time, for example, or you didn't have your clicker yet), **be sure to do this submission step again.**

9. Every time you submit an assignment using *MarkUs* you will be emailed the result of running a set of “public tests” on your submission. These are simple tests that ensure that your assignment was submitted properly, and that you won't lose all of your auto-testing marks for simple mistakes like misspelling function names. It does **not** do a thorough testing of your assignment; doing careful testing is part of what we expect from you.

The results of your public tests will be emailed to you at your `userid@uwaterloo.ca` account. Make sure you can read the email sent to that account!

Wait to receive that email (it should be just a few minutes after your submission), and then proceed to the next step.

10. You will notice that the public tests for your previous submission contained some feedback saying that a file was missing. Create the file mentioned in the email. Make the contents of that file be the secret number sent as part of your public test results, above.

Submit the new file (containing the secret number) using *MarkUs*.

Since you have resubmitted an assignment, you should receive another public test. If you have done everything correctly, the public test result will inform you that you have received full marks on Assignment 0. **You are not done Assignment 0 until you receive this public test result!**