

Assignment: 0
Due: Tuesday, September 12, 2017 9:00 pm
Language level: Beginning Student
Files to submit: `survey.rkt`, `acadinteg.txt`, `secret.txt`
Warmup exercises: None
Practice exercises: None

For this and *only this* assignment, you are permitted to work with other people, although doing it alone will benefit you the most. Some of the questions require nothing to be handed in. The purpose is to familiarize yourself with DrRacket, the lab environment, and the assignment submission process.

Note: Full marks must be received for Assignment 0 before any further assignments can be submitted. Assignments may be submitted as often as desired up to the due date. The Basic Tests will indicate the grade for A0.

1. Register your clicker at:

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

This is required in order to obtain participation marks.

2. Configure your CS account so that you can log in and use the Mac labs. Your userid for the labs is your Quest/WatIAM userid. Set the initial password by visiting:

<https://www.student.cs.uwaterloo.ca/password/>

Log in to a machine in the Mac lab. Find version 6.10 of DrRacket (it may be on the Dock, or in the Mac's Applications folder) and start it up.

If you plan to complete assignments on your own computer, download and install DrRacket (version 6.10) from the following URL:

<http://racket-lang.org>

In either case, choose the language Beginning Student, and set the “Constant Style” under “Show Details” to *true false empty*, as described in Module 1 of the course slides.

3. Open up the Help Desk (under “Help”). Look under “*How to Design Programs* Languages” to find out if the Beginning Student language in DrRacket has functions for computing powers, roots, the exponential function e^x , the natural logarithm function, quotient and remainder of integer division, and for computing the greatest common divisor of two numbers.
4. Download the Survival and Style guides from the course web page at:

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

Find and read the late submission policy in the guides and course web page. This will help to avoid last-minute surprises before submission deadlines.

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:

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

Fill in your Quest userid in the provided place to indicate that you have read and understood the policy. We take this to be equivalent to signing the document, so save a copy for your own records.

6. Download the file `survey.rkt` from the assignment page and edit it in DrRacket, answering the questions. Save the file.
7. CS 135 uses electronic communication extensively. Take the time now to set up your computing environment to make this communication as easy as possible.

Read the 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 “A0: Poll”.

Access that post and respond to the poll. 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 basic tests.

8. Log in to *MarkUs*, the assignment submission server, and submit `acadinteg.txt` and `survey.rkt`. There’s a link to *MarkUs* on the course homepage. After submitting the files, download them from *MarkUs* to check that they were submitted properly. It is your responsibility to make sure that the proper files are uploaded and successfully submitted.

<p>Note: if you go back and redo some of the above steps (e.g., because errors were made, or if you didn’t have your clicker yet), be sure to do this submission step again.</p>
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9. Every time you submit an assignment using *MarkUs* you will be emailed the result of running a set of “basic tests” on your submission. These are simple tests that ensure that the assignment was submitted properly, and that you won’t lose all of the correctness marks for simple mistakes (e.g., misspelling function names). It does **not** thoroughly test the submitted assignment; doing careful testing is part of what we expect from you.

The results of the basic tests will be emailed to your `userid@edu.uwaterloo.ca` account, so make sure that you can read the email sent to that account! It should only take a few minutes to receive these emails after submitting an assignment.

10. Notice that the basic tests for the previous submission contained 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 the basic test results from above.

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

After resubmitting an assignment, you should receive another basic test email. If everything was done correctly, the basic test result will indicate that you have received full marks on Assignment 0. **You are not done Assignment 0 until you receive this basic test result!**