CS 137: Assignment #0

Due on Friday, Sep 13, 2024, at 11:59 PM

Submit all programs using the Marmoset Submission and Testing Server located at
https://marmoset.student.cs.uwaterloo.ca/

Victoria Sakhnini

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Notes:
- This assignment is designed to help you set up and become familiar with your CS working environment, which is important for your entire undergraduate journey.
- You are encouraged to ask for help during the lab (Friday, Sep 6) and office hours.
- This is the only assignment where collaboration with your classmates is allowed.
- **This assignment is not worth any marks, but you must get 100% on this assignment to get credit for the other assignments.**
- The PDF file "Using VSCode with UW CS Linux Servers" may be very helpful for logging into the server.

Problem 1

1. Log into your linux.student.cs account and execute the command ls. You should see a directory entitled cs137. If you do not see this directory, create it via the command `mkdir cs137`.

2. Navigate to your cs137 directory: `cd cs137`.

3. Verify that you are in your cs137 directory: `pwd`.

4. Navigate to your home directory: `cd (or cd ~)`.

5. Determine whether your home directory contains a file called `.bash_profile` — if it doesn't, `cp .profile .bash_profile`;

if it does, move on to the next step. If you're missing the `.profile` file,you can copy the one from `/etc/skel/.profile` over first (`cp /etc/skel/.profile ~`) and then proceed.

6. Using a text editor (either vim or emacs), open the file `~/.bash_profile`(`vim ~/.bash_profile` or `emacs ~/.bash_profile`). This file should not be empty; if it is, check that you have typed the name of the file correctly. Add the following lines to the end of this file:

```
alias gcc11="gcc -std=c11 -Wall -g"
alias marmoset_submit="/u/cs_build/bin/marmoset_submit"
```

7. Now type `source ~/.bash_profile` to update the environment.

8. create a directory entitled **a0** via the command `mkdir a0`.

9. Navigate to your a0 directory: `cd cs137/a0`.

10. Write a C program named `hello.c` (this is the file name to submit to marmoset) that prints the string `"Hello CS137 2029 Cohort!"` (With no quotes) **followed by a newline character**.

11. Create a text file called **promise.txt** that contains the following text, all on one line:

I promise not to publicly ask for or provide hints about Marmoset test cases or assignment solutions on Piazza.

As is always the case for non-empty text files, make sure this file ends with a newline character

12. Make a zip file containing all of the files in your a0 directory: `zip a0.zip *` — make sure you are in your cs137/a0 directory when you do this.

13. Submit the file `a0.zip` to Marmoset by typing `marmoset_submit [course]` `[assignment] [solution file]`

For example, `marmoset_submit cs137 a0 a0.zip`