

CS 137: Assignment #0

Due on Friday, Sep 12, 2025, at 11:59 PM

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

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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 5) 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 2030 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.

Do not zip the directory `a0`, but the files in that directory.

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

For example, `marmoset_submit cs137 a0 a0.zip`