

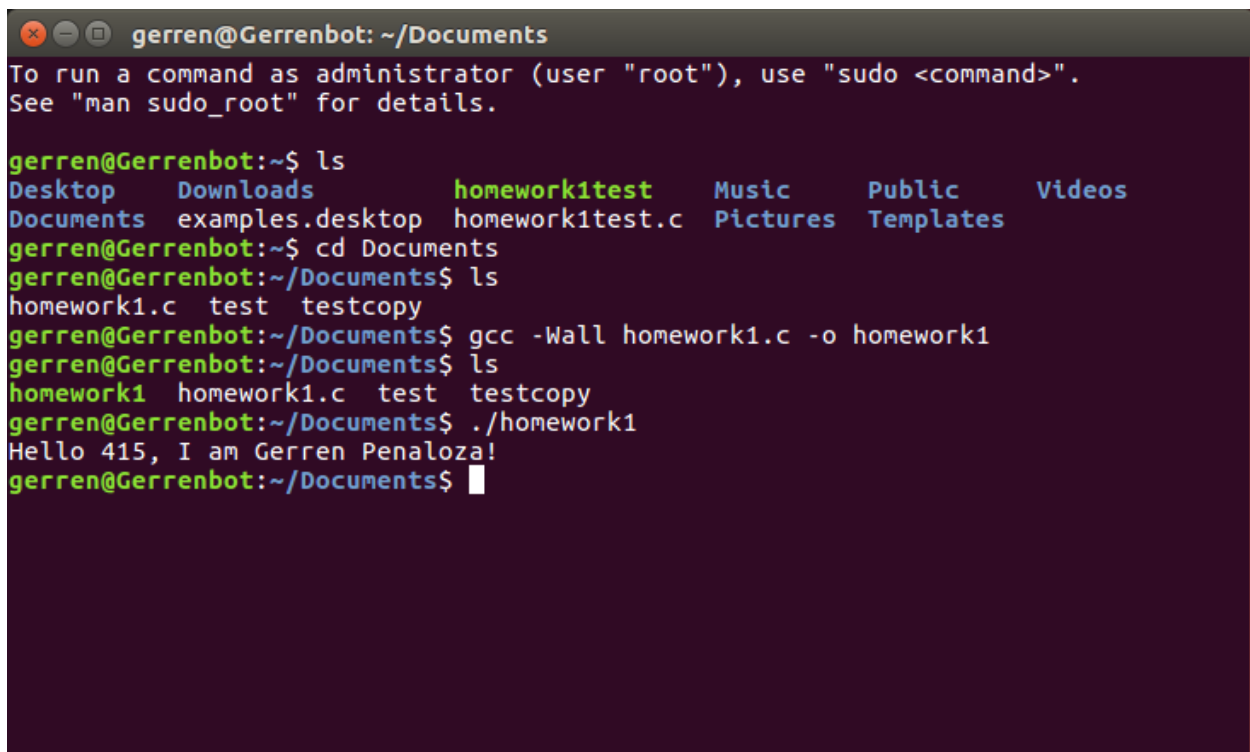
Homework 1

Overview

This is a simple program that outputs a string. The string is a greeting message that includes the name of a student. The name of the student is a defined constant that can be changed at any time. It requires a buffer, `snprintf()` which writes a string to the buffer, and the `write()` system call which outputs the buffer. On success, it will print out the message “Hello 415, I am <name>!” where <name> is the defined constant that contains the student’s name.

Testing

For testing, I changed the defined constant to another person’s name and recalculated the total number of bytes being used so I knew how many bytes to enter for the third argument in the `write()` system call. I also entered in less bytes than I needed to for the `write()` system call just to see if it would cut the string that I passed into the buffer short, which it did.



```
gerren@Gerrenbot: ~/Documents
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

gerren@Gerrenbot:~$ ls
Desktop  Downloads  homework1test  Music  Public  Videos
Documents examples.desktop homework1test.c Pictures Templates
gerren@Gerrenbot:~$ cd Documents
gerren@Gerrenbot:~/Documents$ ls
homework1.c  test  testcopy
gerren@Gerrenbot:~/Documents$ gcc -Wall homework1.c -o homework1
gerren@Gerrenbot:~/Documents$ ls
homework1  homework1.c  test  testcopy
gerren@Gerrenbot:~/Documents$ ./homework1
Hello 415, I am Gerren Penaloza!
gerren@Gerrenbot:~/Documents$
```