

Homework 1 - Hello World

Due by 4:00 p.m. Thursday, 2/1/18

For this assignment you will write a simple program in C that prints out the following string on the shell command line: `Hello 415, I am <your name>!` where `<your name>` is replaced by your name (you should store the value of your name in a `#DEFINE`'d constant).

You will implement this program using the POSIX API on Linux. It should use the `snprintf()` function to format your output into a buffer that is then passed to a single invocation of the `write()` system call (using the integer 1 as the file descriptor to represent standard out). Use an appropriate conversion specifier as a placeholder for `<your name>` in the format string passed to `snprintf()`. Check the Linux man pages for details on how to use POSIX system calls (including the `#include` directives you will need for each one). Use `cc` to compile your program with the `“-Wall”` flag. The program should compile without warnings.

You should submit your source code file and a short writeup in pdf format that includes a description of what you did and the compilation and execution output from your program.