ECS40 Spring 2018   2018-04-03

Homework 0 Due Thu Apr 12 at 23:59

Note: The purpose of this homework is to check that
i) You can use a simple Makefile
ii) You can write a simple "Hello World" program in C++.
iii) You are familiar with the **tar** command.
iv) You are familiar with the **handin** command on CSIF computers.

Use the handin directory hw0 to submit your work

1) Write a C++ program that prints the following line on stdout:

Hello ECS40 from xxxxx

where the string **xxxxx** is replaced by the last five digits of your Student ID. The output should
consist of a single line terminated by an end of line character. The output should consist of
exactly 23 characters (including the end of line character). You can verify the length of the
output using the Unix **wc** command.
The program source file name should be **hello.cpp** .

2) Write a **Makefile** such that the command

$ make

compiles the program **hello.cpp** and produces an executable named **hello** .
The **Makefile** should include a target named **clean** so that the command

$ make clean

removes the executable file **hello** .

3) Create a tar file called **hello.tar** containing the files **hello.cpp** and **Makefile**. Do
not use data compression to create the tar file.

4) Submit your file **hello.tar** using the **handin** command:

$ handin cs40 hw0 hello.tar

A script will be run in your handin hw0 directory and will execute the following commands:
$ tar xf hello.tar
$ make clean
$ make
$ ./hello > hello.dat

The contents of **hello.dat** will then be checked.