

**Homework 0 Due Tue Oct 9 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 ECS36B 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 24 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 cs36b 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.