

COMP 2160 Programming Practices

Assignment 1

Assignment 1

Due Date: Oct 11th at 11:59pm

Objectives

- Familiarization with C

Note

- Please follow the programming standards (available in UMLearn); not doing so will result in a loss of marks.
- Before you can submit the assignment, you need to submit the Honesty Declaration form digitally in UMLearn. Please refer to the announcement posted in UMLearn on how to do it.
- If you write your code on your own computer, remember to verify your code on the lab machines before submission.

Question1

Take `Power.java` and convert it into an equivalent C program (please name your C program as `power.c`).

Question2

Take `Levenshtein.java` and convert it to an equivalent C program (please name your C program as `levenshtein.c`). The Java code uses the `assert` method. You can use `assert` in C by adding `#include <assert.h>` at the beginning of your `.c` file.

You are strongly recommended to copy and paste the `main` method, replacing `System.out.println` with `printf` (and other appropriate changes) where necessary.

Hand-in Instructions

Create a directory called `comp2160-a1-<yourlastname>-<yourstudentid>`, and place your `.c` files inside the directory.

Then run the command:

```
handin 2160 a1 comp2160-a1-<yourlastname>-<yourstudentid>
```

- You may *optionally* include a README file in your directory that explains anything unusual about compiling or running your programs.
- You may resubmit your assignment as many times as you want, but **only the latest** submission will be kept.
- We only accept homework submissions via handin. Please **do not** e-mail your homework to the instructor or TAs – it will be ignored.
- You **must** submit an Honesty Declaration (digitally in UMLearn). Assignments submitted without a corresponding Honesty Declaration **will not be graded**.
- We reserve the right to refuse to grade the homework, or to deduct marks if these instructions are not followed.