**CpSc 1070 Program Standards**

Your program **must** adhere to the coding standards below. Violations will lead to deductions. In particular,

1. A header comment must be included in each source file. A header comment should contain the following:

/\*

your name (username)   
the course number and section   
the program assignment number   
the due date

Description: Give a brief description of what the program does. The description should make sense to anyone who wants to understand the main points of your program. **Do not** include information about how the program works

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1. **Functions:** Include header documentation for each function. The header documentation should be placed in comments directly above the function header at the function definition, not at the prototype. If no documentation is provided for the function, then you should provide the following:
   1. a brief description of the function
   2. a list of input parameters with a description of each. e.g.
   3. input:
   4. data - a pointer to the data array

elements - the number of elements to process

* 1. the output parameter (if any)

No function body should be longer than 30 lines of code, excluding whitespace.

1. **Statements:** Lines of code should not extend beyond column 80. Diagnostic / debug prints should be disabled/deleted in the final submission.
2. **Identifiers:** Always assume that someone else will be reading your code; therefore, do not use obscure names for variables or functions. Avoid using abbreviations, unless they are well-known. Global variables are not allowed; global constants are.
3. Global variables are not allowed.
4. Use **break** statements only in a switch stmt.
5. **Basic blocks:**Blocks should be enclosed in braces using methods demonstrated in class. Statements in the block should be indented 3 - 4 spaces.
6. **Comments:** Comment sections of code rather than individual lines. A comment should describe what a section of code does. **Do not**comment the obvious, as in the following example:

if (x > y)     //check if x is greater than y

Remove all "STUBBED" comments and any meaningless comments in all files that you modify.

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