

## CPSC 223C Project 2 – diff, due Sunday 10 May 2020

Your name and company name: Elnathan Yoon

Portfolio: [https:// NathanYoon/C-Project-2 .github.io](https://NathanYoon/C-Project-2.github.io)

Verify each of the following items with a corresponding checkmark. Incorrect items will incur a 5% penalty on the grade.

Complete	Incomplete	diff
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Researched <code>diff</code> on the Unix man page and on wikipedia
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<code>diff -v</code> aka <code>--version</code> (prints version, license, and author (you))
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<code>diff -q</code> aka <code>--brief</code> (reports only whether files are different; silent if they are not)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<code>diff -s</code> aka <code>--report-identical-files</code> (reports if files are the same; usual out if they are not)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<code>diff -s -q</code> reports identical with identical files, and different with different files (i.e., it never shows usual output of lines that are different)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<code>diff file1 file2</code> aka <code>--normal</code> (default behavior)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<code>diff -y</code> aka <code>--side-by-side</code> prints common paras unless <code>--suppress-common-lines</code> is set It shows a '<' / '>' for left/right-hand side, nothing for common paragraphs, except a ' ' for any lines that are different in the common paragraphs.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<code>diff -y --left-column</code> (...), prints only the left column of common lines), with '(' to remind that there is a common right-hand paragraph). (' ' is shown for differing lines)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<code>diff -y --suppress-common-lines</code> ... (side-by-side but doesn't show common lines) lines in a common paragraph that differ are shown, along with a ' '
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<pre>diff -c NUM aka --context=NUM, (default 3 lines of copied context) *** 1 2020-03-31 22:51:24.000000000 -0700 (files are l and r) --- r 2020-03-31 22:51:40.000000000 -0700 ..... *** 1,3 **** (lines of context, *** for left file, --- for right file) --- 1,9 ---- + This is an important (+ means add, - means delete,   means different) + notice! It should + therefore be located at + the beginning of this + document! +</pre>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<pre>diff -u NUM aka --unified=NUM (shows NUM default 3 lines of unified context) --- /path/to/original timestamp +++ /path/to/new timestamp @@ -1,3 +1,9 @@ +This is an important +notice! It should +therefore be located at +the beginning of this +document</pre>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Used a header file to prototype all functions in <code>diff.h</code>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Project directory pushed to new GitHub repository listed above using GitHub client.

Your comments