

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

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Portfolio: <https://ykichahine.github.io>

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

| Complete | Incomplete | <i>diff</i> |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Researched <i>diff</i> on the Unix man page and on wikipedia |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>diff -v</i> aka <i>--version</i> (prints version, license, and author (you)) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>diff -q</i> aka <i>--brief</i> (reports only whether files are different; silent if they are not) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>diff -s</i> aka <i>--report-identical-files</i> (reports if files are the same; usual out if they are not) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>diff -s -q</i> 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"/> | <i>diff file1 file2</i> aka <i>--normal</i> (default behavior) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>diff -y</i> aka <i>--side-by-side</i> prints common paras unless <i>--suppress-common-lines</i> 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"/> | <i>diff -y --left-column</i> (...), 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"/> | <i>diff -y --suppress-common-lines</i> ... (side-by-side but doesn't show common lines) lines in a common paragraph that differ are shown, along with a ' ' |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <i>diff -c</i> NUM aka <i>-context=NUM</i> . (default 3 lines of copied context) <pre>*** 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 type="checkbox"/> | <input checked="" type="checkbox"/> | <i>diff -u</i> NUM aka <i>-unified=NUM</i> (shows NUM default 3 lines of unified context) <pre>--- /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 <i>diff.h</i> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Project directory pushed to new GitHub repository listed above using GitHub client. |

Your comments