CSC3320 System Level Programming

Lab Assignment 4 - Part 1 (In- Lab) Answers

Instructor: Fil Rondel

4) \$ grep 'CSC 3' CSC_Course.txt

Attach a screenshot of the output and describe what this command does.

Searches for a text match of 'CSC 3' within the file (case sensitive)

5) \$ grep 'CSC 3|CSC 1' CSC_Course.txt

Attach a screenshot of the output and describe what this command does.

Searches for a text match of either 'CSC 3' or 'CSC 1' within the file (case sensitive) No output because '|' does not register as 'or' in regular grep

6) \$ grep -E 'CSC 3|CSC 1' CSC_Course.txt Attach a screenshot of the output and describe what this command does.

Use extend regular expression

Searches for a text match of either 'CSC 3' or 'CSC 1' within the file (case sensitive)

This time it works because in extended grep, '|' is or.

7) \$ egrep 'CSC 3|CSC 1' CSC_Course.txt

Attach a screenshot of the output and describe what this command does.

Like number six, Searches for a text match of either 'CSC 3' or 'CSC 1' within the file (case sensitive)

This time it works because in extended grep, '|' is or. This time extended grep is formatted as egrep, and not grep -E

8) \$ fgrep '3.000 Credit hours' CSC_Course.txt

Attach a screenshot of the output and describe what this command does.

No output

9) \$ fgrep -x '3.000 Credit hours' CSC_Course.txt Attach a screenshot of the output and describe what this command does.

— No output

10) \$ grep 'CSC.*Programming' CSC_Course.txt

Attach a screenshot of the output and describe what this command does.

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| Clays | Lagosund | Government | Lab | State | CSC | State | CSC | Course | CSC | Course | CSC | Course | CSC | C
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Searches for a text match of 'CSC' and anything in between, followed by the word 'Programming' within the file (case sensitive)

11) \$ grep '^CSC.*Programming\$' CSC_Course.txt Attach a screenshot of the output and describe what this command does.

Searches for a text match of 'CSC' and anything in between, followed by the word 'Programming'. The word Programming needs to be at the end of the line.

12) \$ grep --color 'CSC[^3]*3{2}' CSC_Course.txt

Attach a screenshot of the output and describe what this command does.

No result, {} is not a special character

Reason why is that the regex asks to match any number but 3, then '33'. There are no matches class wise in this document, which is thy the search resulted in no matches.

13) \$ egrep --color -w 'CSC[^3]*3{2}[^3]*' CSC_Course.txt

Attach a screenshot of the output and describe what this command does.

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Prerequisites
CSC 2720 and CSC 3320 with grades of "C" or higher
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This asks to match any line with a three in the middle of it

-w Select only those lines containing matches that form whole words.

14) \$ grep 'CSC.*C++' CSC_Course.txt

Attach a screenshot of the output and describe what this command does.

No result, the two pluses make this an invalid statement.

+ is not a special character in basic regular expression

15) \$ egrep 'CSC.*C\+\+' CSC Course.txt

Attach a screenshot of the output and describe what this command does.

There is no class called CSC C++, so this yields no result. Its canceled by escaped characters.

16) \$ egrep 'CSC.*C++' CSC Course.txt

Please only describe what this command does.

The plusses aren't canceled so they can successfully execute.