

CIS241

System-Level Programming and Utilities

Additional Commands

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Based on material provided by Erin Carrier, Austin Ferguson, and Katherine Bowers

Some more helpful commands!

wc - word count

Usage: **wc** <file>

- Counts lines, words, bytes by default

To narrow it down:

- **wc -l** <file>
 - **-w** for words, **-b** for bytes

Operates on **stdin** if no file specified!

cut - grab columns (of delimited file)

"Delimited" - separated by a certain character

- E.g., commas, tabs, spaces, etc.

Usage: **cut** <options> <file>

Options:

- **--delimiter=X** - set delimiter
- **-f N** - grab Nth delimited field (starting at 1)
- **--complement** - ignore fields instead

Operates on **stdin** if no file specified!

<https://www.geeksforgeeks.org/linux-unix/cut-command-linux-examples/>

tr - translate characters

Usage: `tr <options> <set1> <set2>`

Translates characters in set1 to set2

- Operates on `stdin`

E.g.:

- Replace `a` with `b`: `tr a b < file`
- `tr [:upper:] [:lower:] < file`
- `tr -d '#' < file`

`diff` - check file differences

Usage: `diff <options> <file1> <file2>`

Shows ... file differences!

- Very useful when comparing source files...