wc:Counting lines, words and characters

- **$ cat infile**

  I am the wc command

  I count characters, words and lines

  With options I can also make a selective count

- **$wc infile**

  3 20 103 infile

  wc counts 3 lines, 20 words and 103 charcters

- A line is any group of characters not containing a newline [$wc -l infile]

- A word is a group of characters not containing a space, tab or newline [$wc -w infile]

- A character is smallest unit of information, and includes a space, tab and newline [$wc -c infile]

- When used with multiple filenames, wc produces a line for each file as well as total count

$wc chap01 chap02 chap03

305 4058 23179 chap01

550 4732 28132 chap02

377 4500 25221 chap03

1232 13290 76532 total

comm:what is common

- Compare two sorted files line-by-line

- With no options, comm produces three-column output.

- Column one contains lines unique to FILE1, column two contains lines unique to FILE2, and column three contains lines common to both files.

- $comm f1 file2

```
lenovo@lenovo-Lenovo-G500:~$ comm f1 file2
        anil aggarwal
        barun sengupta
chanchal singhvi
                c.k. shukla
        lalit chowdury
                s.n. dasgupta
sumit chakrobarty
lenovo@lenovo-Lenovo-G500:~$
```

```
lenovo@lenovo-Lenovo-G500:~$ comm f1 file2
        anil aggarwal
        barun sengupta
chanchal singhvi
                c.k. shukla
        lalit chowdury
                s.n. dasgupta
sumit chakrobarty
lenovo@lenovo-Lenovo-G500:~$ comm -3 f1 file2
        anil aggarwal
        barun sengupta
chanchal singhvi
        lalit chowdury
sumit chakrobarty
lenovo@lenovo-Lenovo-G500:~$ comm -13 f1 file2
anil aggarwal
barun sengupta
lalit chowdury
lenovo@lenovo-Lenovo-G500:~$ comm -2 f1 file2
chanchal singhvi
        c.k. shukla
        s.n. dasgupta
sumit chakrobarty
lenovo@lenovo-Lenovo-G500:~$ comm -132 f1 file2
lenovo@lenovo-Lenovo-G500:~$
```