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Cx: Invoked via ./cx. Loops over all arguments in $@. Lets chmod handle file not exists errors.

Nf: Uses ls –l and a regex to determine a file. If an ls –l has a – at the beginning, it is a file. Then counts the number of lines and uses xargs to remove the extra whitespace.

Lss: Uses ls –lS to display everything sorted by bytes. Then uses grep to show only the files.

Whoson: Goes through all the users u in users. If the groups command returns a string that has ugrad in it, then they are added to the output set. Else, it is ignored.

Howmany; Using whoson and wc to count the words returned from whoson.

Valid: For an argument, it attempts to match the argument against a regular expression that begins with a letter, then anything after that.

Prargs: After printing $0, it then goes through all the arguments in $@ and prints it along with a counter.