The cat command

This command is used for displaying content inside of a file the formula it uses is cat + option + files to display and two examples of it are: cat games.txt displays what is the content inside of games.txt cat -n chips.pdf displays the content of chips.pdf with line numbers

The tac command

This command is used for displaying files in reverse order the formula it uses is tac+ option+ files to display examples are: tac list.txt prints the content of list in reverse order

the head command

this command is used for displaying top lines of a file the formula is head+option+files and examples are: head games.py displays the first 10 lines of games head -1 chips.py displays the first line of chips

The tail command

the tail command is used to display the last number of lines in a file the formula it uses is tail+option+file and examples are: tail games.csv prints the last 10 lines of games.csv tail -3 games.csv prints the last 3 lines of games.csv

The cut command

the cut command is used to extract a specfic section of each lin of the file and display it the formula it uses is cut+option+file and examples are: cut -d ':' -f1 /etc/passwd cuts the first field and uses : as the delimiter cut -d ':' -f1 --output-delimited="-" /etc/passwd prints all the users and changes the output delimited to -

The Paste command

the paste command is used for joining files horizontally in columns the formula is paste + option + file and the examples are: paste games.csv chips.txt merges both files paste -d "?" games.csv chips txt merges both files and changes to delimiter to ?

The Sort command

The sort command is used for sorting files the formula it uses is sort + option + file examples are: sort game.csv sorts the file contents in alphabetical order sort -r games.csv sorts the file contents in reverse order

The wc command

the wc command is used for printing the number of lines the formula used is wc+option+files and examples are: wc -w games.csv prints the number of words in the file wc -m games.csv prints the number of characters in the file

The tr command

the tr command is used for translating or deleting characters from standard output the formula standard | tr + option + set + set and examples are: cat chips.txt | tr '.' ';' changes periods inside of a file with semi colons cat games.csv | tr -s "[:lower:]" "," translates each repeated lower case letter inside games.csv with commas

The diff command

the diff command compares files and displays the differences the formula diff + option+ file1+file2 and examples are: diff shoes.txt games.csv shows the differences between shoes and games contents diff -q shoes.txt cereal.txt report only when files differ

the grep command

grep is used to search text in a given file the formula used is grep + option + search criteria + files and examples are: grep 'shoes' ~/Downloads/nike.txt searches for the word shoes inside of nike grep -i 'word' ~/cis106 searches for the word regardless of case sensitivity

The awk command

awk is a scripting language used for processing and displaying text adn can work with a text file or from standard output the formula for the awk command is awk + option + awk command + file +file to save(depends) and Examples are: awk '(print $3)' vibes.txt print the third column of every line of vibes awk -F: '{print $7}' /etc/passwd prints the seventh field of the field awk 'NR > 5 { print }' /etc/passwd starting printing a file after the 4th line awk '{print length($0)}' /etc/passwd prints the length of a record awk -F: '{print toupper($1)}' /etc/passwd prints users in your computer in the uppercase

The sed command

Sed is a stream editore that performs operations on files and standard output the formula is sed options + sed script + file and examples are: sed 's/onions/peppers' grocerystock.csv changes onions for peppers inside of grocerystock sed '1d' store.txt removes the first line in store sed 'G;G' concert.txt places two blank lines after each line in concert sed 's/sun/clouds/g' earth.txt replaces all occurences of sun with clouds sed '/abc/d' alphabet.txt deletes the line that matches the pattern