Week Report 7

Handling Text Files

cat command

What is the command used for? Command is used for displaying the content of a file. **What is the formula of the command?** `cat + option + files to display` **2 examples of using the command** `cat -n ~/Documents/cars.md` `cat -b ~/Documents/movies.md`

tac command

What is the command used for? Command is used for displaying the content of a file in reverse order. **What is the formula of the command?** `tac + option + files to display` **2 examples of using the command** `tac games.md` `tac ~/Documents/apps.md`

head command

What is the command used for? Command displays the top N number of line. Prints the first 10 lines. **What is the formula of the command?** `head + option + files` **2 examples of using the command** `head ~/Documents/book/bible.txt` `head -3 ~/Documents/book/bible.txt`

tail command

What is the command used for? Command displays the last N number of line. Prints the last 10 lines. **What is the formula of the command?** `tail + option + file` **2 examples of using the command** `tail ~/Documents/book/history.txt` `tail -4 ~/Documents/book/history.txt`

cut command

What is the command used for? Command used to extract a specific section of each line of a file and display it. **What is the formula of the command?** `cut + option + files` **2 examples of using the command** `cut -d ':' f1 /etc/passwd` `cut -d ':' -f1,5 /etc/passwd`

paste command

What is the command used for? Command used for joining files horizontally in a columns. **What is the formula of the command?** `paste + option + files` **2 examples of using the command** `paste users.lst social_number.lst` `paste -d ":" users2.lst social_number.lst`

sort command

What is the command used for? Command used for sorting files by alphabetically in reverse order by number and by month. **What is the formula of the command?** `sort + option + file` **2 examples of using the command** `sort -o sorted.lst users.lst` `sort -k 4 users.txt`

wc command

What is the command used for? Command used for printing the number of lines characters and bytes in a file. **What is the formula of the command?** `wc + option + files` **2 examples of using the command** `wc -m michael.txt` `wc -w michael.txt`

tr command

What is the command used for? Command used for translating or deleting characters from standard output. **What is the formula of the command?** `Standard output | tr + option + set + set` **2 examples of using the command** `cat program.py | tr "[:space:]" '/t'` `cat file.py | tr -s "[:space:]" '/t'`

diff command

What is the command used for? Command used for compares files and displays the differences between them. **What is the formula of the command?** `diff + option + file1 + file2` **2 examples of using the command** `diff movies.mov movies-backup.mov` `diff -y music.mp4 music-backup.mp4`

grep command

What is the command used for? Command used for search text in given files. **What is the formula of the command?** `grep + option + search criteria + file` **2 examples of using the command** `grep 'halloween' ~/Documents/halloween.txt` `grep -i 'halloween' ~Documents/halloween.txt`

awk command

What is the command used for? Command used for processing and displaying text. **What is the formula of the command?** `awk + option + {awk command} + file + file to save` **5 examples of using the command** `awk '{print $3}' ~Documents/mp3/songs.mp3` `awk 'NR > 4 { print }' /etc/passwd` `awk -F '{print $NF}' /etc/passwd` `awk -F '{print NR,$2,5} /etc/passwd` `awk -F '{print toupper($7)}' /etc/passwd`

sed command

What is the command used for? Command used for a stream editor the performs operations on files and standard output. **What is the formula of the command?** `sed option + sed script + file` **5 examples of using the command** `sed 's/cereal/chip/5' shopping-list.lst` `sed 's/fruits/oatmeal/g' shopping-list.lst` `sed '3 s/meat/chicken/' shopping-list.lst` `sed '1,3 s/fish/cake/' shopping-list.lst` `sed '5d' shopping-list.lst`