Week Report 7

Cat Command

- What is the command used for
    - Displaying the content of a file
- What is the formula of the command
    - cat + option + file(s)
- Examples
    - cat dracula.txt
    - cat -n bible.txt

Tac Command

- What is the command used for
    - displaying contents of file in reverse order
- What is the formula
    - tac + option + file(s)
- Examples
    - tac bible.txt
    - tac todo.md

head command

- What is the command used for?
    - Displays top N number of lines of a given file
- What is the formula for the command
    - head + option + file(s)
- Examples
    - head -5 dracula.txt
    - head-10 bible.txt

tail command

- what is the command used for
    - last N number of lines in a file
- what is the formula for the command
    - tail + option + file
- Example
    - tail -5 dracula.txt
    - tail -10 bible.txt

cut command

- what is the command used for
    - extract a specific section of each line of a file
- what is the formula

- cut + option + file(s)
- Examples
    - cut -d ':' -f1 /etc/passwd
    - cut -d ':' -f1,7 /etc/passwd

paste command

- What is the command used for
    - paste command is used for joining files horizontally
- What is the formula for the command
    - paste + option + file(s)
- Example
    - pase users.lst ip_address.lst
    - pase -d ":" users1.lst ip_addresses.lst

sort command

- what is the command used for
    - sorting files
- what is the formula
    - sort + option + file(s)
- example
    - sort users.lst
    - sort -o sorted.lst users.lst

wc command

- what is the command used for
    - used for printing the number of lines characters, and bytes in a file
- what is the formula
    - wc + option + file(s)
- example
    - wc -m users.txt
    - wc -l users.txt

tr command

- wHat is the command used for
    - translating or deleting characters from standard output
- what is the formula
    - standard output | tr + option + set + set
- example
    - cat file.txt | tr '.' ','
    - cat program.py | tr "{:space:}" '\t'

diff command

- wHat is the command used for

- difference of files and displays the difference between them
- what is the formula
  - diff + option + file1 + file 2
- example
  - diff cars.csv cars-backup.csv
  - diff -y cars.csv cars-backup.csv

Grep command

- wHat is the command used for
  - search text in a given file
- what is the formula
  - grep + option + search criteria + file(s)
- example
  - grep 'dracula' dracula.txt
  - grep 'jesus' bible.txt

awk command

- wHat is the command used for
  - scripting language used for processing and displaying text
- what is the formula
  - awk + options + {awk command} + file
- example
  - awk -F: '{print $1}' cars.csv
  - awk -F: '{print $3,4}' cars.csv
  - awk -F: '{print $7}' cars.csv
  - awk -F: '{print $NF}' cars.csv
  - awk -F: '{print $1, " = ",$4}' cars.csv

Sed Command

- What is the command used for
  - stream editor that performs operations n files and standard output
- What is the formula
  - sed options + sed script + file
- Example
  - sed 's/pizza/rice/' shopping-list.lst
  - sed '5d' shopping-list.lst
  - sed'$d' shopping-list.lst
  - sed G shopping-list.lst
  - sed 'G;G' shopping-list.lst