Introduction 2

sort command:

Description: Sorts lines of text files.

Usage: sort [options] file

Examples:

- sort sort.txt
- sort -n sort.txt

uniq command:

Description: Removes duplicate lines from sorted files.

Usage: uniq [options] file

Example:

- uniq sort.txt

grep command:

Description: Searches for patterns in files.

Usage: grep [options] pattern [file(s)]

Examples:

- grep 12 sort.txt , this gives us the occurrences of the number "12".

- grep -v 12 sort.txt , this gives us the lines that doesn't contains "12".
- grep -n 12 sort.txt , this gives us the line number that contains "12".
- grep '[A-Z]' sort.txt Lines from sort.txt containing a capital letter .
- grep '[0-9]' sort.txt Lines from sort.txt containing a number .
- grep '[A-Z]...[0-9]' sort.txt Lines from sort.txt containing five-character patterns that start with a capital letter and end with a digit
- grep '\.pic$' file Lines from sort.txt that end in .pic.

ps command:

Description: Displays information about processes.

Usage: ps [options]

Example:

- ps -ef

kill command:

Description: Sends signals to processes to terminate them.

Usage: kill [signal] PID

Examples:

- kill -9 1234
- kill %

wc command:

Description: Counts words, lines, and characters in a file.

Usage: wc [options] file

Examples:

- wc wc.txt -> number of lines words char.
- wc -l wc.txt -> number of lines.
- wc -w -> number of words.
- wc -c -> number of characters.

cut command:

Description: Extracts specific fields or characters from a file.

Usage: cut [options] file

Examples:

- cut -d: -f1 /etc/passwd
- cut -c1-8 /etc/passwd

paste command:

Description: Merges lines from multiple files.

Usage: paste [options] file1 file2 ...

Example:

- paste names.txt numbers.txt
- paste -s names.txt , this will show the names between each others.
- paste -d'+' names.txt address.txt , this will separate the two strings from each others with a + .

find command:

Description: Searches for files in a directory hierarchy.

Usage: find [options] directory -name filename

Example:

- find . -name hameed.txt , this will search and return the path (if found) for the text file hameed.txt from the current directory and the sub directories.
- find / -name hameed.txt , this will search for the file from the root.

- **find . -name *abdalhameed*** , this will search for the string "abdalhameed".
- **find . -name a*abdalhameed*b** , this will search for a string that starts with a and contains the string "abdalhameed" and ends with b.

tr command:

Description: Translates or deletes characters in a stream.

Usage: tr [options] from_chars to_chars

Examples:

- **tr : '\11'**
- **tr -s ' '** , this removes the duplicated occurrences of the "space" char.
- **tr -d ' '** , this removes the char "space".

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