

Weekly Report

1. cat

Purpose: Concatenate and display the content of files. **Syntax:** `cat [file] cat "dracula.txt" cat "libros.txt libros2.txt" cat "documents.txt"`

2. tac

Purpose: Display the content of files in reverse order. **Syntax:** `tac [FILE] tac "bibla.txt" tac "cats.txt dogs.txt"`

3. head

Purpose: Output the first part of files. **Syntax:** `head [OPTION] [FILE] head -n 3 "document.txt" head -c 15 "document.txt"`

4. tail

Purpose: Output the last part of files. **Syntax:** `tail [OPTION] [FILE] tail -n 3 "document.txt" tail -f "document.txt"`

5. cut

Purpose: Remove sections from each line of files. **Syntax:** `cut [OPTION] [FILE] cut -d':' -f2 "document.txt" cut -b 6-10 "document.txt" cut -c 3-7 "document.txt"`

6. paste

Purpose: Merge lines of files. **Syntax:** `paste [OPTION] [FILE] paste -d ',' "example.txt example.txt" paste -s "file.txt document.txt"`

7. sort

Purpose: Sort lines of text files. **Syntax:** `sort [OPTION] [FILE] sort "file.txt" sort -r "document.txt" sort -k3,3n "example.txt"`

8. wc

Purpose: Print the number of lines, words, and bytes in a file. **Syntax:** `wc [OPTION] [FILE] wc -l "document.txt" wc -w "examplefile.txt"`

9. tr

Purpose: Translate or delete characters. **Syntax:** `tr [OPTION] SET1 [SET2] cat "document.txt" | tr 'a-z' 'A-Z' cat "examplebook.txt" | tr ',' ' ';'`

10. diff

Purpose: Compare files line by line. **Syntax:** `diff [OPTION] FILES diff -y "fileA.txt fileB.txt" diff --color=auto "fileA.txt fileB.txt"`

11. grep

Purpose: Search for patterns in files. **Syntax:** `grep [OPTION] PATTERN [FILE] grep 'apple' "document.txt" grep -i 'orange' "document.txt" grep -r 'pattern' "/path/to/directory"`

12. awk

Purpose: Process and display text. **Syntax:** `awk [OPTION] [program] [input-file] awk '{print $2}' "document.txt" awk -F, '{print $1, $3}' "/etc/passwd" awk 'NR > 2 {print}' "dracula.txt" awk '{print length($0)}' "document.txt"`

13. sed

Purpose: Stream editor for performing operations on files and standard output. **Syntax:** `sed [OPTION] {script} [file] sed 's/apples/bananas/' "example.txt" sed '1,$s/old/new/' "document.txt" sed '/**.md/d' "document.txt" sed '1,4 s/past/future/' "book.txt"`