



## 2. File Viewing and Editing:

---

### File Viewing Commands

- `cat filename` – Display file contents
- `tac filename` – Display file in reverse
- `less filename` – View large files with scrolling
- `more filename` – View files page by page
- `head -n N filename` – Show first N lines
- `tail -n N filename` – Show last N lines
- `tail -f filename` – Live monitor file changes
- `nl filename` – Show file with line numbers
- `awk '{print $1, $3}' filename` – Extract specific columns
- `sed -n '5,10p' filename` – Show lines 5 to 10
- `strings binaryfile` – Extract readable text from binaries

### File Editing Commands

- `nano filename` – Simple text editor
- `vim filename` – Advanced text editor
- `vi filename` – Older version of vim

- `sed -i 's/old/new/g' filename` – Replace text in a file
  - `awk '{gsub(/old/, "new"); print}' filename > new file` – Modify file contents
  - `echo "Text" > filename` – Overwrite file
  - `echo "Text" >> filename` – Append to file
  - `tee filename` – Write and display output
  - `ed filename` – Basic line editor
-