

File and Directory Management

- **ls** - List directory contents
- **cd** - Change directory (e.g., `cd Documents`)
- **pwd** - Print the current working directory path
- **mkdir** - Create a new directory (e.g., `mkdir Photos`)
- **rmdir** - Remove an empty directory (e.g., `rmdir old_folder`)
- **touch** - Create an empty file (e.g., `touch notes.txt`)
- **cp** - Copy files (e.g., `cp report.doc backup_report.doc`)
- **mv** - Move/rename files (e.g., `mv old_notes.txt Notes/`)
- **rm** - Remove files and directories (e.g., `rm junk.txt`)

Text Manipulation

- **cat** - Display file contents (e.g., `cat shopping_list.txt`)
- **less** - View file contents with scrolling (e.g., `less long_document.txt`)
- **head** - Display the first few lines of a file (e.g., `head top_lines.txt`)
- **tail** - Display the last few lines of a file (e.g., `tail updates.log`)
- **grep** - Search for text patterns in files (e.g., `grep "error" system.log`)
- **nano** - Simple command-line text editor (e.g., `nano mynotes.txt`)

System Information

- **uname -a** - Print detailed system information
- **whoami** - Show the current username
- **df -h** - Display disk space usage (human-readable)
- **free -h** - Show memory (RAM) usage (human-readable)
- **date** - Show the current date and time
- **cal** - Display a calendar of the current month

Process Management

- **ps** - List running processes
- **top** - Show real-time view of running processes
- **kill** - Send a signal to a process (e.g., `kill -9 1234`)

Permissions

- **chmod** - Change file/directory permissions (e.g., `chmod 755 script.sh`)
- **chown** - Change file/directory ownership (e.g., `chown newuser:newgroup file.txt`)

Networking

- **ping** - Check connectivity to a host (e.g., `ping google.com`)
- **ifconfig** - View and configure network interfaces
- **wget** - Download files from the internet (e.g., `wget https://example.com/image.jpg`)

Finding Things

- **find** - Search for files based on various criteria (e.g., `find . -name 'report*'`)
- **locate** - Quickly find files by name (might need to update the locate database first)

Compression and Archiving

- **tar** - Create and extract archives (e.g., `tar -cvzf backup.tar.gz Documents`)
- **gzip** - Compress files (e.g., `gzip bigfile.txt`)
- **gunzip** - Decompress files (e.g., `gunzip bigfile.txt.gz`)