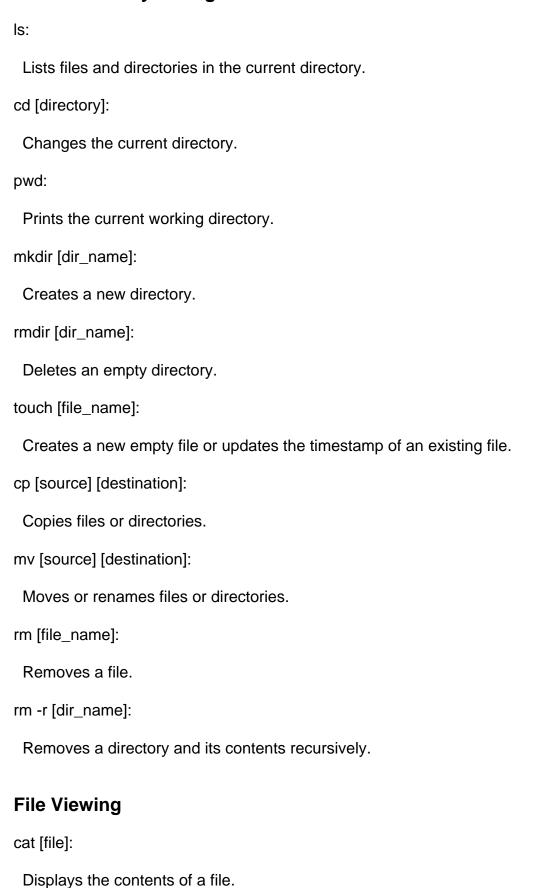
Basic Linux Commands with Description

File & Directory Management



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less [file]:
 Views a file one page at a time (scrollable).
more [file]:
 Views a file one page at a time (older than less).
head [file]:
 Shows the first 10 lines of a file.
tail [file]:
 Shows the last 10 lines of a file.
tail -f [file]:
 Continuously monitors a file (e.g., logs).
Searching & Finding
find [path] -name [filename]:
 Searches for files by name.
grep "[pattern]" [file]:
 Searches for a pattern in a file.
locate [filename]:
 Searches files using a pre-built database.
which [command]:
 Shows the full path of a command.
Package Management (Debian/Ubuntu)
sudo apt update:
 Updates the list of available packages.
sudo apt upgrade:
 Installs available updates.
sudo apt install [package]:
 Installs a package.
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sudo apt remove [package]:
Uninstalls a package.
User Management
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whoami:
Displays the current username.
adduser [username]:
Adds a new user.
passwd [username]:
Changes a user's password.
su [user]:
Switches to another user.
logout:
Logs out of the current session.
System Information
uname -a:
Displays system info.
top:
Shows running processes.
htop:
Interactive version of top (needs to be installed).
df -h:
Shows disk space usage.
free -h:
Shows memory usage.
uptime:
Shows how long the system has been running.

hostname: Shows or sets the system's hostname. **Permissions** chmod [mode] [file]: Changes file permissions. chown [owner] [file]: Changes file ownership. **Networking** ping [host]: Tests connectivity to a host. ifconfig: Shows network interfaces (older). ip a: Shows network interfaces (modern). netstat -tuln: Lists listening ports and services. curl [url]: Fetches data from a URL. wget [url]: Downloads a file from the web. **Other Useful Commands**

man [command]:

Opens the manual for a command.

history:

Shows previously used commands.

clear:
Clears the terminal screen.
echo "text":
Prints text to the screen.
date:
Displays current date and time.
cal:
Displays a calendar.