

# Linux Commands Cheat Sheet

## Basic Commands

- ls – List directory contents
- pwd – Print current working directory
- cd – Change directory
- mkdir – Create a directory
- rmdir – Remove a directory
- touch – Create an empty file
- cp – Copy files or directories
- mv – Move or rename files
- rm – Remove files

## File Viewing

- cat – View file contents
- less – View file interactively
- head – First lines of a file
- tail – Last lines of a file

## Permissions

- chmod – Change file permissions
- chown – Change file owner
- chgrp – Change file group owner

## Networking

- ping – Test connectivity
- ifconfig/ip – View network configuration
- curl – Transfer data from URLs
- wget – Download files

## System Info

- top – Monitor processes
- htop – Enhanced process viewer
- df – Disk space usage
- du – Directory size usage
- uname – System info

## Package Management (Debian/Ubuntu)

- apt update – Update package lists
- apt install <pkg> – Install package
- apt remove <pkg> – Remove package

## Package Management (CentOS/RHEL)

- yum install <pkg>
- yum remove <pkg>
- dnf install <pkg>

## Compression

- tar -cvf – Create archive
- tar -xvf – Extract archive
- gzip – Compress file

- gunzip – Decompress file

### **Search**

- grep – Search text
- find – Search files

### **Other Useful**

- sudo – Run command as superuser
- man – Manual for commands
- history – Show command history