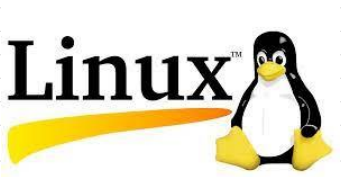
Hardware Commands			**Users**	
`cat /proc/cpuinfo`	CPU info		`id`	Active users
`cat /etc/os-release`	OS Version		`last`	Show last system logins:
`dmesg`	Show boot up messages		`who`	Display who is currently logged in
`free -h`	Display free and used memory		`w`	Show which users are logged in and their activity:
`lsblk`	information about block devices			
`lspci -tv`	Show PCI devices in a tree-like diagram		`groupadd [group_name]`	Add a new group
`lsusb -tv`	Display USB devices in a tree-like diagram		`adduser [user_name]`	Add new user
`dmidecode`	Show hardware information from the BIOS		`usermod -aG [group_name] [user_name]`	Add user to group
`hdparm -i /dev/disk`	Display disk data		`userdel [user_name]`	Delete a user
			`usermod`	Modify user information with:
			`chgrp [group-name] [directory-name]`	Change directory group:
Searching				
`grep [pattern] [file_name]`	Search for a specific pattern in a file with grep			
`grep -r [pattern] [directory_name]`	Recursively search for a pattern in a directory		**System Management and Information**	
`locate [name]`	Find all files and directories related to a particular name		`uname -r`	Show system information:
`find [/folder/location] -size [+100M]`	See files larger than a specified size in a folder		`uname -a`	See kernel release information:
`find /home/john -name 'prefix*'`	Find files in /home/john that start with "prefix".		`uptime`	System uptime
`find [/folder/location] -name [a]`	List names that begin with a specified character [a] in a specified location [/folder/location] by using the find command			
`whereis`	Locate the binary, source, and manual pages for a command		`hostname -i`	Show the IP address of the system
`which app`	Which app is run by default		`last reboot`	Reboot history
			`timedatectl`	Query and change the system clock
File Commands			`shutdown [hh:mm]`	Schedule a system shutdown
`ln -s /path/to/[file_name] [link_name]`	Create a symbolic link to a file		`shutdown now`	Shut Down the system immediately:
`ls | xargs wc`	List number of lines/words/characters in each file in a directory		**Network**	
`awk '[pattern] {print $0}' [filename]`	Print all lines matching a pattern in a file		`ip addr show`	List IP addresses and network interfaces:
`shred -u [filename]`	Overwrite a file to prevent its recovery, then delete it:		`ip address add [IP_address]`	Assign an IP address to interface eth0:
`diff [file1] [file2]`	Compare two files and display differences		`ifconfig`	Display IP addresses of all network interfaces with:
`rsync -a /home /backups/`	Synchronize /home to /backups/home			
			`netstat -pnltu`	See active (listening) ports
File Compression and Archive			`netstat -nutlp`	Show tcp and udp ports and their programs
`tar cf [compressed_file.tar] [file_name]`	Archive an existing file:		`whois [domain]`	Display more information about a domain:
`tar xf [compressed_file.tar]`	Extract file		`dig [domain]`	Show DNS information about a domain
`tar czf [compressed_file.tar.gz]`	Create a gzip compressed tar file		`dig -x host`	Do a reverse lookup on domain:
`gzip [file_name]`	Compress a file with the .gz extension		`dig -x [ip_address]`	Do reverse lookup of an IP address:
			`host [domain]`	Perform an IP lookup for a domain:
Disk Usage			`nslookup [domain-name]`	Receive information about an internet domain:
`df -h`	Free and used space on mounted systems		`traceroute`	Trace all the network hops to reach the destination
`df -i`	Free inodes on mounted filesystems		`tcpdump -i eth0`	Capture and display all packets on interface eth0
`fdisk -l`	Display disk partitions, sizes, and types		`tcpdump -i eth0 'port 80'`	Monitor all traffic on port 80 (HTTP)
`du -ah`	Disk usage for all files and directory:			
`du -sh`	Show disk usage of the directory			
`findmnt`	Display target mount point for all filesystem			
`mount [device_path] [mount_point]`	Mount a device			

Common Linux Commands Cheat Sheet