Display the value of a variable.

echo \$[variable-name]

Keyboard Shortcuts		Users and Groups		Files		System Management		Processes	
Ctrl + C	Kill process running in the	id	See details about the	mkdir [directory_name]	Create a new directory.	uname -r	Show system information	ps	List active processes.
	terminal.	last	active users. Show the last system	rm [file_name]	Remove a file.		via uname command.	pstree	Show processes in a tree-
Ctrl + Z	Stop the current process. The process can be resumed in the foreground	iast	logins.	rm -r [directory_name]	Remove a directory recursively.	uname -a	See kernel release information.	pmap	like diagram. Display a memory usage
	with fg or in the background with bg .	who	Display who is currently logged into the system.	rm -rf [directory_name]	Recursively remove a	uptime	Display how long the system has been running,		map of processes.
Ctrl + W	Cut one word before the cursor and add it to the	w	Show which users are logged in and their		directory without requiring confirmation.	hostname	including the load average. View system hostname.	top	See all running processes. Interactive and colorful
6.1.11	clipboard.	finger [user_name]	activity. Show user information.	cp [source_file] [destination_file]	Copy the contents of one file to another file.	hostname -i	Show the IP address of the		process viewer.
Ctrl + U	Cut part of the line before the cursor and add it to the clipboard.	sudo useradd	Create a new user account.	cp -r [source_directory] [destination_directory]	Recursively copy a directory to a second	last reboot	system. List system reboot history.	kill [process_id]	Terminate a Linux process under a given ID.
Ctrl + K	Cut part of the line after the	[user_name] sudo adduser	Create a new user account	my [source file]	directory. Move or rename files or	date	See current time and date.	pkill [process_name]	Terminate a process under a specific name.
	cursor and add it to the clipboard.	[user_name]	through the adduser command interface.	mv [source_file] [destination_file]	directories.	timedatectl	Query and change the system clock.	killall [label]	Terminate all processes with a given label.
Ctrl + Y Ctrl + R	Paste from clipboard. Recall the last command	sudo userdel [user_name]	Delete a user account.	In -s [path]/[file_name] [link_name]	Create a symbolic link to a file.	cal	Show current calendar	prgrep [keyword]	List processes based on the
Cui + K	that matches the provided characters.	sudo usermod -aG [group_name]	Modify user information (add a user to	touch [file_name]	Create a new file.	w	(month and day). List logged-in users.	pidof [process_name]	provided keyword. Show the PID of a process.
Ctrl + O	Run the previously recalled command.	[user_name] passwd	a group). Change the current user's	cat [file_name] cat [source_file] >>	Show the contents of a file. Append file contents to	whoami	See which user you are using.	bg	List and resume stopped jobs in the background.
Ctrl + G	Exit command history	sudo passwd [user_name]		[destination_file]	another file.	finger [user_name]	Show information about a		Bring the most recently
	without running a command.	sudo groupadd [group_name]	Add a new group.	head [file_name]	Show the first ten lines of a file.	ulimit [flags] [limit]	particular user. View or limit system	fg	suspended job to the foreground.
clear	Clear the terminal screen.	sudo groupdel	Delete a group.	tail [file_name]	Show the last ten lines of a file.		resource amounts.	fg [job]	Bring a particular job to the foreground.
!!	Run the last command again.	[group_name] sudo groupmod -n	Modify a user group	more [file_name]	Display contents of a file page by page.	shutdown [hh:mm]	Schedule a system shutdown.	Isof	List files opened by running processes.
exit	Log out of the current session.	[new_name] [old_name] sudo [command]	(change group name). Temporarily elevate user	less [file_name]	Show the contents of a file	shutdown now	Shut down the system immediately.	trap "[commands]"	Catch a system error
Sea	rching	Sado (cominana)	privileges to superuser or root.	nano [file_name]	with navigation. Open or create a file using	modprobe [module_name]	Add a new kernel module.	[signal]	signal in a shell script. Executes provided commands when the signal
find [path] -name	Find files and	su - [user_name]	Switch the user account or become a superuser.	vi [file_name]	the nano text editor. Open or create a file using	dmesg	Show bootup messages.	weit	is caught. Pause the terminal or a
[search_pattern]	directories that match the specified pattern in a specified location.	chgrp [group_name] [file/	Change file or directory	vim [file_name]	the Vi/Vim text editor.	N	etwork	wait	Bash script until a running process is completed.
find [path] -size [+100M]	See files and directories larger than a specified size	directory]	group.	gpg -c [file_name] gpg [file_name].gpg	Encrypt a file. Decrypt an	ip addr show	List IP addresses and	nohup [command] &	Run a Linux process in the background.
	in a directory.	SSH	Login		encrypted . <i>gpg</i> file.	ip address add	network interfaces. Assign an IP address to	Hardware	e Information
grep [search_pattern] [file_name]	Search for a specific pattern in a file with grep.	ssh [user_name]@[host]	Connect to a remote host as a user via SSH.	wc -w [file_name]	Show the number of words, lines, and bytes in a file.	[IP_address] ifconfig	interface eth0 . Display IP addresses of all	Iscpu	See CPU information.
grep -r [search_pattern] [directory_name]	Recursively search for a pattern in a directory.	ssh [host]	Securely connect to a host via SSH default	ls xargs wc	List the number of lines/	liconing	network interfaces.	Isblk	See information about
locate [name]	Locate all files and directories related to a	ssh -p [port]	port 22. Connect to the host		words/characters in each file in a directory.	ping [remote_host] netstat -pnltu	Ping remote host. See active (listening) ports	lspci -tv	block devices. Show PCI devices in a tree-
which [command]	particular name. Search the command	[user_name]@[host]	using a particular port. Generate SSH key pairs.	cut -d [delimiter] [file_name]	Cut a section of a file and print the result to standard output.		with the netstat command.	lsusb -tv	like diagram.
Wileit [command]	path in the \$PATH environment	ssh-keygen sudo service sshd start	Start SSH	[data] cut -d [delimiter]	Cut a section of piped data	netstat -tuln	Show TCP and UDP ports and their programs.		Display USB devices in a tree-like diagram.
whereis [command]	variable. Find the source, binary,	scp [file_name]	server daemon. Securely copy		and print the result to standard output.	whois [domain_name]	Display more information about a domain.	lshw	List hardware configuration information.
	and manual page for a command.	[user_name]@[host]:[remote_path]	files between local and remote systems via SSH.	shred -u [file_name]	Overwrite a file to prevent its recovery, then delete it.	dig [domain_name]	Show DNS information about a domain using	cat/proc/cpuinfo	Show detailed CPU information.
awk '[search_pattern] {print \$0}' [file_name]	Print all lines matching a pattern in a file. See also	sftp [user_name]@[host]	Interactive file transfer over encrypted SSH	diff [first_file] [second_file]	Compare two files and display differences.	dig -x [domain_name]	the dig command. Do a reverse DNS lookup	cat /proc/meminfo	View detailed system memory information.
	the gawk command, the GNU version of awk .		session using SFTP protocol.	source [file_name]	Read and execute the file content in the current shell.	dig -x [IP_address]	on the domain. Do a reverse DNS lookup of	cat /proc/mounts	See mounted file systems.
sed 's/[old_text]/ [new_text]/' [file_name]	Find and replace text in a specified file.	telnet [host]	Connect to the host via Telnet default port	[command] tee [file_name] >/dev/null	Store the command output in a file and skip the		an IP address.	free -h	Display free and used memory.
Directory Navigation			23.	[me_name] >/dev/ndm	terminal output.	host [domain_name]	Perform an IP lookup for a domain.	sudo dmidecode	Show hardware information from the BIOS.
ls	List files and directories in	File Per	rmissions	Disk	Usage	hostname -I	Show the local IP address	hdparm -i /dev/ [device_name]	Display disk data information.
ls -a	the current directory. List all files and directories	chmod 777 [file_name]	Assign read, write, and execute file permission to everyone (rwxrwxrwx).	df -h	Check free and used space on mounted systems.	nslookup [domain_name]	Receive information about an internet domain.	hdparm -tT /dev/	Conduct a read speed test
	in the current directory (shows hidden files).	chmod 755 [file_name]	Give read, write, and	df -i	Show free inodes on	File Co	ompression	[device_name] badblocks -s /dev/	on the device/disk. Test for unreadable blocks
ls -l	List files and directories in long format.		execute permission to owner, and read and execute permission to	fdisk -l	mounted file systems. Display disk partitions,	tar cf [archive.tar] [file/ directory]	Archive an existing file or directory.	[device_name]	on the device/disk.
pwd	Show the directory you are currently working in.		group and others (rwxr-xr-x).		sizes, and types with the command.	tar xf [archive.tar]	Extract an archived file.	rsck /dev/[device_name	Run a disk check on an unmounted disk or partition.
cd	Change	chmod 766 [file_name]	Assign full permission to the owner, and read and	du -ah	See disk usage for all files and directories.	tar czf [archive.tar.gz]	Create a . <i>gz</i> compressed tar archive.	Shell (Commands
cd ~ cd	directory to \$HOME. Move up one directory		write permission to the group and others (rwxrw-rw-).	du -sh	Show disk usage of the current directory.	gzip [file_name] gunzip [file_name.gz]	Compress or decompress . <i>gz</i> files.	alias [alias-	Create an alias for a
cd -	level. Change to the previous	chown [user_name]	Change the ownership of	mount	Show currently mounted	bzip2 [file_name] bunzip2 [file_name.bz2	Compress or decompress 2] .bz2 files.	name]='[command]' watch -n [interval-in-	command. Set a custom interval to
	directory.	[file_name]	a file with chown command.	findmnt	file systems. Display target mount		Transfer	seconds] [command]	run a user-defined command.
cd [directory_path]	Change location to a specified directory.	chown [user_name]:[group_nam e] [file_name]	Change the owner and group ownership of a file.	mount [device_path]	point for all file systems. Mount a device.	scp [source_file]	Copy a file to a server	sleep [time-interval] &8 [command]	υ Postpone the execution of a command.
dirs	Show current directory stack.		at, CentOS, Fedora)	[mount_point]	meant a device.	[user]@[remote_host]:[o stination_path]	de directory securely.	at [hh:mm]	Create a job to be executed at a certain time
Packages (Debian/Ubuntu)		sudo yum install	Install a package using	Packages	(Universal)	rsync -a [source_directory]	Synchronize the contents of a directory with a		(Ctrl+D to exit prompt after command).
sudo apt-get install [package_name]	Install an APT package using the apt-get	[package_name]	the YUM package manager.	tar zxvf [file_name.tar.gz] cd [extracted_directory] ./configure make	Install software from source code.	[user]@[remote_host]:[a stination_directory]	, ,	man [command]	Display a built-in manual for a command.
sudo apt install	package utility. Install an APT package	yum search [keyword]	Find a package in the YUM repositories based	make install		wget [link]	Download files from FTP or web servers.	history	Print the command
[package_name]	using a newer APT package package manager.	yum list installed	on the provided keyword. List all packages installed	sudo snap install [package_name]	Install a Snap package.	curl -O [link]	Transfer data to or from a server with various		history used in the terminal.
apt search [keyword]	Search for a package in the APT repositories.		with YUM.	sudo snap find [keyword]	Search for a package in the Snap store.	ftp [remote_host]	protocols. Transfer files between	Va	riables
apt list	List packages installed with APT.	yum info [package_name	Show package information for a package.	sudo snap list	List installed Snap packages.		local and remote systems interactively using FTP.	let "[variable_name]=[value	Assign an integer value to]" a variable.
apt show	Show information about a	sudo dnf install [package_name]	Install a package using the DNF package	flatpak install [package_name]	Install a Flatpak package.	sftp [user]@[remote_host]	Securely transfer between local and remote hosts	export [variable_name]	Export a Bash variable.
[package_name] sudo dpkg -i	package. Install a . <i>deb</i> package with		manager.	flatpak search [keyword]	Search for a Flatpak		using SFTP.	declare [variable-name]: "[value]"	= Declare a Bash variable.
[package_name.deb]	the Debian package manager.	sudo rpm -i [package_name.rpm]	Install a . <i>rpm</i> package from a local file.	flatpak list	application in repositories. List installed Flatpack			set	List the names of all the shell variables and
sudo dpkg -l	List packages installed with dpkg.				packages.			unset [variable_name]	functions. Remove an environment
								[variable.