## **LINUX COMMANDS CHEAT SHEET**

System			File Permission		
uname uname -r	=>	Displays Linux system information Displays kernel release information	chmod octal filename	=>	Change file permissions of the file to octal
uptime	=>	Displays how long the system has been running including	Example chmod 777 /data/test.c	=>	Set rwx permissions to owner, group and everyone (every
hostname	=>	load average Shows the system hostname	chmod 755 /data/test.c	=>	one else who has access to the server)  Set rwx to the owner and r_x to group and everyone
hostname -i	=>	Displays the IP address of the system	chmod 766 /data/test.c	=>	Sets rwx for owner, rw for group and everyone
last reboot	=>	Shows system reboot history	chown owner user-file	=>	Change ownership of the file
date timedatectl	=>	Displays current system date and time	chown owner-user: owner file_name	er-group	p => Change owner and group owner of the file
cal	=>	Query and change the System clock  Displays the current calendar month and day	chown owner-user:owne	r-group	- => Change owner and group owner of the directory
w	=>	Displays currently logged in users in the system	directory		
whoami	=>	Displays who you are logged in as	Network		Q.
finger username	=>	Displays information about the user	ip addr show	=>	Displays IP addresses and all the network interfaces
Hardware			ip address add 192.168.0.1/24 dev	=>	Assigns IP address 192.168.0.1 to interface eth0
dmesg	=>	Displays bootup messages	eth0 ifconfig	=>	Displays IP addresses of all network interfaces
cat /proc/cpuinfo	=>	Displays more information about CPU e.g model, model name, cores, vendor id	ping host	=>	ping command sends an ICMP echo request to establish
cat /proc/meminfo	=>	Displays more information about hardware memory e.g. Total and Free memory	whois domain	=>	connection to server / PC Retrieves more information about a domain name
Ishw	=>	Displays information about system's hardware configuration	dig domain	=>	Retrieves DNS information about the domain
Isblk	=>	Displays block devices related information	dig -x host	=>	Performs reverse lookup on a domain
free -m	=>	Displays free and used memory in the system (-m flag indicates memory in MB)	host google.com	=>	Performs an IP lookup for the domain name
Ispci -tv	=>	Displays PCI devices in a tree-like diagram	hostname -i wget file_name	=>	Displays local IP address  Downloads a file from an online source
Isusb -tv	=>	Displays USB devices in a tree-like diagram	netstat -pnltu	=>	Displays all active listening ports
dmidecode hdparm -i /dev/xda	=>	Displays hardware information from the BIOS  Displays information about disk data	Compagain 1	ive	
hdparm -tT/dev/xda	=>	Conducts a read speed test on device xda	Compression / Arch	nves	
badblocks -s /dev/xda	=>	Tests for unreadable blocks on disk	tar -cf home.tar home	=>	Creates archive file called 'home.tar' from file 'home'
			tar -xf files.tar	=>	Extract archive file 'files.tar'
Users			tar -zcvf home.tar.gz source-folder	=>	Creates gzipped tar archive file from source folder
id	=>	Displays the details of the active user e.g. uid, gid, and groups	gzip file	=>	Compression a file with .gz extension
last	=>	Shows the last logins in the system	Install Dankawa		
who	=>	Shows who is logged in to the system	Install Packages		
groupadd "admin"	=>	Adds the group 'admin'	rpm -i pkg_name.rpm	=>	Install an rpm package
adduser "Sam"	=>	Adds user Sam			D
userdel "Sam"	=>	Deletes user Sam	rpm -e pkg_name	=>	Removes an rpm package
userdel "Sam" usermod	=>	Deletes user Sam Used for changing / modifying user information	rpm -e pkg_name  dnf install pkg_name	=>	Install package using dnf utility
				=>	Install package using dnf utility
usermod		Used for changing / modifying user information  Lists files - both regular & hidden files and their permis-	dnf install pkg_name  Install Source (Com	=>	Install package using dnf utility
usermod File Commands	=>	Used for changing / modifying user information	dnf install pkg_name  Install Source (Com  Joonfigure  make	=>	Install package using dnf utility
Is -al pwd mkdir 'directory_name'	=>	Used for changing / modifying user information  Lists files - both regular & hidden files and their permissions as well.  Displays the current directory file path  Creates a new directory	dnf install pkg_name  Install Source (Com	=>	Install package using dnf utility
Is -al pwd mkdir 'directory_name' rm file_name		Used for changing / modifying user information  Lists files - both regular & hidden files and their permissions as well.  Displays the current directory file path  Creates a new directory  Removes a file	dnf install pkg_name  Install Source (Com  Joonfigure  make	=>	Install package using dnf utility
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Is -al pwd mkdir 'directory_name' rm fle_name rm -f fliename rm -f directory_name rm -f directory_name cp file1 file2		Used for changing / modifying user information  Lists files - both regular & hidden files and their permissions as well.  Displays the current directory file path  Creates a new directory  Removes a file  Forcefully removes a file  Removes a directory recursively  Removes a directory forcefully and recursively  Copies the contents of file1 to file2	Install Source (Com /configure make make install Scarch	=> pilati	Install package using dnf utility
J File Commands  Is -al  pwd  mkdir 'directory_name'  rm file_name  rm -f filename  rm -r directory_name  rm -r directory_name		Used for changing / modifying user information  Lists files - both regular & hidden files and their permissions as well.  Displays the current directory file path  Creates a new directory  Removes a file  Forcefully removes a file  Removes a directory recursively  Removes a directory forcefully and recursively	Install pkg_name  Install Source (Com  /configure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/ -name	=> pilati => =>	Install package using dnf utility  ion)  Search for a given pattern in files Search recursively for a pattern in a given directory
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