* ls - list the files and directories in the current directory
* ls
* cd - change the current directory
* cd dir\_name
* mkdir - create a new directory
* mkdir rohan
* rmdir - remove a directory
* rmdir rohan
* pwd - print the current working directory
* pwd
* cp - files or directories
* #We will a file called example.txt from the current directory to a directory called backup
* cp example.txt backup/
* mv - move or rename files or directories
* mv example.txt backup/
* rm - remove files or directories
* rm example.txt
* touch - create a new empty file or update the timestamp of an existing file
* touch shayan.txt
* cat - concatenate and display files
* cat example.txt
* man - manual for a command
* man ls
* htop - an interactive process viewer and system monitor
* htop
* chmod - change the permissions of a file or directory
* # The first digit represents the owner of the file/directory
* # The second digit represents the group that the file/directory belongs to
* # The third digit represents all other users
* # 0 (no permission)
* # 1 (execute only)
* # 2 (write only)
* # 3 (write and execute)
* # 4 (read only)
* # 5 (read and execute)
* # 6 (read and write)
* # 7 (read, write, and execute)
* chmod 700 file.txt
* chown - change the owner of a file or directory
* chown new\_owner example.txt
* tar - create or extract compressed archive files
* # x: extract files from an archive
* # t: list the contents of an archive
* # r: append files to an existing archive
* # z: use gzip compression
* # j: use bzip2 compression
* # cf: create file
* #xf: extract file
* tar cf archive.tar file1 file2 file3
* gzip - compress files
* gzip file.txt
* gunzip - decompress compressed files
* gunzip file.txt.gz
* ssh - connect to a remote server securely
* ssh username@server\_address
* scp - securely files between systems
* scp myfile.txt user@remotehost:/home/user/
* ping - test network connectivity
* ping 8.8.8.8
* ifconfig - display or configure network interfaces
* ifconfig
* netstat - display network connection information
* netstat
* route - view or configure network routing tables
* route [options] [add/delete/show]
* top - display system resource usage and processes
* top
* ps - display information about running processes
* ps aux
* kill - terminate a process
* kill [PID]
* systemctl - control system services and settings
* # Start the nginx service
* systemctl start nginx
* # Check the status of the nginx service
* systemctl status nginx
* # Stop the nginx service
* systemctl stop nginx
* service - control system services
* service apache2 start
* useradd - add a new user to the system
* useradd harry
* passwd - change the password for a user
* passwd harry
* userdel - delete a user from the system
* userdel harry
* su - switch user to become another user
* su john
* sudo - execute a command as another user or with elevated privileges
* sudo
* uptime - display system uptime and load average
* uptime
* df - display disk space usage
* df
* du - display disk usage by file or directory
* du
* mount - mount a file system
* sudo mount /dev/sdb1 /mnt/usb
* umount - unmount a file system
* sudo umount /mnt/usb
* date - display or set the system date and time
* date
* whoami - display the current user name
* whoami
* which - locate a program or command in the system path
* ls
* finger - displays all the information about user
* finger harry
* uname - display system information
* uname
* uname -a
* history - display a list of previously executed commands
* history
* echo - display text or variables to the console
* echo 'I need Tshirt from codeswear!'
* tee - redirect output to both a file and the console
* $ ls | tee file.txt
* locate - locate any file on the system
* locate file.txt
* sort - sort lines of text in a file or input
* cat file.txt
* banana
* orange
* apple
* sort file.txt
* apple
* banana
* orange
* uniq - remove duplicate lines from a file or input
* cat file.txt
* apple
* orange
* banana
* apple
* banana
* uniq file.txt
* apple
* orange
* banana
* head/tail - display the first/last few lines of a file or input
* #display first 10 lines
* head file.txt
* #display last 10 lines

tail file.txt