## **LINUX COMMANDS CHEAT SHEET**

LINOA					
System			File Permission		
uname	=>	Displays Linux system information	chmod octal filename	=>	Change file permissions of the file to octal
uname -r	=>	Displays kernel release information	Example		
uptime	=>	Displays how long the system has been running including load average	chmod 777 /data/test.c	=>	Set rwx permissions to owner, group and everyone (every-
hostname	=>	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 date	=>	Shows system reboot history  Displays current system date and time	chown owner user-file	=>	Change ownership of the file
timedatectl	=>	Query and change the System clock	chown owner-user: owner file_name	er-grou	co => Change owner and group owner of the file
cal	=>	Displays the current calendar month and day	chown owner-user:owne directory	r-group	- => Change owner and group owner of the directory
w	=>	Displays currently logged in users in the system			
whoami finger username	=>	Displays who you are logged in as  Displays information about the user	Network		
			ip addr show	=>	Displays IP addresses and all the network interfaces
Hardware			ip address add	=>	Assigns IP address 192.168.0.1 to interface eth0
dmesg	=>	Displays bootup messages	192.168.0.1/24 dev eth0		
cat /proc/cpuinfo	=>	Displays more information about CPU e.g model, model	ifconfig	=>	Displays IP addresses of all network interfaces
cat /proc/meminfo	=>	name, cores, vendor id  Displays more information about hardware memory e.g.	ping host	=>	ping command sends an ICMP echo request to establish a connection to server / PC
Table 1	=>	Total and Free memory	whois domain	=>	Retrieves more information about a domain name
lshw lsblk	=>	Displays information about system's hardware configuration  Displays block devices related information	dig domain dig -x host	=>	Retrieves DNS information about the domain  Performs reverse lookup on a domain
free -m	=>	Displays free and used memory in the system (-m flag	host google.com	=>	Performs an IP lookup for the domain name
Ispci -tv	=>	indicates memory in MB)  Displays PCI devices in a tree-like diagram	hostname -i	=>	Displays local IP address
Isusb -tv	=>	Displays USB devices in a tree-like diagram	wget file_name netstat -pnltu	=> =>	Downloads a file from an online source Displays all active listening ports
dmidecode	=>	Displays hardware information from the BIOS	netotat priita		Displays all assive listering ports
hdparm -i /dev/xda	=>	Displays information about disk data	Compression / Arcl	nives	
hdparm -tT /dev/xda badblocks -s /dev/xda	=>	Conducts a read speed test on device 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	=>	Creates gzipped tar archive file from source folder
id	=>	Displays the details of the active user e.g. uid, gid, and	source-folder gzip file	=>	Compression a file with .gz extension
last	=>	groups			
last who	=>	Shows the last logins in the system  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			
			rpm -e pkg_name	=>	Removes an rom package
userdel "Sam"	=>	Deletes user Sam	rpm -e pkg_name dnf install pkg_name	=>	Removes an rpm package Install package using dnf utility
userdel "Sam" usermod	=>	Deletes user Sam Used for changing / modifying user information	dnf install pkg_name	=>	Install package using dnf utility
				=>	Install package using dnf utility
usermod			dnf install pkg_name	=>	Install package using dnf utility
rile Commands Is -al		Used for changing / modifying user information  Lists files - both regular & hidden files and their permissions as well.	dnf install pkg_name  Install Source (Com  /configure  make	=>	Install package using dnf utility
usermod  File Commands	=>	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
rile Commands  Is -al pwd	=>	Used for changing / modifying user information  Lists files - both regular & hidden files and their permissions as well.  Displays the current directory file path	dnf install pkg_name  Install Source (Com  /configure  make	=>	Install package using dnf utility
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename	^ ^ ^ ^ ^ ^	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	dnf install pkg_name  Install Source (Com  /configure make make install	=>	Install package using dnf utility
Is -al pwd mkdir 'directory_name' rm file_name rm -r filename 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	Install Source (Com  /configure make make install  Search  grep 'pattern' files	=> apilati	Install package using dnf utility  OII)  Search for a given pattern in files
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename	**	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	Install pkg_name Install Source (Com Joonfigure make make install Search grep 'pattern' files grep -r pattern dir	=>	Install package using dnf utility  on)  Search for a given pattern in files Search recursively for a pattern in a given directory
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -r directory_name		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 Recursively Copies dir1 to dir2. dir2 is created if it does not	Install Source (Com  /configure make make install  Search  grep 'pattern' files	=> npilati => =>	Install package using dnf utility  OII)  Search for a given pattern in files
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -r 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 file 1 to file 2	Install pkg_name  Install Source (Com  /configure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/ -name "index"	=> npilati	Install package using dnf utility  On)  Search for a given pattern in files  Search recursively for a pattern in a given directory  Find all instances of the file  Find file names that begin with 'index' in /home folder
pwd mkdir 'directory_name' rm file_name rm -r directory_name cp file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name		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 Recursively Copies dir1 to dir2. dir2 is created if it does not exist	Install pkg_name  Install Source (Com  /configure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/ -name	=> apilati => => =>	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -r directory_name cp file1 file2 cp -r dir1 dir2 mv 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 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2	Install pkg_name  Install Source (Com  /configure make make install  Scarch  grep 'pattern' files grep - pattern dir locate file find /home/ -name "index" find /home -size +10000ik	=> npilati	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder
Is -al pwd mkdir 'directory_name' rm file_name rm -f directory_name cp file1 file2 cp -r dir1 dir2 mv file2 In -s /path/to/file_name link_name		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 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name	Install pkg_name  Install Source (Com  ./configure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/ -name "index" find /home -size	=> npilati	Install package using dnf utility  On)  Search for a given pattern in files  Search recursively for a pattern in a given directory  Find all instances of the file  Find file names that begin with 'index' in /home folder
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -r directory_name cp file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name		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 recursively Removes a directory forcefully and recursively Copies the contents of file1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name Creates a new file Places standard input into a file Outputs the contents of a file	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/ -name "index" find /home -size +10000k  Login  ssh user@host	=> apilati	Install package using drif utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder  Securely connect to host as user
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -r directory_name cp file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name head file_name		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 file 1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name Creates a new file Places standard input into a file Outputs the contents of a file Displays the first 10 lines of a file	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/-name 'index' find /home -size +10000k  Login	=> npilati	Install package using dnf utility  on)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -r directory_name cp file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name		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 recursively Removes a directory forcefully and recursively Copies the contents of file1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name Creates a new file Places standard input into a file Outputs the contents of a file	Install pkg_name  Install Source (Com  /configure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/ -name "index" find /home -size +10000k  Login  ssh user@host ssh -p port_number	=> apilati	Install package using drif utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder  Securely connect to host as user
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -r directory_name cp file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name head file_name tail file_name		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 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Outputs the contents of a file Displays the first 10 lines of a file Displays the last 10 lines of a file	Install pkg_name  Install Source (Com  /configure make make install  Scarch  grep 'pattern' files grep -r pattern dir locate file find /home/ -name "index" find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host	=> pilati => => => =>	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port
Is -al  pwd  mkdir 'directory_name'  rm file_name  rm -f directory_name op file 1 file 2  cp -r dir1 dir 2  mv file1 file 2  ln -s /path/to/file_name  touch file_name  cat > file_name  more file_name  touch file_name  touch file_name  al > file_name  touch file_name  pore file_name  pore file_name  tail file_name  tail file_name  tail file_name  gpg - file_name  gpg - file_name  gpg file_name  gpg file_name  gpg file_name  gpg file_name  gpg file_name  gpg file_name		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 recursively Copies the contents of file1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Outputs the contents of a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Decrypts a file Prints the number of bytes, words and lines in a file	Install Source (Com  Joonfigure make make install  Search  Search  grep 'pattern' files grep -r pattern dir locate file find /home/ -name "index" find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host teinet host	=> => => => => => => =>	Search for a given pattern in files Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22
pwd mkdir 'directory_name' rm file_name rm -f directory_name cp file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name more file_name touch file_name dudd file_name file_name gpg -c file_name gpg -c file_name gpg file_name gpg file_name		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 file 1 to file 2 Recursively Copies dir 1 to dir 2. dir 2 is created if it does not exist Renames file 1 to file 2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Outputs the contents of a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Decrypts a file	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/-name "index" find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host	=> => => => => => => =>	Search for a given pattern in files Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22
Is -al  pwd  mkdir 'directory_name'  rm file_name  rm -f directory_name op file 1 file 2  cp -r dir1 dir 2  mv file1 file 2  ln -s /path/to/file_name  touch file_name  cat > file_name  more file_name  touch file_name  touch file_name  al > file_name  touch file_name  pore file_name  pore file_name  tail file_name  tail file_name  tail file_name  gpg - file_name  gpg - file_name  gpg file_name  gpg file_name  gpg file_name  gpg file_name  gpg file_name  gpg file_name		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 recursively Copies the contents of file1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Outputs the contents of a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Decrypts a file Prints the number of bytes, words and lines in a file	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  Grep 'pattern' files grep -r pattern dir locate file find /home/ -name 'index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host telnet host  File Transfer  scp file 1.txt server2/tmp	=> => => => => =>	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to thest using a specified port Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory
pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name op file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name cat >> file_name more file_name tail file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg file_name.gpg wc xargs  Process Related		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 forcefully and recursively Copies the contents of file1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Prints the number of bytes, words and lines in a file Executes commands from standard input	Install pkg_name  Install Source (Com  /configure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/ -name "index" find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host telnet host  File Transfer	=> => => => => => =>	Search for a given pattern in files Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to these system via SSH default port 22 Connect to host via telnet default port 23
pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name op file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name eat > file_name more file_name file_name gpg -c file_name gpg -c file_name gpg file_name		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 forcefully and recursively Copies the contents of file1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Perints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes	Install pkg_name  Install Source (Com  Joonfigure make make install  Scarch  Scarch  Scarch  Scarch  Scarch  Install Scarch  Scarch  Scarch  Scarch  Scarch  Scarch  Scarch  Install Scarch  Scarch  Scarch  Scarch  Scarch  Install Scarch  I	=> => => => => =>	Search for a given pattern in files Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup directory
Is -al  pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name of file1 file2 cp -r dir1 dir2  mv file1 file2 In -s /path/to/file_name link_name touch file_name cat > file_name more file_name file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg saux   grep 'telnet'		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 forcefully and recursively Copies the contents of file1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Perints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes Searches for the id of the process 'telnet'	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  Search  Search  Search  Install Search  Search  Search  Search  Search  Search  Search  Search  Index' files grep -r pattern dir locate file find /home/-name "index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host telnet host  File Transfer  scp file 1.btt server2/tmp rsync -a /home/apps /	=> => => => => =>	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup
pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name op file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name eat > file_name more file_name file_name gpg -c file_name gpg -c file_name gpg file_name		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 forcefully and recursively Copies the contents of file1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Perints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes	Install pkg_name  Install Source (Com  Joonfigure make make install  Scarch  Scarch  Scarch  Scarch  Scarch  Install Scarch  Scarch  Scarch  Scarch  Scarch  Scarch  Scarch  Install Scarch  Scarch  Scarch  Scarch  Scarch  Install Scarch  I	=> => => => => =>	Search for a given pattern in files Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup directory
Is -al  pwd mkdir 'directory_name' rm file_name rm -f filename rm -r directory_name cop file1 file2 cp -r dir1 dir2  mv file1 file2 In -s /path/to/file_name link_name touch file_name cat > file_name more file_name tail file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg file_name		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 forcefully and recursively Copies the contents of file1 to file2 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Prints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes Searches for the id of the processes Searches for the id of processes	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/-name 'index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host telnet host  File Transfer  scp file 1.btt server2/tmp rsync -a /home/apps / backup/  Disk Usage  df -h df -i	=> => => => => => => => => => => => => =	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup directory  Displays free space on mounted systems Displays free inodes on filesystems
pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name cop file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name tail file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg file_name		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 forcefully and recursively Copies the contents of file 1 to file 2 Recursively Copies dir 1 to dir 2. dir 2 is created if it does not exist Renames file 1 to file 2 Creates a symbolic link to file_name  Creates a new file Displays the first 10 lines of a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Prints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes Searches for the id of the processes Displays all running processes Displays all running processes	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  Search  Search  Search  Grep 'pattern' files grep -r pattern dir locate file find /home/-name 'index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host teinet host  File Transfer  scp file 1.txt server2/tmp rsync -a /home/apps / backup/  Disk Usage  df -h df -i fdisk -l	=> => => => => => => => => => => => => =	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely connect to the system via Post default port 25  Securely connect to host via telnet default port 26  Securely connect to host via telnet default port 27  Securely connect to host via telnet default port 29  Securely connect to host via telnet default port 29  Securely connect to host via telnet default port 29  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 23  Securely connect to host via telnet default port 24  Securely connect to host via telnet default port 25  Securely connect to host via telnet default port 25  Securely connect to host via telnet default port 25  Securely connect to host via telnet default port 25  Securely connect to host via telnet default port 25  Securely connect to host via telnet default port 25  Securely connect to host via telnet default port 25  Securely connect to host via telnet default port 25  Securely connect to host via telnet default port 26  Securely connect to host via telnet default port 26  Securely connect to host via telnet default port 26  Securely connect to host via telnet default port 26  Securely connect to host via telnet default port 26  Sec
pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name cp file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name dile_name gpg -c file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg file_name		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 forcefully and recursively Copies the contents of file 1 to file 2 Recursively Copies dir 1 to dir 2. dir 2 is created if it does not exist Renames file 1 to file 2 Creates a symbolic link to file_name  Creates a new file Displays the first 10 lines of a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Prints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes Searches for the id of the processes Displays all running processes Terminates process with a given pid	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/-name 'index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host telnet host  File Transfer  scp file 1.btt server2/tmp rsync -a /home/apps / backup/  Disk Usage  df -h df -i	=> => => => => => => => => => => => => =	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup directory  Displays free space on mounted systems Displays free inodes on filesystems
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name cp file1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name difile_name gpg -c file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg file_name		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 forcefully and recursively Copies the contents of file 1 to file 2 Recursively Copies dir 1 to dir 2. dir 2 is created if it does not exist Renames file 1 to file 2 Creates a symbolic link to file_name  Creates a new file Displays the first 10 lines of a file Displays the first 10 lines of a file Displays the last 10 lines of a file Encrypts a file Prints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes Searches for the id of the process' telnet' Displays memory map of processes Displays all running processes Terminates process with a given pid Kills / Terminates all processes named proc	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/-name 'index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host telnet host  File Transfer  scp file1.btt server2/tmp rsync -a /home/apps / backup/  Disk Usage  df -h df -i fdisk -l du -sh findmnt	=> => => => => => => => => => => => => =	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup directory  Displays free space on mounted systems Displays free inodes on filesystems Shows disk partitions, sizes, and types Displays disk usage in the current directory in a human-readable format Displays target mount point for all filesystems
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name cp file 1 file2 cp -r dir1 dir2 mv file1 file2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name ded file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg lile_name gpg file_name		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 file 1 to file 2 Recursively Copies dir 1 to dir 2. dir 2 is created if it does not exist Renames file 1 to file 2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Outputs the contents of a file Displays the first 10 lines of a file Displays the first 10 lines of a file Encrypts a file Decrypts a file Prints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes Searches for the id of the process' telnet' Displays memory map of processes Displays all running processes Terminates process with a given pid Kills / Terminates all processes named proc Sends a signal to a process with its name Resumes suspended jobs to the foreground	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/ -name 'index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh -p port_number user@host ssh host telnet host  File Transfer  scp file 1.bt server2/tmp rsync -a /home/apps / backup/  Disk Usage  df -h df -i fdisk -l du -sh	=> => => => => => => => => => => => => =	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder  Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to the system via SSH default port 22  Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup directory  Displays free space on mounted systems Displays free inodes on filesystems Shows disk partitions, sizes, and types Displays disk usage in the current directory in a human-readable format
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name cp file 1 file 2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name dead file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg -file_name gpg file_name		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 file 1 to file 2 Recursively Copies dir 1 to dir 2. dir 2 is created if it does not exist Renames file 1 to file 2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Outputs the contents of a file Displays the first 10 lines of a file Displays the first 10 lines of a file Encrypts a file Prints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes Searches for the id of the process' telnet' Displays memory map of processes Displays all running processes Terminates process with a given pid Kills / Terminates all processes named proc Sends a signal to a processe with its name Resumes suspended jobs to the foreground Brings suspended jobs to the foreground	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/-name 'index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host telnet host  File Transfer  scp file1.btt server2/tmp rsync -a /home/apps / backup/  Disk Usage  df -h df -i fdisk -l du -sh findmnt mount device-path mount-point	=> => => => => => => => => => => => => =	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup directory  Displays free space on mounted systems Displays free inodes on filesystems Shows disk partitions, sizes, and types Displays disk usage in the current directory in a human-readable format Displays target mount point for all filesystems
Is -al pwd mkdir 'directory_name' rm file_name rm -f directory_name cp file 1 file 2 ln -s /path/to/file_name touch file_name more file_name touch file_name touch file_name touch file_name alif file_name por file_name file_name por file_name por file_name por file_name gpg - file_name gpg - file_name gpg file_name.gpg wc xargs  Process Related  ps ps aux   grep 'telnet' pmap top kill pid killall proc pkill process-name bg fg fg n Isof		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 Recursively Copies dir1 to dir2. dir2 is created if it does not exist Renames file1 to file2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Outputs the contents of a file Displays the first 10 lines of a file Displays the first 10 lines of a file Encrypts a file Prints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes Searches for the id of the process' telnet' Displays memory map of processes Displays all running processes Terminates process with a given pid Kills / Terminates all processes named proc Sends a signal to a processe with its name Resumes suspended jobs in the background Brings suspended jobs to the foreground Lists files that are open by processes	Install pkg_name  Install Source (Com  Joonfigure make make install  Scarch  grep 'pattern' files grep -r pattern dir locate file find /home/ -name 'index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host telnet host  File Transfer  sop file1.txt server/2/tmp rsync -a /home/apps / backup/  Disk Usage  df -h df -i fdisk -l du -sh findmnt mount device-path	=> => => => => => => => => => => => => =	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup directory  Displays free space on mounted systems Displays free inodes on filesystems Shows disk partitions, sizes, and types Displays disk usage in the current directory in a human-readable format Displays target mount point for all filesystems
Is -al pwd mkdir 'directory_name' rm file_name rm -f filename rm -f directory_name cp file 1 file 2 ln -s /path/to/file_name link_name touch file_name cat > file_name more file_name dead file_name gpg -c file_name gpg -c file_name gpg -c file_name gpg -file_name gpg file_name		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 file 1 to file 2 Recursively Copies dir 1 to dir 2. dir 2 is created if it does not exist Renames file 1 to file 2 Creates a symbolic link to file_name  Creates a new file Places standard input into a file Outputs the contents of a file Displays the first 10 lines of a file Displays the first 10 lines of a file Encrypts a file Prints the number of bytes, words and lines in a file Executes commands from standard input  Display currently active processes Searches for the id of the process' telnet' Displays memory map of processes Displays all running processes Terminates process with a given pid Kills / Terminates all processes named proc Sends a signal to a processe with its name Resumes suspended jobs to the foreground Brings suspended jobs to the foreground	Install pkg_name  Install Source (Com  Joonfigure make make install  Search  grep 'pattern' files grep -r pattern dir locate file find /home/-name 'index' find /home -size +10000k  Login  ssh user@host ssh -p port_number user@host ssh host telnet host  File Transfer  scp file1.btt server2/tmp rsync -a /home/apps / backup/  Disk Usage  df -h df -i fdisk -l du -sh findmnt mount device-path mount-point	=> => => => => => => => => => => => => =	Install package using dnf utility  On)  Search for a given pattern in files Search recursively for a pattern in a given directory Find all instances of the file Find file names that begin with 'index' in /home folder Find files greater than 10000k in the home folder  Securely connect to host as user Securely connect to host using a specified port Securely connect to the system via SSH default port 22 Connect to host via telnet default port 23  Securely copy file1.txt to server2 in /tmp directory Synchronize contents in /home/apps directory with /backup directory  Displays free space on mounted systems Displays free inodes on filesystems Shows disk partitions, sizes, and types Displays disk usage in the current directory in a human-readable format Displays target mount point for all filesystems

Change directory to /test directory