Unix Commands:

1s - l - long listing

As -> list of files of dir from current working

filetype permission noon handlinks, awner, gipaner,

Size in bytes , last modific time, Name of

files of directions

* -a - all Ales including . and ..

d directory file

S socket file

b block special file

c character special file

l symbolic link

p pipe:

* -r sort in reverse alphabetically

+ -1 list names one per line

+ -u (with lt) sort by access time

x -t sort by modifier time

x ult } sheet.

* Is c+ - list all files /dir starting with

letter c

* ls [a-d]* list all files (dir starting with

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To know the location of an executors, program ice command use lype commons \$ type Is a (2) who : who is online displays all users who are convents logged in to the system It returns users name (ID) terminal and time at which he she was logged in x \$ who d x \$ who -4 d - to know since what how long there was no activity (idle eg off x swho -uH & - displays header for each column about \$ who amid 3) pwd - print working directory - It prints absolute path name of one working directing I home I chirage It means that we are in home dir of user ID chirage 2/14

(1) is date displays system date and time I date of - displays current date & time. solate time - prints only month (1-12) \$ date + 1.6 4 prints month name \$ date +1.4 d prints year polate + red & - prints day (01-31) \$ date + "/ I 1p" - prints have with am/pm. (5) cal a clisply calendar \$ eal of -> display current month calendar \$ cal 3 2017 d' -> display calendar of month March 2017 \$ cal 2019 1 -> calendar of whole year 2017 \$ cal -j 2018 -> displays calenda of 2018 in julean forms \$ cal -h -> time of highlighting today \$ cal -3 -3 displays prex, current of next month.

(6) cher show the terminal section 3) colo - displays may Presults of computer on serven by default interpretation of backstary escapes to doubled " Beche "Hellow in Harld" d -listery Hello in World - to enable interpretation of 1 type of echo "Hallo -e "Hello In Harld" d sie ' Hello World & Poho = "Hello H World" d A echo e "Hello Millorld d of Hello I Wall (Vertical o & echo -e "Hello IV World" \$ echo -e "Hella 16 World" s (8) be - activates basic calculation \$ be & It goes in interactive made and wails for input type 716 as its a press enter OP # 13

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type quit to quit calculator 1bc -ld - initializes scale 20 to 20 instead of default zero. \$ 6 5 10 0 type scale = 2 d 5/3 4 functions available with be command sgrt() -> calculates squarerent SO -> calculates sine value argument should be in radians c() -> cosine value (9) login - begin session on the In root type login give userid and password

Flogin -f -stoskip authentication. Deer is
preputher (10) To logart: logart cd - change directory nd cd - > op to prev directory cd ~ -> navigati to home directory. ed .. -> navigate one level up in directry cd/ - 3 go to root directory 5/14

> of redirection operator - used to send off of command to a file (12) cat - showing creating and concatenating files \$ cat > file 1 d This is my first tile of I have created it & \$ cat filed & will show the contents of file file! & cat - n file 1 & will display contents with line numbering 1. This is my first fill 2 I have written it. & cat file 1 file 2 & will display contents of filed followed by \$ cat file 1 file2 > file3 & Role 2 in file 3. \$ cot -ve file! 2 - will show hiddle This is my first file. I the file I have writen it & newline characters are shown by & 6/14

i fipe operator used to send off of command as to another command USE >> to append to the File \$ cal 2> File 1 d This (tab) third (tab) line (tab) in (tab) hiles \$ cat - vt File I d (displays tas as 019 This is my first file-1 I have written it. This I third I line Jin M file. (3) cp -> to copy contents of one file to another (souva) (dst) top file 1 file 2 & will copy contents of file 1 to file 2 \$ cat file 12 & to view contents of \$ cat -i file 2 & file 4 & will ask before overwiting tile Cinteractive \$ mkdir mydirl & to my filed mydirt s & mkdir mydirz d \$ my file2 mydive & 5 cp-rmydir1 mydir2 d will copy the directory mydird along with its files to mydin2 7/14

(14) mx - removes the Ale form current one location and copies to another. Involdname newname (15) mkdirom - remove tile \$rm -i file 3 d file before removing. Arm -i file4 file5 d will remove file 4 and file 5 drm -r mydir2 d Riles of directing of adl Rom mydire and finally the directory mydies (16) *model smaler - will remove the directory only if it is empty. \$ rmdir mydirt & will give following error it mydet not emply rmdiv: failed to remove impdirt : directing not empty: 8/14

	\$ ronder dirs dors d Comultiple directoriques
	will remove dirt and dire.
	\$ smdir -p dir1/dir3 2
	object. And remove dividen
5	(1) midir - make directory.
	\$mkdir dir1 dir2 d
	will create dir & and dir
	on in per current working directory
	\$ mkdir -p div1/dir2 & will create
-	parent director dirt first and trus director
	(18) history of will give re history of all commands executed in the session
0	& history &
	thistory of commands.
	time, more, ps, chown, A. Anger, shutdown, login, logolt, lost, kill, chord
firt	rogin, rojoux, rost, min, chique
111	* more than one command can be combined
etry	in one line by giving semicobn.
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(19) more were is a filler for paging. through text one screenful at a time It fellowing to understand more create a file 1' and write some lines of text into it et cal a file 1 d This is my first file of file is created in labsons of to explore the use of more commands if required we will add more data to it? 123 4 234 4 345 0 4560 567 1 Now give the command as follows \$ more -3 file! & This will display of filet on arean with three lines at a time on screen - press enter to see next & more - number file names displays 'number' lives ensereen 10/14

Amore -p file 1 & -> Don't seach instead clear the whole screen and then display led Now append the blank lines in file! F cat >> file 1 d i have inserted of blank lines & Display tile 1: & cat file! & Now give command This will marge 4 blank lines to I and show the off. \$ man +3 fle1 d will display filed from starting from line + 3 \$ 15 -1 & displays list of files one per line Is more of will display it one page of then more like will be displayed when a press enla. 11/14

(80) time -> chisphyse the time required to execute the command eg + time sort file 1 d] sorted contents of file 1 real om ocors yser omo. ons 342 CW 0 00002 real time shows the clark elapsed time Burn invoked invocation of command to till termination user time shows time spent by program in executing estall (i.e. in user mode) as indicates time used by termel in doing work on behalf of user process (in Kernel mode) Soum of user time + systime actually represents CPD time. e.g. \$ time ls -1 1 & time Is -1 > list a 12/14

	IS IS
7	
	(RD we - prints no of lines, words of characters in a file 1 swe of lited
	in a file 1500 cfiles
	0 15 00
	0/P 2 15 92 File1
	no of bords characteri
0	
	\$ we - I file to (only no. of lines)
	off 2 file 1
The	
+c	\$wc - w filet d (only no. of words)
	olp 15 file1
to tel	\$wc-cfiled & (only scharactes)
	Olp 92 files a meters of tile name
	I we de Instead of file name
•	of p 92 filed 3 instead of file name to we de enter text here & Ad & directly feat is ilp
	(22) login begin session on the system.
	You have to a root user to begin a
<u> </u>	new session
	19in: labloof & (asks for username
	login: lastoot e (
	password: de (asks for password)
	begins and # changes to \$)
	A Charles and the state of the
	13/14

(2) legal - ends the goes los (40) linger displays intermation of were who are logged in Note: in nonvert use male. Anger command my not not. switch to rept user by touch and in apt get install finger d 11 Anger d Il diplays logimenter, name, derminal name, the ho logia line, etc # Pinger lablace & (cuename) of P topin: tables Name: MUMORG Directly: Mone/ Whole Shell: /bin/bach On since soit Jan 20 3:56 on it from it (margo #) On done set Tem so was on place 5 seconds Take (messga 41) Nomail: No plan. 14/14