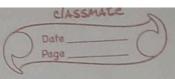
### LINUX



*	To check current location
THE REAL PROPERTY.	Command - pwd - print working directory
19 81	bien to roll discoust bare sint o bear of wort
*	How to display name of current logged-in
	user 9
	Command - who ami
	Court Trans Commence
The	
*	TO check system date or time
	command - date
	date + 1.D - for date only
	Apaid of state of most
	date + x.T - For time only
	datet 1.4:1.7 - For Houre and Time.
	and time.
	Comes and three barries of in
*	to display file and directory present in
	current locations.
6	command - Ls -Lt
	Ls-o - For hidden files
350	Is-h - Human - readables
	1100 bein 1020 111 soft format
	1s-t - sorts files by
	madification time, most
	recently modified first.
	15-5 - Sorts files by Size.
	" TE Execute to School of Folder
	. La the lineax terminal
*	command - clear.

- \* To Display content of a file on terminal command- cat (file)
- + How to read a file and search for a word in fix.

  Command- less (file)
- \* TO view content of a file page by page command- more (file)
- Command touch Kfile name)
- \* How to delete a file in Linux command - rm (File-name)
- \* To edit a file

  command vi cfile\_name>

  nano (file\_name>

Vi= \*This command is for creating and editing the file

tensted of using touch command we con use vi to creat and edit the file

nano - It is a odvance version of vi

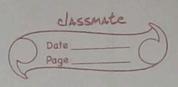
\* To create a directory 1 Folder
command-mkdir (dir.name)

TO Check IP address

command - 1 f config

or

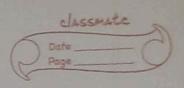
ip config



10 Remove a directory command - of rondin (dir-name) rm -rf (dir-name) To change path or move to another Folderor directory command - cd (path) mandalité d'alle von colonne to move back one folder, In man soull a got pcdo. / . . >= To move two folder back, III malasia 8 - land - mommy Abosolute path - The absolute path is a complete x and exact address to a file or directory on a computer: It is a path that starts from the root folder. Relative path - describes the location of afile or + directory in relation to the current working directory \* It is a shorter and does not include the full path starting from the root directory to copy and pasted file from one Folder to another. command = cp (File) path.

TO copy content of a one file to another file command - cp file A fileB - file name, TO cut and paste a file from one folder to another in Unux command- my (file) path TO rename o file in many command - mv File A file New Name To read or display tops lines from a file in Linux command - head -5 file Name The helpfolist path and the depolist of a To display bottom 3 lines from a file command - touil -5 file. and moderates and done To sort the content from a file command - sort file sien to avaisal add Ob Alog sydensy sort - r file - sorts in reverce order groups of Harr 2000 bins Tarrone list 1 \* To display unique content from a command- sort file uniq (3111) 40 , bayen

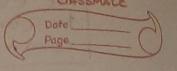
We can use I pipe opperator to combine two or many commands



4 TO search a word and display matching content from a file p command - grep "word" file To search multiple words and display 4 matching content from a file: command- egrep "word | word | word ?" file. toode of at more top to borr of 10 use milboards Command - Ls file \* touch file 21.53 TO shuffle content of file in command - shuf file To count no of lines in a file command - we - 1 file TO check two files are identical or not ( comparing) command cmp fileA fileB TO compare and display diffrence between two files lo command - diff - U file A file B TO Find a file 4 command- find path -name (file)

## utility commands

1915 1919



- to display previously used commands command - history
- to check syntax and options available for a command. command - Theip
- throw throng to do the to read or get more info about a + command

command - man

- to check which executable is using for a command proposition command- which
- to use calculator in Linux command - be
- To check calendar of last year command - cal
- 10 check How long server has been 1 running

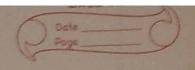
STEEL IN

command - uptime between two tiles in

to record your activity on terminal in a file

command - script : mil 1

ro print some thing on terminal command- echo « Hello"



\* To create a short-cut of a long command command - alias L= "Is-L+r"

command

olias -P = To check existing alias which is created.

\* It will automatically removed when we logout the server or system.

zip and unzip
The files and
Folders

to compress a file command - gzip -k file.

keep the original

\* TO decompress the file

command - gip -d file

gunzip file

\* to compress a folder

command.

tar - czf myfiles. far. 92 myfiles/

name of th

File



+ to decompress a folder.

command -

tar -xzf (file Name)

[extract]

to compress multiple sifiles in one zipped file

command -

Zip my Files. zip file 1 filez

n to decompress that zipped file which has multiple files in It

command- unzip (file Name)

- e to check or list files in zipped file command - unzip -1 myfiles.zip
- 1 TO download file from internet command- weget UTL of file

wget - 0 opt\_file.text urf\_of\_file

to call an API

command-curl APIlure

	( Page )
*	to in start an application
	command - apt or yum/anf
	THE RESERVE OF THE PARTY OF THE
*	to check an application installed or
	not on Linux
11. 2 11	command - rpm - qa 1 grep app
TO A P	dof list installed
	Top winds the second se
عد	to start / stop a service on Linux
Say an	command - systemath start/stop
	genvice-name
	The state of the s
	High a real statement of the state of the st
	systemath status semile_name
	1000000000000000000000000000000000000
4	to list all services
	command -
THE R	systemeth List-units type - service
	all
	THE RESIDENCE OF THE PARTY OF T
4	to list au existing environment variables
	THE VIEW ROOM OF STREET STREET STREET STREET STREET
	command- printery
	THE PROPERTY OF THE PROPERTY O

TO Add new environment variables temperary \* commandexport Java-Home = "-To Add a new environment variables permounently command source N/ bash profile To create a permanent env variable we have to add that variable in ·bashre file with export ex RXexport Test ="ABCD" - \*\* after adding this on terminal we have to do. that source command of source bashro. to print specific column from csv File. command aur -F, & print \$23 (file name) colum NO

\* to Display starting two characters of

Command - - el - & file Mourse)

art - 01-5 stile-vlame)

command - sed - \$7 (5p) < fire News>

\* To change specific word in file command- sed s/business /finance/ filewar

The word New Which want word

to convert a content to uppercase to lower case and to delete word and to replace the word.

command -

to belet the > tr -d word or a simble file

Word or simble or any thing

- tr d'/." d' g." File



\* TO extend or strink gize of a file

truncate -- 8 100M file.

\* To change user or login as diffrent user

command-

7

BU LUSEY\_name)

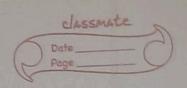
to exit as current user or close terminal

command - exit.

IF Iam Not root user Then to execute admin commands like installing new apps?

command- Isudo yum instau httpg

Access Remote Servers



To access remote linux server Command - .

ssh user@nostname

ID address

for accessing the remote server We need user Name, ID address and password.

to copy a file to a remote linux Server

command -

SCP File user@hostname://emp/

Morting with permissions TO change description of the

Types of permissions

TWX = read, write, executeable
TW- = read, write
T-- = read,

etc - - -

4

To modify permissions of a file

command - chmod atrux file + = To add the permission - = To remove the permission. u = for user g = group 0 = other a = all. to change outnership of a file command - chown root file. +x+ To change group ownership of a fire command - charp paul file × new. owner

memory Info

Classmate

Date

Page

Date

\* To check free RAM space command - free

free -h - human readelble

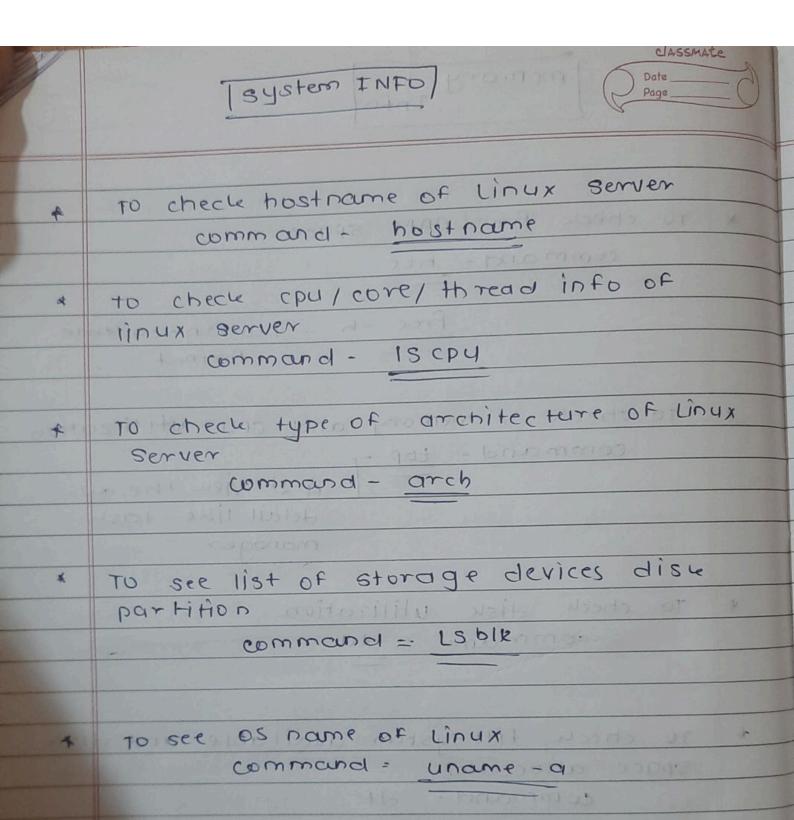
to check is memory and cou utilization command - top T

detail line task

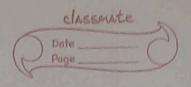
\* To check disk utilization command - du

\* To check file system available and disk
space allocated

command - df



# Process Maneig ment



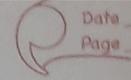
\* How to check if a process ex-Java is

command - ps -ef 1 grep Java.



- \* How to get PID of a process

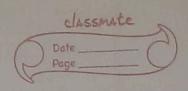
  command-pyrep chron
- \* How to stop a process by PLD command kill -9 PLD
- t How to stop a process by its name command pkill httpd
- + How to see all the active lobs of terminal command lobs
  - How to resume a Job in background?
- 4 How to resume a Job in foreground command F9



How to run a script in background

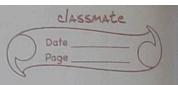
command - nohup 1/script 4

#### Networking Info



To check IP of your machine command - ifconfig To check a server or mebsite is accesible or not command - ping wnw.google.com id to check if a LP: PORT is accessible and open or not command-telent IP port to check if port is open or not on 4 our server laboration barrelation command - netstet - putan 1 grep 80 TO check all hubs in network path to reach a website command - traceroute Restart Linux Server command - reboot Shutdown command - shutdown

## [ User Creation]



- to create new user on Linux server.

  command useradd
- to change password for user command-passwd
- to create a new group on Linux command - groupada
- to check userID or GroupID of user command 12 id user name
- # To delete a user or group

  command userdel (user)

  groupdel (group)
- 1 TO add a user in group

  command usermod C+ (group) (user)