	DATE:	A CONTRACTOR
74	Prortical -2	
		1
	Aim: Linux commands: Working with files:	11
	ps. top. Will , pkill , bg , fg , grep , locate , find , date , cal , uptions , w , who ami , finger , uname , man , df , du , free ,	
	where is, which.	
	When is , which.	
	1) ps: to display information about the running processes	./
	on a system.	-/
-	The ps command which stands for " process status" is	-
)	like a computer tool that helps you see what's happening	-,
	inside your linux computer. Tmagine your computer is	_
	like a computer tool that helps you see what's happening inside your linux computer. Imagine your computer is doing several things simultaneously, like running	
	aitherent programs or apps. These are the processes and	4
_	the 'ps' command let's you take a quick look at them.	
_	Comment	
7.	Example output: PID TTY	to
5	1234 pts/0 TIME CMD	-16
	5678 pts/0 00:00:01 bash	1
	00:00:00 ps	he_
	whose, PTD: process ID.	<u>w</u>
	TTY: Teaminal type.	
	TIME: CPU time used.	_t
	CMD: Command name of the process.	
		d
2)	top: real time dynamic view	1
	The top command in Linux is used to displace and time in lander	
	The top command in Linux is used to display real-time information	9
a	bood the system's resource usage, including CPV, memory and runn	ing !
pr	ocesses.	

command: top	_
dample output:	
top - 14; 52:40 up 10 days,	
2) by obili. Terminate evolusion	
till command in Linux is a built-in command asset	
i I I I more than woon in a Kill command	
to a provess that temporalis in places.	
obill is a utility, pre installed on most lines.	
used to terminate processes from the terminate	
Processes can be killed using various aftributes including	
partial name	
Command (Kili): Kill 1234	
This sends the default SIGITEPM signal to the process	
with PID 1234, name instead of PID.	
Command (Kill): pKill firefox	
(this terminates all processes named "firefox").	
4) 6a, fg: Manage background and foreground jobs.  The bg command is a weful tool that allows you to manage and more processes between the foreground and background.	
The be consend in a walnut tool that allows you to	7
to be command to disput for the disput and	
manage and move processes between the toreground and	
1100004	
The la command in Linux is used to bring a background	
Tob into the foreground. It allows you to resume a suspended	
The fg command in Linux is used to bring a background is to into the foreground. It allows you to resume a suspended job on a background proven directly in the forminal window.	
so you can interact with it.	
So you can mood with it.	
Command (bg): bg-/. 1	
This resumes the gob with ID 1 in the background).	
Command (fa): fa 1.1	
Command (4g): tg 1/1  (This brings the job with ID1 to the foreground).	
FOR EDUCATIONAL USE	

.

At is used to find out how long the system is active (running). This command returns set of values that involve, the evocent time, and the amount of first system is in running State. Command: uptime (This displays the system uptime load averages, and the number of users. 7) w. who and, uname: Show wer / system Profo · The 'w' command in Linux gives us important infor-mation about who is currently using the computer, how much the computor is being used and what programs are running. Command: w Toshows currently logged in users) The whoani command provides basic information that is extremely useful when working on multiple systems. In general, if you are working with a single computer, you will not require it as frequently as a notwork administrator. Command: who ami (This displays the name of current user) The uname command is used to check the complete OS information of the system. Command: Uname -a (Displays defailed system info-smation like the keenel version, hostname and wichitedlive. man dt, du: Access manuals and disk usage detaile. The man command displays a user manual for any Commands or atilities available in the Terminal including their name, description and options. Command: man 1s (Shows the manual page for 1s command)

starch for files and patterns. The gree command is used to find a specific string in a sures of outputs. Command: grep "text" file. txt (This searches for the word "text" in file. Ext) The find command in Linux is a dynamic whility designed for comprehensive file and directory searches with a hierarchial Ĩř Command: find / home luser - name "file. txt" This searches for a file named file. txt in the /home/user directory and its subdirectories) · The locate command is generally used to locate the files in the database. Use an asterik (\*) to search for content that contains two or more words. Command: locate file. txt (This searches for file. txt on the system using a database of date and time in a variety of formats and set the system date and time. Command: date (This p displays The current date and time.) cal command is the not the most famous command in the terminal but it functions to view that calendar for a particular month in the terminal. Command: Cal 03 2025 this displays the calendar for March 2005)

· df command in Linux gets the details of the file lytern. Command: df-h (This shows the disk usage in a human-readeble format.) · The du command in Linux is a powerful utility that allows users to analyze and report on disk usage whithin directories and files. Command: du -sh /home/wer This shows the disk usage of the thome luser directory in a human-readable format.) 9) free, whoseis, which: Memory info and command locations The free command in Linux is the one that facilitates with providing the overview of system memory utilization. It displays all the details regarding the RAM usage such as how is the total, what is used and free memory including buffers and command: free -h this shows the memory usage in a human readable format.) · Whoreis command in Linux is generally used to see The exact breation of any command typed after this. Command: whereis is this shows the location of the is command binary, sowice and manual page.) The which command in linux is used to locate the executable file associated with a given command. When you enter a command in the terminal, which' helps identify which executable file will be greated when that command is invoked. Command: which python (This Shows the path of the python executs-

ble.