

1) Directory Navigation

```
root@Likki:/home/dev/DSA# pwd
/home/dev/DSA
root@Likki:/home/dev/DSA# ls
a.out          demo.txt          singliinsertbegdeletebig.cpp  stasinglilinkedlist.cpp
csinglilinkedlist.cpp  quesinglilinkedlist.cpp  stadoubelylinkedlist.cpp    touch.txt
root@Likki:/home/dev/DSA# cd ..
```

2) File Operations

```
root@Likki:/home/dev/DSA# touch demo.txt
root@Likki:/home/dev/DSA# vim demo.txt
root@Likki:/home/dev/DSA# cat demo.txt
hello there !!!
root@Likki:/home/dev/DSA# cp demo.txt demo1.txt
root@Likki:/home/dev/DSA# cat demo1.txt
hello there !!!
root@Likki:/home/dev/DSA# rm demo.txt
root@Likki:/home/dev/DSA# mv demo1.txt demo.txt
root@Likki:/home/dev/DSA# ls
a.out          demo.txt          singliinsertbegdeletebig.cpp  stasinglilinkedlist.cpp
csinglilinkedlist.cpp  quesinglilinkedlist.cpp  stadoubelylinkedlist.cpp    touch.txt
root@Likki:/home/dev/DSA# |
```

3) Installing & Managing Packages (Debian/Ubuntu)

```
root@Likki:/home/dev/DSA# sudo apt install curl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
curl is already the newest version (7.81.0-1ubuntu1.20).
curl set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 54 not upgraded.
root@Likki:/home/dev/DSA# |
```

4) System Info

```

root@Likki:/home/dev/DSA# uname -a
Linux Likki 5.15.167.4-microsoft-standard-WSL2 #1 SMP Tue Nov 5 00:21:55 UTC 2024 x86_64 x86_64 x86_64 GNU/Linux
root@Likki:/home/dev/DSA# top
top - 16:38:28 up 17 min, 1 user, load average: 0.00, 0.05, 0.02
Tasks: 38 total, 1 running, 37 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.1 us, 0.1 sy, 0.0 ni, 99.8 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 7762.3 total, 6859.7 free, 570.5 used, 332.1 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 6962.2 avail Mem


```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1	root	20	0	165836	11304	8336	S	1.3	0.1	0:10.31	systemd
477	root	20	0	44188	37988	10152	S	0.7	0.5	0:06.59	python3
58	root	20	0	22096	5876	4412	S	0.3	0.1	0:00.18	systemd-udevd
2	root	20	0	2776	1924	1796	S	0.0	0.0	0:00.00	init-systemd(Ub
6	root	20	0	2776	4	0	S	0.0	0.0	0:00.00	init
35	root	19	-1	47736	14576	13564	S	0.0	0.2	0:00.16	systemd-journal
68	root	20	0	152992	2216	20	S	0.0	0.0	0:00.00	snapfuse
73	root	20	0	152992	200	40	S	0.0	0.0	0:00.00	snapfuse
76	root	20	0	452048	15300	336	S	0.0	0.2	0:00.77	snapfuse
82	root	20	0	153124	220	56	S	0.0	0.0	0:00.00	snapfuse
89	root	20	0	152992	176	20	S	0.0	0.0	0:00.00	snapfuse
95	root	20	0	601576	16676	372	S	0.0	0.2	0:03.64	snapfuse
99	root	20	0	302520	13688	316	S	0.0	0.2	0:01.00	snapfuse
105	root	20	0	152992	2200	0	S	0.0	0.0	0:00.00	snapfuse
114	systemd+	20	0	26200	13304	8320	S	0.0	0.2	0:00.13	systemd-resolve
129	root	20	0	4308	2640	2396	S	0.0	0.0	0:00.00	cron
130	message+	20	0	8592	4708	4172	S	0.0	0.1	0:00.06	dbus-daemon
156	root	20	0	30176	19296	10288	S	0.0	0.2	0:00.11	networkd-dispat
161	syslog	20	0	222404	7296	4484	S	0.0	0.1	0:00.04	rsyslogd
168	root	20	0	2144260	51488	23808	S	0.0	0.6	0:00.84	snappd
170	root	20	0	15332	7408	6424	S	0.0	0.1	0:00.10	systemd-logind
241	root	20	0	4784	3356	3116	S	0.0	0.0	0:00.09	subiquity-serve
259	root	20	0	107112	21488	13388	S	0.0	0.3	0:00.04	unattended-upgr

```

root@Likki:/home/dev/DSA# df -h
Filesystem      Size  Used Avail Use% Mounted on
none            3.8G   0 3.8G   0% /usr/lib/modules/5.15.167.4-microsoft-standard-WSL2
none            3.8G 4.0K 3.8G   1% /mnt/wsl
drivers         476G 265G 212G  56% /usr/lib/wsl/drivers
/dev/sdc        251G  2.4G 236G   1% /
none            3.8G  80K 3.8G   1% /mnt/wslg
none            3.8G   0 3.8G   0% /usr/lib/wsl/lib
rootfs          3.8G  2.4M 3.8G   1% /init
none            3.8G 876K 3.8G   1% /run
none            3.8G   0 3.8G   0% /run/lock
none            3.8G   0 3.8G   0% /run/shm
tmpfs           4.0M   0 4.0M   0% /sys/fs/cgroup
none            3.8G  76K 3.8G   1% /mnt/wslg/versions.txt

snapfuse        128K 128K   0 100% /snap/bare/5
snapfuse        74M  74M   0 100% /snap/core22/2010
snapfuse        74M  74M   0 100% /snap/core22/2045
snapfuse        92M  92M   0 100% /snap/gtk-common-themes/1535
snapfuse        51M  51M   0 100% /snap/snappd/24718
snapfuse        50M  50M   0 100% /snap/snappd/24792
snapfuse       132M 132M   0 100% /snap/ubuntu-desktop-installer/1286
snapfuse       151M 151M   0 100% /snap/ubuntu-desktop-installer/967
tmpfs          777M  4.0K 777M   1% /run/user/0
root@Likki:/home/dev/DSA# free -h

```

	total	used	free	shared	buff/cache	available
Mem:	7.6Gi	570Mi	6.7Gi	3.0Mi	332Mi	6.8Gi
Swap:	2.0Gi	0B	2.0Gi			

```

root@Likki:/home/dev/DSA# |

```

User Commands

```
root@Likki:/home/dev/DSA# whoami
root
root@Likki:/home/dev/DSA# id
uid=0(root) gid=0(root) groups=0(root)
root@Likki:/home/dev/DSA# adduser likithsomanna
Adding user 'likithsomanna' ...
Adding new group 'likithsomanna' (1002) ...
Adding new user 'likithsomanna' (1002) with group 'likithsomanna' ...
Creating home directory '/home/likithsomanna' ...
Copying files from '/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for likithsomanna
Enter the new value, or press ENTER for the default
  Full Name []: Likith Somanna C M
    Room Number []: 23
    Work Phone []: 7204790603
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
root@Likki:/home/dev/DSA# |
```