

- 1) **ls** — List files and directories in the current directory.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script$ ls
ubuntu
```

- 2) **ls -a** — List **all files** including hidden files (files starting with .).
- 3) **ls -l** — List files in **long format** (shows file permissions, owner, group, size, and modification date).
- 4) **ls -la** or **ls -al** — List **all files** in **long format**, including hidden files.
- 5) **ls -d \*/** — List **only directories** in the current directory.
- 6) **ls -R** — List files **recursively** in all subdirectories.
- 7)

#### SHELL SCRIPT COMMANDS :

- 1) **echo** — Print text to the terminal or script output.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script$ echo "tnr"
tnr
```

- 2) **read** — Take input from the user.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script$ read name
tnr
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script$ echo $name
tnr
```

- 3) **pwd** — Print the **current working directory**.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script$ pwd
/mnt/c/Users/tallu/OneDrive/Documents/shell script
```

- 4) **whoami** — Show the **current username**.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script$ whoami
tnrahalya
```

- 5) **date** — Display the **current date and time**.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script$ date
Thu Dec 19 07:56:04 IST 2024
```

- 6) **clear** — Clear the terminal screen.

- 7) **ls** — List files and directories.

- 8) **cd** — Change directory.

- 9) **mkdir** — Create a new directory.

10) **rm** — Remove files or directories.

11) **rmdir** — Remove an **empty directory**.

12) **cp** — Copy files or directories.

```
cp file.txt /destination/path/
```

13) **mv** — Move or rename files.

```
mv file.txt newname.txt
```

14) **touch** — Create an **empty file** or update its timestamp.

```
touch newfile.txt
```

15) **find** — Find files and directories.

```
find /home/user -name "file.txt"
```

16) **basename** — Extract **filename from a full path**.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script$ basename SRM/1.sh  
1.sh
```

17) **dirname** — Extract the **directory name** from a file path.

```
dirname /path/to/file.txt
```

18) **cat** — View the contents of a file.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ cat 1.sh  
echo "Enter number :"  
read a  
echo "enter second number :"  
read b  
echo "enter third number :"  
read c  
  
if [ $a -gt $b ] && [ $a -gt $c ];then  
    echo "$a is greater"  
elif [ $b -gt $c ];then  
    echo "$b is greater"  
else  
    echo "$c is greater"  
fi
```

19) **head** — Display the **first 10 lines** of a file.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ head 1.sh
echo "Enter number :"
read a
echo "enter second number :"
read b
echo "enter third number :"
read c

if [ $a -gt $b ] && [ $a -gt $c ];then
    echo "$a is greater"
elif [ $b -gt $c ];then
```

20) **tail** — Display the **last 10 lines** of a file.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ tail 1.sh
echo "enter third number :"
read c

if [ $a -gt $b ] && [ $a -gt $c ];then
    echo "$a is greater"
elif [ $b -gt $c ];then
    echo "$b is greater"
else
    echo "$c is greater"
fi
```

21) **grep** — Search for **pattern matches** in a file.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ grep "fi" 1.sh
fi
```

22) **awk** — Process and extract **text from files**.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ awk '{print $1}' 1.sh
echo
read
echo
read
echo
read

if
echo
elif
echo
else
echo
fi
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ awk '{print $2}' 1.sh
"Enter
a
"enter
b
"enter
c

[
"$a
[
```

23) **sed** — Perform **search and replace**.

24) `cut -d ':' -f 1 /etc/passwd`

25) **wc** — Count words, lines, characters in a file.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell_script/ubuntu$ wc -l 1.sh
14 1.sh
```

26) **tr** — Translate or replace characters.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell_script/ubuntu$ echo "hello" | tr 'a-z' 'A-Z'
HELLO
```

27) **chown** — Change file owner.

**ps** — View a list of processes.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ ps
  PID TTY          TIME CMD
   366 pts/0        00:00:00 bash
   7121 pts/0        00:00:00 ps
```

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ ps aux
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1   0.0  0.1 167212 12640 ?        Ss   07:46   0:11 /sbin/init
root         2   0.0  0.0   2616  1444 ?        Sl   07:46   0:00 /init
root         6   0.0  0.0   2616    4 ?        Sl   07:46   0:00 plan9 --control-socket 6 --log-level 4 --server-fd 7 --pipe-fd 9 --log-truncate
root        35   0.0  0.1  47736 15516 ?        Ss   07:46   0:00 /lib/systemd/systemd-journald
root        60   0.0  0.0  22220   6156 ?        Ss   07:46   0:00 /lib/systemd/systemd-udev
root        81   0.0  0.0   4096   160 ?        Ss   07:46   0:00 snapfuse /var/lib/snapd/snaps/bare_5.snap /snap/bare/5 -o ro,nodev,allow_other,suid
root        84   0.0  0.0   4764  1792 ?        Ss   07:46   0:00 snapfuse /var/lib/snapd/snaps/core22_1033.snap /snap/core22/1033 -o ro,nodev,allow_other,
root        86   0.0  0.0   4096  1424 ?        Ss   07:46   0:00 snapfuse /var/lib/snapd/snaps/core20_2182.snap /snap/core20/2182 -o ro,nodev,allow_other,
root        87   0.0  0.0   4628   172 ?        Ss   07:46   0:00 snapfuse /var/lib/snapd/snaps/gtk-common-themes_1535.snap /snap/gtk-common-themes/1535 -o
root        90   0.0  0.0   4628  1488 ?        Ss   07:46   0:00 snapfuse /var/lib/snapd/snaps/metasploit-framework_1300.snap /snap/metasploit-framework/1
root        98   0.1  0.0   4728  1808 ?        Ss   07:46   0:02 snapfuse /var/lib/snapd/snaps/snapd_20290.snap /snap/snapd/20290 -o ro,nodev,allow_other,
root       102   0.0  0.0   4496   172 ?        Ss   07:46   0:00 snapfuse /var/lib/snapd/snaps/ubuntu-desktop-installer_1284.snap /snap/ubuntu-desktop-ins
root       103   0.0  0.0   4768  1728 ?        Ss   07:46   0:00 snapfuse /var/lib/snapd/snaps/ubuntu-desktop-installer_1286.snap /snap/ubuntu-desktop-ins
systemd+   148   0.0  0.1  25260 12492 ?        Ss   07:46   0:00 /lib/systemd/systemd-resolved
root       159   0.0  0.0   4304   2724 ?        Ss   07:46   0:00 /usr/sbin/cron -f -P
message+   163   0.0  0.0   8584   4676 ?        Ss   07:46   0:00 @dbus-daemon --system --address=systemd: --nofork --nopidfile --systemd-activation --sysl
root       192   0.0  0.2  30124 19152 ?        Ss   07:46   0:00 /usr/bin/python3 /usr/bin/networkd-dispatcher --run-startup-triggers
syslog     193   0.0  0.0  222400   5308 ?        Ssl  07:46   0:00 /usr/sbin/rsyslogd -n -iNONE
root       195   0.0  0.0   15324  7416 ?        Ss   07:46   0:00 /lib/systemd/systemd-logind
root       222   0.0  0.0   4776   3316 ?        Ss   07:46   0:00 /bin/bash /snap/ubuntu-desktop-installer/1286/bin/subiquity-server
root       224   0.0  0.2 107220 21124 ?        Ssl  07:46   0:00 /usr/bin/python3 /usr/share/unattended-upgrades/unattended-upgrade-shutdown --wait-for-si
root       228   0.0  0.0   3236   1148 hvc0     Ss+  07:46   0:00 /sbin/agetty -o -p -- \u --noclear --keep-baud console 115200,38400,9600 vt220
root       230   0.0  0.0   3192  1080 tty1     Ss+  07:46   0:00 /sbin/agetty -o -p -- \u --noclear tty1 linux
root       338   0.2  1.3 2327632 108044 ?        Sl   07:46   0:02 /snap/ubuntu-desktop-installer/1286/usr/bin/python3.10 -m subiquity.cmd.server --use-os-p
root       364   0.0  0.0   2624   124 ?        Ss   07:46   0:00 /init
root       365   0.0  0.0   2624   132 ?        R    07:46   0:00 /init
tnrahaly+ 366   0.0  0.0   6172  5172 pts/0    Ss   07:46   0:00 -bash
root       367   0.0  0.0   7528  5004 pts/1    Ss   07:46   0:00 /bin/login -f
tnrahaly+ 425   0.0  0.1  16908   8748 ?        Ss   07:46   0:00 /lib/systemd/systemd --user
tnrahaly+ 426   0.0  0.0  168868   3480 ?        S    07:46   0:00 (sd-pam)
tnrahaly+ 432   0.0  0.0   6120   4048 pts/1    Ss+  07:46   0:00 -bash
root       452   0.4  0.4  40232 37736 ?        S    07:46   0:06 python3 /snap/ubuntu-desktop-installer/1286/usr/bin/cloud-init status --wait
root       667   0.0  0.0   4720   1688 ?        Ss   07:47   0:01 snapfuse /var/lib/snapd/snaps/snapd_23258.snap /snap/snapd/23258 -o ro,nodev,allow_other,
root       675   2.7  0.6 1838696 52204 ?        Ssl  07:47   0:39 /usr/lib/snapd/snapd
root      1704   0.0  0.0   4628   1612 ?        Ss   07:49   0:00 snapfuse /var/lib/snapd/snaps/core24_609.snap /snap/core24/609 -o ro,nodev,allow_other,su
root      1823   0.0  0.0   4496   160 ?        Ss   07:49   0:00 snapfuse /var/lib/snapd/snaps/core20_2434.snap /snap/core20/2434 -o ro,nodev,allow_other,
root      2328   0.0  0.0   4772   1812 ?        Ss   07:50   0:00 snapfuse /var/lib/snapd/snaps/core22_1722.snap /snap/core22/1722 -o ro,nodev,allow_other,
tnrahaly+ 7221   0.0  0.0   7084   3296 pts/0    R+   08:10   0:00 ps aux
```

**top** — View real-time system stats.

**kill** — Kill a process by PID.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ kill 12345
-bash: kill: (12345) - No such process
```

**killall** — Kill all instances of a process name.

```
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ killall firefox
firefox: no process found
tnrahalya@TNR:/mnt/c/Users/tallu/OneDrive/Documents/shell script/ubuntu$ killall ubuntu
ubuntu: no process found
```

**bg** — Resume a process in the background.

**fg** — Resume a process in the foreground.

**jobs** — List background jobs.

**sleep** — Pause the script for a set time.

