

NAME= ANKIT GONDHA

UI21CS10

System Software LAB 1

1) CAL

```
ASUS@LAPTOP-1E6V8335 ~  
$ cal -1  
January 2023  
Su Mo Tu We Th Fr Sa  
1 2 3 4 5 6 7  
8 9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30 31
```

```
ASUS@LAPTOP-1E6V8335 ~  
$ cal  
January 2023  
Su Mo Tu We Th Fr Sa  
1 2 3 4 5 6 7  
8 9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30 31
```

```
ASUS@LAPTOP-1E6V8335 ~  
$ cal -3  
December 2022 January 2023 February 2023  
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa  
1 2 3 1 2 3 4 5 6 7 1 2 3 4  
4 5 6 7 8 9 10 8 9 10 11 12 13 14 5 6 7 8 9 10 11  
11 12 13 14 15 16 17 15 16 17 18 19 20 21 12 13 14 15 16 17 18  
18 19 20 21 22 23 24 22 23 24 25 26 27 28 19 20 21 22 23 24 25  
25 26 27 28 29 30 31 29 30 31 26 27 28
```

```
ASUS@LAPTOP-1E6V8335 ~  
$ cal Jan 2022  
January 2022  
Su Mo Tu We Th Fr Sa  
1  
2 3 4 5 6 7 8  
9 10 11 12 13 14 15  
16 17 18 19 20 21 22  
23 24 25 26 27 28 29  
30 31
```

```
ASUS@LAPTOP-1E6V8335 ~  
$
```

ASUS@LAPTOP-1E6V8335 ~

\$ cal -s

```
January 2023
Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6  7
 8  9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31
```

ASUS@LAPTOP-1E6V8335 ~

\$ cal -m

```
January 2023
Mo Tu We Th Fr Sa Su
                1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
```

ASUS@LAPTOP-1E6V8335 ~

\$ cal -j

```
January 2023
Sun Mon Tue Wed Thu Fri Sat
 1  2  3  4  5  6  7
 8  9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31
```

ASUS@LAPTOP-1E6V8335 ~

\$ cal -y

2023

January							February							March						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7				1	2	3	4				1	2	3	4
8	9	10	11	12	13	14	5	6	7	8	9	10	11	5	6	7	8	9	10	11
15	16	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18
22	23	24	25	26	27	28	19	20	21	22	23	24	25	19	20	21	22	23	24	25
29	30	31					26	27	28					26	27	28	29	30	31	

April							May							June						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1		1	2	3	4	5	6					1	2	3
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30	
30																				

July							August							September						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
						1					1	2	3	4	5				1	2
2	3	4	5	6	7	8	6	7	8	9	10	11	12	3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28	29	30	31			24	25	26	27	28	29	30
30	31																			

October							November							December						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7					1	2	3						1	2
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30

2.CLEAR

```
ASUS@LAPTOP-1E6V8335 ~  
$ cal -w  
      January 2023  
Su Mo Tu We Th Fr Sa  
1  1  2  3  4  5  6  7  
2  8  9 10 11 12 13 14  
3 15 16 17 18 19 20 21  
4 22 23 24 25 26 27 28  
5 29 30 31  
  
ASUS@LAPTOP-1E6V8335 ~  
$ clear
```

```
~  
  
ASUS@LAPTOP-1E6V8335 ~  
$
```

3. man

```
~
LS(1) User Commands

NAME
    ls - list directory contents

SYNOPSIS
    ls [OPTION]... [FILE]...

DESCRIPTION
    List information about the FILES (the current directory by default).  Sort entries
    according to the options given.  Mandatory arguments to long options are mandatory for short options too.

    -a, --all
        do not ignore entries starting with .

    -A, --almost-all
        do not list implied . and ..

    --author
        with -l, print the author of each file

    -b, --escape
        print C-style escapes for nongraphic characters

    --block-size=SIZE
        with -l, scale sizes by SIZE when printing them; e.g., '--block-size=M'; see
        the ls(1) manual for more details

    -B, --ignore-backups
        do not list implied entries ending with ~

    -c
        with -lt: sort by, and show, ctime (time of last modification of file status)
        sort by ctime, newest first

    -C
        list entries by columns

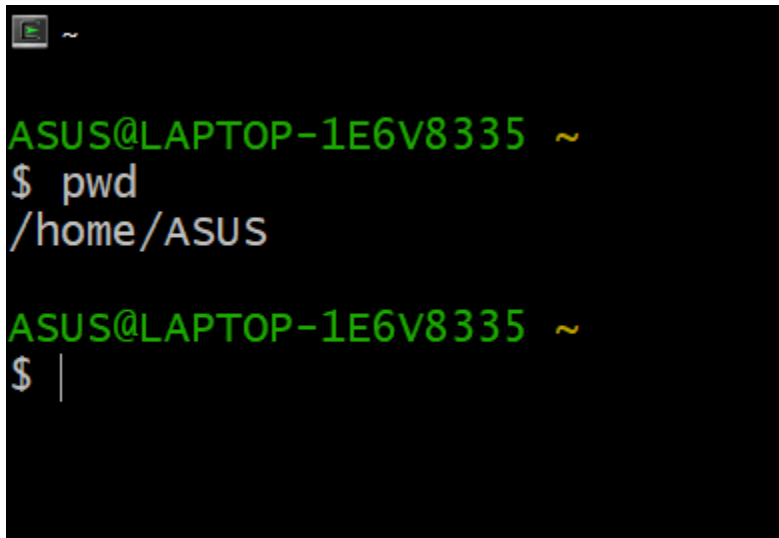
    --color[=WHEN]
        colorize the output; WHEN can be 'always' (default if omitted), 'auto', or
        'never'

    -d, --directory
        list directories themselves, not their contents

    -D, --dired
        generate output designed for Emacs' dired mode

Manual page ls(1) line 1 (press h for help or q to quit)
```

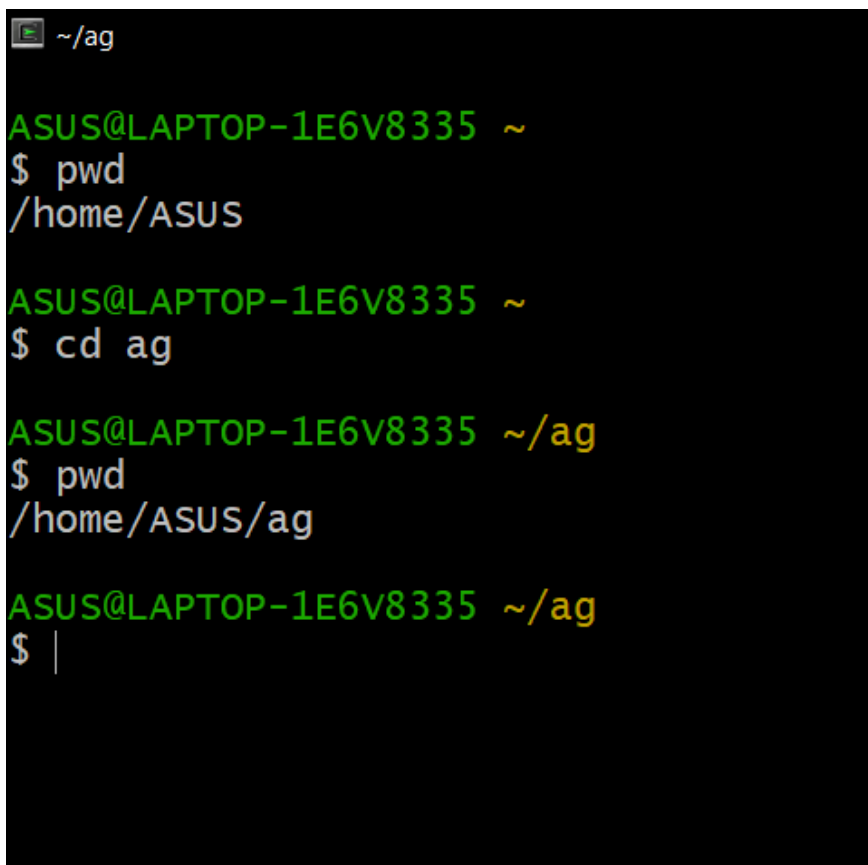
4. Pwd



```
ASUS@LAPTOP-1E6V8335 ~  
$ pwd  
/home/ASUS  
  
ASUS@LAPTOP-1E6V8335 ~  
$ |
```

A terminal window with a black background. The title bar shows a window icon and a tilde (~). The prompt is 'ASUS@LAPTOP-1E6V8335 ~' in green. The user enters 'pwd' and the output is '/home/ASUS'. In the second instance, the user enters a vertical bar '|' and the prompt returns.

5. Cd



```
ASUS@LAPTOP-1E6V8335 ~  
$ pwd  
/home/ASUS  
  
ASUS@LAPTOP-1E6V8335 ~  
$ cd ag  
  
ASUS@LAPTOP-1E6V8335 ~/ag  
$ pwd  
/home/ASUS/ag  
  
ASUS@LAPTOP-1E6V8335 ~/ag  
$ |
```

A terminal window with a black background. The title bar shows a window icon and the path '~/ag'. The prompt is 'ASUS@LAPTOP-1E6V8335 ~' in green. The user enters 'pwd' and the output is '/home/ASUS'. In the second instance, the user enters 'cd ag' and the prompt changes to 'ASUS@LAPTOP-1E6V8335 ~/ag' in green. The user then enters 'pwd' and the output is '/home/ASUS/ag'. In the third instance, the user enters a vertical bar '|' and the prompt returns.

6. Ls

```
ASUS@LAPTOP-1E6V8335 ~  
$ pwd  
/home/ASUS  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls  
ag file1.txt new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls -l  
total 1  
drwxr-xr-x 1 ASUS None 0 Jan 10 10:54 ag  
-rw-r--r-- 1 ASUS None 65 Jan 10 11:05 file1.txt  
drwxr-xr-x 1 ASUS None 0 Jan 10 11:00 new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls -l  
total 1  
drwxr-xr-x 1 ASUS None 0 Jan 10 10:54 ag  
-rw-r--r-- 1 ASUS None 65 Jan 10 11:05 file1.txt  
drwxr-xr-x 1 ASUS None 0 Jan 10 11:00 new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls -p  
ag/ file1.txt new/  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls -s  
total 1  
0 ag 1 file1.txt 0 new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ |
```

7. Exit: It is used to terminate a program, shell or log you out of a network normally.

8. Echo

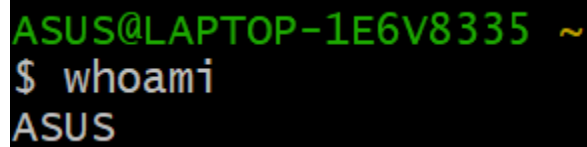
```
ASUS@LAPTOP-1E6V8335 ~  
$ echo "Ankit Gondha"  
Ankit Gondha  
  
ASUS@LAPTOP-1E6V8335 ~  
$ |
```

```
ASUS@LAPTOP-1E6V8335 ~  
$ echo -e "ankit \ngondha"  
- e ankit \ngondha  
  
ASUS@LAPTOP-1E6V8335 ~  
$
```


9) who :- who command can list the names of users currently logged in, their terminal, the time they have been logged in, and the name of the host from which they have logged in.

Syntax: - who [options] [file]

10) whoami

A terminal window with a black background. The prompt 'ASUS@LAPTOP-1E6V8335 ~' is shown in green. Below it, the command '\$ whoami' is entered in white. The output 'ASUS' is displayed in white on the next line.

```
ASUS@LAPTOP-1E6V8335 ~  
$ whoami  
ASUS
```

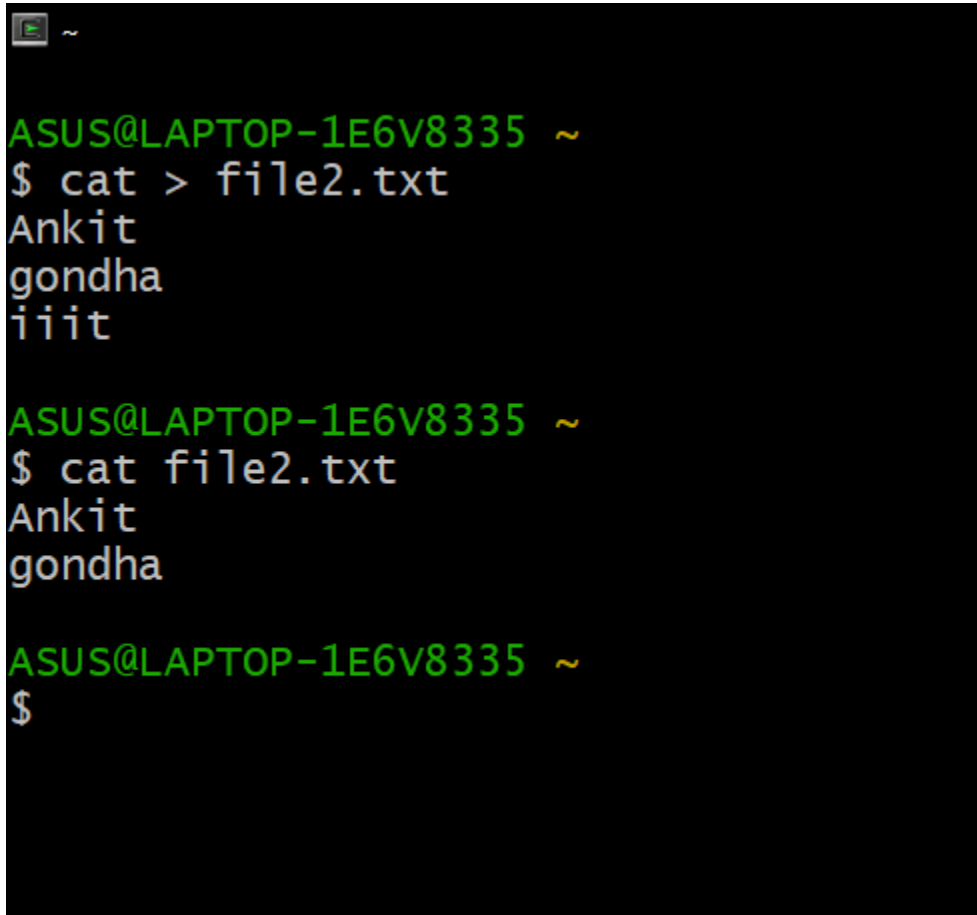
11) mkdir

```
ASUS@LAPTOP-1E6V8335 ~  
$ mkdir ankit  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls  
ag ankit file1.txt new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ mkdir -v ankit2  
mkdir: created directory 'ankit2'  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls  
ag ankit ankit2 file1.txt new  
  
ASUS@LAPTOP-1E6V8335 ~  
$
```

12) rmdir

```
ASUS@LAPTOP-1E6V8335 ~  
$ ls  
ag ankit ankit2 file1.txt new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ rmdir  
rmdir: missing operand  
Try 'rmdir --help' for more information.  
  
ASUS@LAPTOP-1E6V8335 ~  
$ rmdir ankit  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls  
ag ankit2 file1.txt new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ |
```

13)cat



```
ASUS@LAPTOP-1E6V8335 ~  
$ cat > file2.txt  
Ankit  
gondha  
iiit  
  
ASUS@LAPTOP-1E6V8335 ~  
$ cat file2.txt  
Ankit  
gondha  
  
ASUS@LAPTOP-1E6V8335 ~  
$
```

14)cp

```
ASUS@LAPTOP-1E6V8335 ~  
$ cat > file2.txt  
Ankit  
gondha  
iiit  
  
ASUS@LAPTOP-1E6V8335 ~  
$ cat file2.txt  
Ankit  
gondha  
  
ASUS@LAPTOP-1E6V8335 ~  
$ cp file2.txt file3.txt  
  
ASUS@LAPTOP-1E6V8335 ~  
$ cat file3.txt  
Ankit  
gondha  
  
ASUS@LAPTOP-1E6V8335 ~  
$
```

15) rm

```
ASUS@LAPTOP-1E6V8335 ~  
$ cat > file2.txt  
Ankit  
gondha  
iiit  
  
ASUS@LAPTOP-1E6V8335 ~  
$ cat file2.txt  
Ankit  
gondha  
  
ASUS@LAPTOP-1E6V8335 ~  
$ cp file2.txt file3.txt  
  
ASUS@LAPTOP-1E6V8335 ~  
$ cat file3.txt  
Ankit  
gondha  
  
ASUS@LAPTOP-1E6V8335 ~  
$ rm file2.txt  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls  
ag ankit.txt ankit2 file1.txt file3.txt new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ |
```

16) mv

```
ASUS@LAPTOP-1E6V8335 ~  
$ ls  
ag ankit.txt ankit2 file1.txt file3.txt new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ mv ag ag2  
  
ASUS@LAPTOP-1E6V8335 ~  
$ ls  
ag2 ankit.txt ankit2 file1.txt file3.txt new  
  
ASUS@LAPTOP-1E6V8335 ~  
$ |
```

17) history

```
ASUS@LAPTOP-1E6V8335 ~  
$ history  
 1 ps  
 2 cal  
 3 cal -m  
 4 cal -3  
 5 cal -j  
 6 cal -y  
 7 clear  
 8 man ps  
 9 man ls  
10 man ls  
11 ls movies  
12 ls D:\Ankit movies  
13 ls  
14 pwd  
15 cd  
16 cd  
17 pwd  
18 ls Shortcuts  
19 ls asuslogo  
20 ls asuslogo.png  
21 ls -l  
22 clear  
23 pwd  
24 cd ..  
25 pwd  
26 cd ..  
27 pwd  
28 cd E  
29 cd home  
30 pwd  
31 cd ..  
32 pwd  
33 cd ..  
34 pwd  
35 cd ~/Desktop  
36 cd ~  
37 cd ~/Desktop  
38 cd ..  
39 pwd  
40 cd ~/Desktop  
41 cd ?  
42 exit  
43 pwed  
44 pwd  
45 cd ..  
46 pwd  
47 cd ..  
48 pwd  
49 ls  
50 cd home  
51 ls  
52 pwd  
53 cd ASUS  
54 ls  
55 ls
```

```
ASUS@LAPTOP-1E6V8335 ~  
$ history -c  
  
ASUS@LAPTOP-1E6V8335 ~  
$ history  
 1 history
```


18) ps

```
ASUS@LAPTOP-1E6V8335 ~  
$ ps
```

PID	PPID	PGID	WINPID	TTY	UID	STIME	COMMAND
749	1	749	1108	?	197609	11:03:10	/usr/bin/mintty
750	749	750	6568	pty0	197609	11:03:10	/usr/bin/bash
832	750	832	7076	pty0	197609	11:49:54	/usr/bin/ps

19) date

```
ASUS@LAPTOP-1E6V8335 ~  
$ date  
Tue Jan 10 11:55:31 IST 2023  
  
ASUS@LAPTOP-1E6V8335 ~  
$ date --date "2 month ago"  
Thu Nov 10 11:56:10 IST 2022  
  
ASUS@LAPTOP-1E6V8335 ~  
$
```