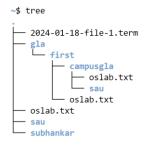1.to make new folder the command will be

~$ mkdir gla +enter

~$ mkdir subhankar +enter

~$ mkdir sau   +enter

~$

2. to see the folder

=> "ls+enter"

```
~$ ls
2024-01-18-file-1.term  gla  sau  subhankar
```

3. to enter in a directory:-

 => "cd directory name"

```
~$ cd gla
~/gla$ cd first
~/gla/first$ █
```

4.to display tree:-

=> " tree"   (before applying tree you must type "cd+enter" to go to the root
                                                                directory

```
~$ tree
.
├── 2024-01-18-file-1.term
├── gla
│   └── first
│       ├── campusgla
│       │   ├── oslab.txt
│       │   └── sau
│       └── oslab.txt
├── oslab.txt
├── sau
└── subhankar
```

4.1. to go to the root folder : "cd+enter"

```
~/gla/first$ cd
~$ []
```

5."history ": show all the command you enter

6."rmdir   directory name": remove the directry

6.1. "rmdir   file name": remove the file

7."date": show todays date

8: "cal" :show current month calender

9:"rmdir -p gla/first/campusgla "   : to delete the parent directory (to see the
                                                                                    address
go to root directory and run a command
          "tree"

10: "cal yearname(ex: 2001)" :- show the full calender of that year

11."ps": display current running process

12: "pwd" :- show present working directory

13:"man mkdir" :- explain the whole working of the directory

14: "mkdir directory1_name directory2_name directory3_name " : to make multiple
                                                directory at a time

15: "touch   file_name.extension" (ex- ~/gla/first/campusgla$ touch oslab.txt) :- create a txt file
                                                                    inside the current directory

16. "cat > file_name.txt" (ex:- cat >oslab.txt)enter in the txt file where you can write anything after
writing (crtl+z)

17:" cat   file_name.txt" (ex:- cat oslab.txt) to display the file content

18. "cat >> file_name.txt"   :- to enter in a txt file for add more information

19." cp oslab.txt   gla/first" :copy the file oslab.txt   into the first folder (you mast stay in root
                                                folder)

```
bash: uf: command not found
~/gla/first$ cd
~$ cp oslab.txt gla/first
~$ tree
.
├── 2024-01-18-file-1.term
├── gla
│   └── first
│       ├── campusgla
│       │   └── oslab.txt
│       └── oslab.txt
├── oslab.txt
├── sau
└── subhankar
```

20. "mv   gla/first/campusgla/sau   oslab.txt" :-- move the file(oslab.txt) into sau

21. "cat a.txt b.txt" :- add contents of a.txt in the b.txt   (but it is temporary)

22. "cat a.txt >> b.txt" :- add contents of a.txt in the b.txt   (but it is permanent)

Your text file must contain 20 line contents to run the following command
23. "head a.txt" :- display the first 10 lines of the text file a.txt
24. "head -5 a.txt" :- display the first 5 lines of the text file a.txt
25. "tail a.txt" :- display the last 10 lines of the text file a.txt
26. "tail -2 a.txt" :- display the last 2 lines of the text file a.txt
27. "head -n +8 a.txt | tail -n +5 " :- display line 5 to line 8 in the text file a.txt
"more a.txt"   ==➔
"less a.txt" =➔
The 'more' command is similar to 'less' in that it allows you to view the contents of a file one screen at a time. However, unlike 'less', 'more' only allows you to scroll forward through a file, not backward. To navigate to the next screen, simply press the spacebar.

28 . "echo "string " >> text2.txt" :- add the string at the last of the file text2.txt

```
~/subha$ echo "rajaji" >> text2.txt
~/subha$ cat a.txt
cat: a.txt: No such file or directory
~/subha$ cat text2.txt
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
rajaji
~/subha$
```

29. "wc -l text2.txt" :- display the no of line in text2.txt file

30. "wc -c text2.txt"   :- display the no of character in text2.txt file

40. "wc -w text2.txt"   :- display the no of word in text2.txt file

```
~/subha$ wc -l -c -w text2.txt
21 21 58 text2.txt
~/subha$ wc -l
^Z
[6]+  Stopped                    wc -l
~/subha$ wc -l  text2.txt
21 text2.txt
~/subha$ wc -c  text2.txt
58 text2.txt
~/subha$ wc -w  text2.txt
21 text2.txt
~/subha$ █
```

41." uniq a.txt":-remove the duplicate line from a.txt

```
~/sahoo$ cat >a.txt
gla
gla
gla gla
gla gla gla
abc
abc
ABC
^Z
[2]+  Stopped              cat > a.txt
~/sahoo$ cat a.txt
gla
gla
gla gla
gla gla gla
abc
abc
ABC
~/sahoo$ uniq a.txt
gla
gla gla
gla gla gla
abc
ABC
  . . . . ▯
```

```
~/sahoo$ cat >a.txt
gla
gla
gla gla
gla gla gla
abc
abc
ABC
^Z
[2]+  Stopped              cat > a.txt
~/sahoo$ cat a.txt
gla
gla
gla gla
gla gla gla
abc
abc
ABC
~/sahoo$ uniq a.txt
gla
gla gla
gla gla gla
abc
ABC
~/sahoo$ uniq -c a.txt
      2 gla
      1 gla gla
      1 gla gla gla
      2 abc
      1 ABC
~/sahoo$ ▯
```

42. "uniq -c a.txt":- the the no of repeating line count

43. "sed 's/gla/gggaaa/' a.txt":--) it will replace a word by another word .it will only replace the first occurrence of that word

```
~/sahoo$ cat a.txt
gla
gla
gla gla
gla gla gla
abc
abc
ABC
~/sahoo$ sed 's/gla/gggaaa/' a.txt
gggaaa
gggaaa
gggaaa gla
gggaaa gla gla
abc
abc
ABC
~/sahoo$ []
```

44. "sed 's/gla/gggaaa/g' a.txt":-change all gla to gggaaa

```
~/sahoo$ cat a.txt
gla
gla
gla gla
gla gla gla
abc
abc
ABC
~/sahoo$ sed 's/gla/gggaaa/g' a.txt
gggaaa
gggaaa
gggaaa gggaaa
gggaaa gggaaa gggaaa
abc
abc
ABC
~/sahoo$ █
```

45." touch .saaaa.txt":-create hidden file

46. "ls -a":- show hidden file

```
1 directory, 2 files
~/sahoo$ ls -a
.  ..  .saaaa.txt  a.txt  subhankar
~/sahoo$ ls -lart
total 4
drwxr-xr-x 5 user user 13 Feb  8 08:36 ..
drwxr-xr-x 2 user user  3 Feb  8 08:37 subhankar
-rw-r--r-- 1 user user 40 Feb  8 08:41 a.txt
-rw-r--r-- 1 user user  0 Feb  8 09:01 .saaaa.txt
drwxr-xr-x 3 user user  5 Feb  8 09:01 .
~/sahoo$ ls -lrt
total 2
drwxr-xr-x 2 user user  3 Feb  8 08:37 subhankar
-rw-r--r-- 1 user user 40 Feb  8 08:41 a.txt
~/sahoo$ █
```

47.
```
~$ cat >a.txt
gla
gla gla
gla gla gla
^Z
[1]+  Stopped                 cat > a.txt

~$ cut -c1 a.txt
g
g
g
```

48.

```
~$ cut  -c1-6 a.txt
gla
gla gl
gla gl
~$ []
```

49.

```
Try  cut --help  for more information
~$ cut -c1-3 a.txt
gla
gla
gla
~$ █
```

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