1. Display following messages on your terminal (including quotes and newline).

## "God bless us!

We are starting with basic linux command"

```
athul@athul-VirtualBox:~$ echo -e ""god bless us! we are starting with basic linux commands""
god bless us! we are starting with basic linux commands
athul@athul-VirtualBox:~$
```

2. Read your name from the keyboard and display it.

```
athul@athul-VirtualBox:~$ read -p "enter your name : " name
enter your name : athul
athul@athul-VirtualBox:~$ echo " your name is : $name "
your name is : athul
athul@athul-VirtualBox:~$
```

3. Create the directory structure dir1/dir4 and dir1/dir2/dir3 with a single command and then change directory to dir3

```
athul@athul-VirtualBox:~$ mkdir -p dir1/dir4 dir1/dir2/dir3
athul@athul-VirtualBox:~$ cd dir1/dir2/dir3
athul@athul-VirtualBox:~/dir1/dir2/dir3$
```

4. Create some files using nano and touch

```
athul@athul-VirtualBox:~/dir1/dir2/dir3$ nano file1.txt
athul@athul-VirtualBox:~/dir1/dir2/dir3$ touch file2.txt file3.txt
athul@athul-VirtualBox:~/dir1/dir2/dir3$ ls
file1.txt file2.txt file3.txt
```

5. Display the current directory

```
athul@athul-VirtualBox:~/dir1/dir2/dir3$ pwd
/home/athul/dir1/dir2/dir3
```

- 6. Listing files and folders
  - a) List the contents of dir1 and all its descendants

```
athul@athul-VirtualBox:~$ ls -r dir1
dir4 dir2
```

- List the contents of dir3 in
- i. Alphabetic order

```
athul@athul-VirtualBox:~/dir1/dir2$ ls dir3
al.txt bl.txt cl.txt dl.txt el.txt file1.txt file2.txt file3.txt yes
```

ii. Sorted on time of modification, newest first

```
athul@athul-VirtualBox:~/dir1/dir2$ ls -lt dir3
total 24
                                                                                iii.
                                                                                     S
-rw-rw-r-- 1 athul athul 0 Feb 25 14:17 d1.txt
                                                                         orted
-rw-rw-r-- 1 athul athul
                         0 Feb 25 14:17 e1.txt
                                                                         on
-rw-rw-r-- 1 athul athul 10 Feb 25 14:16 c1.txt
                                                                         size
-rw-rw-r-- 1 athul athul 8 Feb 25 14:16 b1.txt
-rw-rw-r-- 1 athul athul
                         4 Feb 25 14:16 al.txt
-rw-rw-r-- 1 athul athul
                        1 Feb 25 14:14 yes
-rw-rw-r-- 1 athul athul@athul-VirtualBox:~/dir1/dir2$ ls -ls dir3
-rw-rw-r-- 1 athul athu total 24
-rw-rw-r-- 1 athul athu
                       4 -rw-rw-r-- 1 athul athul 4 Feb 25 14:16 a1.txt
athul@athul-VirtualBox:
                       4 -rw-rw-r-- 1 athul athul 8 Feb 25 14:16 b1.txt
                       4 -rw-rw-r-- 1 athul athul 10 Feb 25 14:16 c1.txt
                       0 -rw-rw-r-- 1 athul athul
                                                   0 Feb 25 14:17 d1.txt
                       0 -rw-rw-r-- 1 athul athul 0 Feb 25 14:17 e1.txt
                       4 -rw-rw-r-- 1 athul athul 30 Feb 25 14:06 file1.txt
                       4 -rw-rw-r-- 1 athul athul
                                                    1 Feb 25 14:07 file2.txt
                       0 -rw-rw-r-- 1 athul athul 0 Feb 25 14:07 file3.txt
                       4 -rw-rw-r-- 1 athul athul
                                                    1 Feb 25 14:14 yes
                        athul@athul-VirtualBox:~/dir1/dir2$
```

iv. Reverse order

```
athul@athul-VirtualBox:~/dir1/dir2$ ls -r dir3
yes file3.txt file2.txt file1.txt e1.txt d1.txt c1.txt b1.txt a1.txt
athul@athul-VirtualBox:~/dir1/dir2$
```

v. Long listing of files sorted on size with smallest first

```
athul@athul-VirtualBox:~/dir1/dir2$ ls -lsr dir3
total 24
4 -rw-rw-r-- 1 athul athul 1 Feb 25 14:14 yes
0 -rw-rw-r-- 1 athul athul 0 Feb 25 14:07 file3.txt
4 -rw-rw-r-- 1 athul athul 1 Feb 25 14:07 file2.txt
4 -rw-rw-r-- 1 athul athul 30 Feb 25 14:06 file1.txt
0 -rw-rw-r-- 1 athul athul 0 Feb 25 14:17 e1.txt
0 -rw-rw-r-- 1 athul athul 0 Feb 25 14:17 d1.txt
4 -rw-rw-r-- 1 athul athul 10 Feb 25 14:16 c1.txt
4 -rw-rw-r-- 1 athul athul 8 Feb 25 14:16 b1.txt
4 -rw-rw-r-- 1 athul athul 4 Feb 25 14:16 a1.txt
```

vi. Displayed in human readable form

```
athul@athul-VirtualBox:~/dir1/dir2$ ls -lh dir3

total 24K
-rw-rw-r-- 1 athul athul 4 Feb 25 14:16 al.txt
-rw-rw-r-- 1 athul athul 8 Feb 25 14:16 bl.txt
-rw-rw-r-- 1 athul athul 10 Feb 25 14:16 cl.txt
-rw-rw-r-- 1 athul athul 0 Feb 25 14:17 dl.txt
-rw-rw-r-- 1 athul athul 0 Feb 25 14:17 el.txt
-rw-rw-r-- 1 athul athul 30 Feb 25 14:06 file1.txt
-rw-rw-r-- 1 athul athul 1 Feb 25 14:07 file2.txt
-rw-rw-r-- 1 athul athul 0 Feb 25 14:14 yes
athul@athul-VirtualBox:~/dir1/dir2$
```

7. Execute ls and store

the output to a file Isoutput

```
athul@athul-VirtualBox:~/dir1/dir2$ ls > ĺsoutput
athul@athul-VirtualBox:~/dir1/dir2$ ls
dir3 lsoutput
```

- 8. Display the file
- (i) starting with the first 10 lines and

```
athul@athul-VirtualBox:~/dir1/dir2$ head lsoutput
dir3
lsoutput
hey how are you1. Display following messages on your terminal (including quotes and newline).
"God bless us!
We are starting with basic linux command"
2. Read your name from the keyboard and display it.
3. Create the directory structure dir1/dir4 and dir1/dir2/dir3 with a single command and then change directory to dir3
4. Create a file testfile1 using nano
Display the file
athul@athul-VirtualBox:~/dir1/dir2$
```

(ii) starting with the 10th line with provision for

a) Scrolling Up

```
dir3
lsoutput
hey how are youl. Display following messages on your terminal (including quotes and newline).
"God bless us!
We are starting with basic linux command"
2. Read your name from the keyboard and display it.
3. Create the directory structure dir1/dir4 and dir1/dir2/dir3 with a single command and then change directory to dir3
4. Create a file testfile1 using nano
Display the file
(i) starting with the first 10 lines and
(ii) starting with the 10th line with provision for
a) Scrolling Up
b) Scrolling Up
command. Search for
Lsoutput (END)
```

b) Scrolling Up and Down

```
Isoutput
hey how are youl. Display following messages on your terminal (including quotes and newline).
"God bless us!
We are starting with basic linux command"
2. Read your name from the keyboard and display it.
3. Create the directory structure dirl/dir4 and dirl/dir2/dir3 with a single command and then change directory to dir3
4. Create a file testfiel using nano
Display the file
(i) starting with the first 10 lines and
(ii) starting with the 10th line with provision for
a) Scrolling Up
b) Scrolling Up and Down
5. Get the manual page of 'ls' command. Search for

(END).
```

9. Get the manual page of 'ls' command. Search for the word "alphabetic". Find the next occurrence and then find the previous occurrence.

```
belautt Hati-Mindow is Hati of the screen Height.
                         SEARCHING
                  * Search forward for (N-th) matching line.
/pattern
                  * Search backward for (N-th) matching line.
?<u>pattern</u>

    Repeat previous search (for <u>N</u>-th occurrence).

N

    Repeat previous search in reverse direction.

                 * Repeat previous search, spanning files.
ESC-n
                 * Repeat previous search, reverse dir. & spanning files.
ESC-N
ESC-u
                     Undo (toggle) search highlighting.
                  * Display only matching lines
&<u>pattern</u>
```