

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
```

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

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

iii. S

orted
on
size

- 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 a1.txt
-rw-rw-r-- 1 athul athul 8 Feb 25 14:16 b1.txt
-rw-rw-r-- 1 athul athul 10 Feb 25 14:16 c1.txt
-rw-rw-r-- 1 athul athul 0 Feb 25 14:17 d1.txt
-rw-rw-r-- 1 athul athul 0 Feb 25 14:17 e1.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 14:07 file3.txt
-rw-rw-r-- 1 athul athul 1 Feb 25 14:14 yes
athul@athul-VirtualBox:~/dir1/dir2$

```

7. Execute
ls and store
the output to a file lsoutput

```

athul@athul-VirtualBox:~/dir1/dir2$ ls > lsoutput
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 you!. 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 you!. 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 and Down
5. Get the manual page of 'ls' command. Search for
lsoutput (END)
```

b) Scrolling Up and Down

