

Assignment 2

1. List the directory contents date wise sorted. (man ls)

```
osboxes@osboxes:~$ ls -t
Desktop      new1.txt  Documents  Public      Videos
Downloads    Pictures  Music       Templates    snap
osboxes@osboxes:~$ |
```

2. List the directory contents size wise sorted. (man ls)

```
osboxes@osboxes:~$ ls -s
total 40
4 Desktop      4 Downloads  4 new1.txt  4 Public  4 Templates
4 Documents    4 Music      4 Pictures  4 snap    4 Videos
osboxes@osboxes:~$ |
```

3. List directory contents along with their inode no. (man ls)

```
osboxes@osboxes:~$ ls -i
8126541 Desktop      8126546 Music       8126544 Public      8126548 Videos
8126545 Documents    8127302 new1.txt  8126470 snap
8126542 Downloads    8126547 Pictures  8126543 Templates
osboxes@osboxes:~$ |
```

4. List the contents of the subdirectory.

```
osboxes@osboxes:~$ ls -R
.:
Desktop    Downloads  new1.txt   Public     Templates
Documents  Music      Pictures   snap       Videos

./Desktop:
os

./Desktop/os:
file1.txt  file2.txt  file3.txt  file.txt

./Documents:

./Downloads:
file.txt

./Music:

./Pictures:
Screenshots

./Pictures/Screenshots:
'Screenshot from 2024-10-07 10-59-48.png'
'Screenshot from 2024-10-07 11-01-07.png'
'Screenshot from 2024-10-07 11-01-26.png'
'Screenshot from 2024-10-07 11-01-42.png'
'Screenshot from 2024-10-07 11-02-04.png'
'Screenshot from 2024-10-07 11-02-14.png'
'Screenshot from 2024-10-07 11-02-32.png'
'Screenshot from 2024-10-07 11-03-00.png'
'Screenshot from 2024-10-07 11-03-19.png'
'Screenshot from 2024-10-07 11-07-41.png'
'Screenshot from 2024-10-07 11-09-46.png'
```

5. Create a file, write your surname and name in it and save.

```
osboxes@osboxes:~$ cat > new2.txt
Vinay Patil
osboxes@osboxes:~$ cat new2.txt
Vinay Patil
osboxes@osboxes:~$
```

I. Now open the same file and add your address in it and save.

```
osboxes@osboxes:~$ cat >> new2.txt
Takari
Tal - Walwa
Dist - Sangli
415 313
```

ii. reopen the same file and check your name and address in it.

```
osboxes@osboxes:~$ cat new2.txt
Vinay Patil
Takari
Tal - Walwa
Dist - Sangli
415 313
osboxes@osboxes:~$
```

6. how to change the time stamp of file (man touch)

```
osboxes@osboxes:~/Desktop$ touch new.txt
osboxes@osboxes:~/Desktop$ ls -lt
total 8
-rw-rw-r-- 1 osboxes osboxes 74 Oct  8 09:23 new.txt
drwxrwxr-x 2 osboxes osboxes 4096 Oct  8 08:32 os
```

7. Create directory structure:

Give following commands,

-> **mkdir one**

-> **cd one**

-> **touch 1.txt 11.txt 111.txt**

-> **mkdir two**

-> **cd two**

-> **touch 2.txt 22.txt 222.txt**

-> **mkdir three**

-> **cd three**

-> **touch 3.txt 33.txt 333.txt**

-> **mkdir four**

-> **cd four**

-> **touch 4.txt 44.txt 444.txt**

-> **mkdir five**

-> **cd five**

-> **touch 5.txt 55.txt 555.txt**

-> **cd ~ (i.e. go to your home directory)**

```
osboxes@osboxes:~/Desktop$ mkdir one
osboxes@osboxes:~/Desktop$ cd one
osboxes@osboxes:~/Desktop/one$ touch 1.txt 11.txt 111.txt
osboxes@osboxes:~/Desktop/one$ mkdir two
osboxes@osboxes:~/Desktop/one$ cd two
osboxes@osboxes:~/Desktop/one/two$ touch 2.txt 22.txt 222.txt
osboxes@osboxes:~/Desktop/one/two$ mkdir three
osboxes@osboxes:~/Desktop/one/two$ cd three
osboxes@osboxes:~/Desktop/one/two/three$ touch 3.txt 33.txt 333.txt
osboxes@osboxes:~/Desktop/one/two/three$ mkdir four
osboxes@osboxes:~/Desktop/one/two/three$ cd four
osboxes@osboxes:~/Desktop/one/two/three/four$ touch 4.txt 44.txt 444.txt
osboxes@osboxes:~/Desktop/one/two/three/four$ mkdir five
osboxes@osboxes:~/Desktop/one/two/three/four$ cd five
osboxes@osboxes:~/Desktop/one/two/three/four/five$ touch 5.txt 55.txt 555.tx
t
osboxes@osboxes:~/Desktop/one/two/three/four/five$ cd ~
osboxes@osboxes:~$ |
```

44.txt

```
osboxes@osboxes:~$ cat > 44.txt  
Vinay Patil
```

```
osboxes@osboxes:~/Desktop/one/two/three/four$ cd -  
/home/osboxes/Desktop/one/two/three/four/five  
osboxes@osboxes:~/Desktop/one/two/three/four/five$ rm 555.txt  
osboxes@osboxes:~/Desktop/one/two/three/four/five$ ls  
55.txt  5.txt  
osboxes@osboxes:~/Desktop/one/two/three/four/five$ |
```

```
osboxes@osboxes:~/Desktop/one/two/three/four/five$ cd ../../  
osboxes@osboxes:~/Desktop/one/two/three$ cat >> 3.txt  
PG-DAC  
osboxes@osboxes:~/Desktop/one/two/three$ cat 3.txt  
PG-DAC  
osboxes@osboxes:~/Desktop/one/two/three$ |
```

```
osboxes@osboxes:~/Desktop/one/two/three$ cd ..  
osboxes@osboxes:~/Desktop/one/two$ ls  
222.txt  22.txt  2.txt  three  
osboxes@osboxes:~/Desktop/one/two$ |
```

```
osboxes@osboxes:~/Desktop/one/two$ rm 222.txt  
osboxes@osboxes:~/Desktop/one/two$ ls  
22.txt  2.txt  three  
osboxes@osboxes:~/Desktop/one/two$ |
```



```
bash: cd: one: no such file or directory
osboxes@osboxes:~/one/two/three/four$ cd ~/one
osboxes@osboxes:~/one$ |
```

```
osboxes@osboxes:~/Desktop/one/two$ cd ..
osboxes@osboxes:~/Desktop/one$ |
```

```
osboxes@osboxes:~/Desktop/one/two$ cd three
osboxes@osboxes:~/Desktop/one/two/three$ cd four
osboxes@osboxes:~/Desktop/one/two/three/four$ cd five
osboxes@osboxes:~/Desktop/one/two/three/four/five$ ls
55.txt  5.txt
osboxes@osboxes:~/Desktop/one/two/three/four/five$ rm 55.txt 5.txt
osboxes@osboxes:~/Desktop/one/two/three/four/five$ ls
osboxes@osboxes:~/Desktop/one/two/three/four/five$ ls
osboxes@osboxes:~/Desktop/one/two/three/four/five$ |
```

```
osboxes@osboxes:~/Desktop/one$ rm -rf five
```

```
osboxes@osboxes:~/Desktop/one$ rm -r two/three/four
osboxes@osboxes:~/Desktop/one$ ls two/three/
333.txt  33.txt  3.txt
osboxes@osboxes:~/Desktop/one$ cd ~
osboxes@osboxes:~$ |
```

8. Considering above directory structure, do following operations:

- i. list the directory contents of directory named "five" from current directory (i.e. home directory).

```
osboxes@osboxes:~/Desktop$ cd one/two/three
osboxes@osboxes:~/Desktop/one/two/three$ ls -t
3.txt  333.txt  33.txt
osboxes@osboxes:~/Desktop/one/two/three$ ls -t 3.txt
3.txt
osboxes@osboxes:~/Desktop/one/two/three$ ls -lt
total 4
-rw-rw-r-- 1 osboxes osboxes 7 Oct  8 09:47 3.txt
-rw-rw-r-- 1 osboxes osboxes 0 Oct  8 09:34 333.txt
-rw-rw-r-- 1 osboxes osboxes 0 Oct  8 09:34 33.txt
osboxes@osboxes:~/Desktop/one/two/three$ |
```