

Assignment 2

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

```
sunbeam@D1-92594-taha:~/Desktop/SDM/Assignments$ cd ~
sunbeam@D1-92594-taha:~$ man ls
sunbeam@D1-92594-taha:~$ ls -t
snap Desktop Documents Downloads Music Pictures Public Templates Videos
sunbeam@D1-92594-taha:~$ █
```

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

```
sunbeam@D1-92594-taha:~$ ls -S
Desktop Documents Downloads Music Pictures Public snap Templates Videos
sunbeam@D1-92594-taha:~$ █
```

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

```
sunbeam@D1-92594-taha:~$ ls -i
262178 Desktop 262182 Documents 262179 Downloads 262183 Music 262184 Pictures 262181 Public 262155 snap 262180 Templates 262185
sunbeam@D1-92594-taha:~$ █
```

4. List the contents of the subdirectory.

```
sunbeam@D1-92594-taha:~$ ls
Desktop Documents Downloads Music Pictures Public snap Templates Videos
sunbeam@D1-92594-taha:~$ █
```

5. Create a file, write your surname and name in it and save.
- now open the same file and add your address in it and save.
 - reopen the same file and check your name and address in it.

```
sunbeam@D1-92594-taha:~$ ls
Desktop Documents Downloads Music Pictures Public snap Templates Videos
sunbeam@D1-92594-taha:~$ cd Desktop
sunbeam@D1-92594-taha:~/Desktop$ cat > que5.txt
Name: Mohammad Taha
Surname: Ansari
sunbeam@D1-92594-taha:~/Desktop$ cat >> que5.txt
Address: Hinjewadi Phase 2, Pune
sunbeam@D1-92594-taha:~/Desktop$ cat que5.txt
Name: Mohammad Taha
Surname: Ansari
Address: Hinjewadi Phase 2, Pune
sunbeam@D1-92594-taha:~/Desktop$
```

6. how to change the time stamp of file

```
sunbeam@D1-92594-taha:~/Desktop$ touch que5.txt
sunbeam@D1-92594-taha:~/Desktop$
```

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)
```

```
sunbeam@D1-92594-taha:~/Desktop$ mkdir one
sunbeam@D1-92594-taha:~/Desktop$ cd one
sunbeam@D1-92594-taha:~/Desktop/one$ touch 1.txt 11.txt 111.txt
sunbeam@D1-92594-taha:~/Desktop/one$ mkdir two
sunbeam@D1-92594-taha:~/Desktop/one$ cd two
sunbeam@D1-92594-taha:~/Desktop/one/two$ touch 2.txt 22.txt 222.txt
sunbeam@D1-92594-taha:~/Desktop/one/two$ cd three
bash: cd: three: No such file or directory
sunbeam@D1-92594-taha:~/Desktop/one/two$ mkdir three
sunbeam@D1-92594-taha:~/Desktop/one/two$ cd three
sunbeam@D1-92594-taha:~/Desktop/one/two/three$ touch 3.txt 33.txt 333.txt
sunbeam@D1-92594-taha:~/Desktop/one/two/three$ mkdir four
sunbeam@D1-92594-taha:~/Desktop/one/two/three$ cd four
sunbeam@D1-92594-taha:~/Desktop/one/two/three/four$ touch 4.txt 44.txt 444.txt
sunbeam@D1-92594-taha:~/Desktop/one/two/three/four$ mkdir five
sunbeam@D1-92594-taha:~/Desktop/one/two/three/four$ cd five
sunbeam@D1-92594-taha:~/Desktop/one/two/three/four/five$ touch 5.txt 55.txt 555.txt
sunbeam@D1-92594-taha:~/Desktop/one/two/three/four/five$ cd ~
```

8. Considering above directory structure , Do following operations :

- i. list the directory contents of directory named "five" from current directory (i.e. home directory).
- ii. write your name in a file named "44.txt" of directory "four" from current directory.
- iii. remove the file named "555.txt" from directory "five" from current directory.
- iv. change directory to five one/two/three/four/five/).
(i.e. cd
- v. write your course name in file named "3.txt" which resides in directory "three" from current directory (i.e. five).also read the same file.
- vi. list the contents of directory "two" from current directory (i.e. five).
- vii. remove file named "222.txt" which belongs to directory "two" from current directory (i.e. five)
- viii. now change the directory to "one"
- ix. remove all files only from directory named "five" from current directory (i.e. one)
- x. remove directory named "five" from current directory (i.e. one)
- xi. remove whole directory named "four" from current directory (i.e. one)
- xii. change to your home directory.

```
sunbeam@D1-92594-taha:~$ ls Desktop/one/two/three/four/five  
555.txt 55.txt 5.txt  
sunbeam@D1-92594-taha:~$ cat > Desktop/one/two/three/four/44.txt  
Name: Mohammad Taha  
sunbeam@D1-92594-taha:~$ rm Desktop/one/two/three/four/five/555.txt  
sunbeam@D1-92594-taha:~$ cd Desktop/one/two/three/four/five/  
sunbeam@D1-92594-taha:~/Desktop/one/two/three/four/five$ cat > ../../3.txt  
Course Name: DAC  
sunbeam@D1-92594-taha:~/Desktop/one/two/three/four/five$ ls ../../..  
222.txt 22.txt 2.txt three  
sunbeam@D1-92594-taha:~/Desktop/one/two/three/four/five$ rm ../../..//222.txt  
sunbeam@D1-92594-taha:~/Desktop/one/two/three/four/five$ cd ../../..//  
sunbeam@D1-92594-taha:~/Desktop/one$ rm two/three/four/five/5.txt  
sunbeam@D1-92594-taha:~/Desktop/one$ rm two/three/four/five/55.txt  
sunbeam@D1-92594-taha:~/Desktop/one$ rm two/three/four/five/555.txt  
sunbeam@D1-92594-taha:~/Desktop/one$ rm -r two/three/four  
sunbeam@D1-92594-taha:~/Desktop/one$ cd ~  
sunbeam@D1-92594-taha:~$
```

9. change the time stamp of file named "3.txt" which resides in directory named "three". (man touch)

```
sunbeam@D1-92594-taha:~$ touch Desktop/one/two/three/3.txt  
sunbeam@D1-92594-taha:~$
```