84015

1.inode no.

```
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop$ ls -l -i
total 2724
3314833 -rw-rw-r-- 1 prasad prasad  240087 Mar 20 15:39 'Assignment 5.pdf'
3313855 -rw-rw-r-- 1 prasad prasad  144780 Mar 21 23:47 'ASSIGNMENT 9.odt'
3845434 drwxrwxr-x 4 prasad prasad    4096 Apr 18 18:27 'Back End'
3933832 drwxrwxr-x 4 prasad prasad    4096 Apr 19 12:22  backup
3308023 drwxrwxr-x 3 prasad prasad    4096 Apr 11 15:36  bootstrap_inone_vid
3282986 drwxrwxr-x 3 prasad prasad    4096 Mar  6 20:06  CppAssignments
3277934 drwxrwxr-x 3 prasad prasad    4096 Mar  6 19:34 'Cpp Codes'
3281326 drwxrwxr-x 7 prasad prasad    4096 May 31 17:29  DAC_CPP
3935092 drwxrwxr-x 6 prasad prasad    4096 Apr 19 12:10  frontend
3314228 drwxrwxr-x 6 prasad prasad    4096 May 31 17:38 'GIT UPLOADS'
```

2.sorted date wise

```
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop$ ls -l -s
total 2724
 236 -rw-rw-r-- 1 prasad prasad  240087 Mar 20 15:39 'Assignment 5.pdf'
 144 -rw-rw-r-- 1 prasad prasad  144780 Mar 21 23:47 'ASSIGNMENT 9.odt'
   4 drwxrwxr-x 4 prasad prasad    4096 Apr 18 18:27 'Back End'
   4 drwxrwxr-x 4 prasad prasad    4096 Apr 19 12:22  backup
   4 drwxrwxr-x 3 prasad prasad    4096 Apr 11 15:36  bootstrap_inone_video
   4 drwxrwxr-x 3 prasad prasad    4096 Mar  6 20:06  CppAssignments
   4 drwxrwxr-x 3 prasad prasad    4096 Mar  6 19:34 'Cpp Codes'
   4 drwxrwxr-x 7 prasad prasad    4096 May 31 17:29  DAC_CPP
   4 drwxrwxr-x 6 prasad prasad    4096 Apr 19 12:10  frontend
   4 drwxrwxr-x 6 prasad prasad    4096 May 31 17:38 'GIT UPLOADS'
 448 -rw-rw-r-- 1 prasad prasad  457311 Mar 30 12:42  mng.odt
   8 -rw-rw-r-- 1 prasad prasad    6211 Mar 15 23:01  mock.cpp
   4 drwxrwxr-x 2 prasad prasad    4096 Mar 29 21:48 'Mongodb Assignment'
   4 drwxrwxr-x 2 prasad prasad    4096 May 31 20:33 'New Folder'
   4 drwxrwxr-x 3 prasad prasad    4096 Apr 20 12:43 'New Folder 1'
1556 -rw-rw-r-- 1 prasad prasad 1591282 May 31 20:37  OS1.odt
   4 drwxrwxr-x 4 prasad prasad    4096 May 31 23:56  Ospractice
   4 -rw-rw-r-- 1 prasad prasad     284 Mar 30 11:58  Paper
   4 -rw-rw-r-- 1 prasad prasad    3808 Mar 30 16:04  pllllllllllll
   4 -rw-rw-r-- 1 prasad prasad     777 Mar 28 17:47  ppppppppppppppppppppppp
   8 -rw-rw-r-- 1 prasad prasad    6944 Mar 14 23:29  Que1.cpp
   8 -rw-rw-r-- 1 prasad prasad    4446 Mar 15 14:34 'student searchsort.cpp
   4 -rw-rw-r-- 1 prasad prasad    1826 Apr 19 15:02  token.txt
 252 -rw-rw-r-- 1 prasad prasad  256946 Mar 20 17:46 'Untitled 1.odt'
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop$
```

3.sort size wise

```
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop$ ls -r -l -t
total 2724
drwxrwxr-x 3 prasad prasad      4096 Mar  6 19:34 'Cpp Codes'
drwxrwxr-x 3 prasad prasad      4096 Mar  6 20:06  CppAssignments
-rw-rw-r-- 1 prasad prasad      6944 Mar 14 23:29  Que1.cpp
-rw-rw-r-- 1 prasad prasad      4446 Mar 15 14:34 'student searchsort.cpp'
-rw-rw-r-- 1 prasad prasad      6211 Mar 15 23:01  mock.cpp
-rw-rw-r-- 1 prasad prasad    240087 Mar 20 15:39 'Assignment 5.pdf'
-rw-rw-r-- 1 prasad prasad    256946 Mar 20 17:46 'Untitled 1.odt'
-rw-rw-r-- 1 prasad prasad    144780 Mar 21 23:47 'ASSIGNMENT 9.odt'
-rw-rw-r-- 1 prasad prasad       777 Mar 28 17:47  pppppppppppppppppppppppppp
drwxrwxr-x 2 prasad prasad      4096 Mar 29 21:48 'Mongodb Assignment'
-rw-rw-r-- 1 prasad prasad       284 Mar 30 11:58  Paper
-rw-rw-r-- 1 prasad prasad    457311 Mar 30 12:42  mng.odt
-rw-rw-r-- 1 prasad prasad      3808 Mar 30 16:04  pllllllllll
drwxrwxr-x 3 prasad prasad      4096 Apr 11 15:36  bootstrap_inone_video
drwxrwxr-x 4 prasad prasad      4096 Apr 18 18:27 'Back End'
drwxrwxr-x 6 prasad prasad      4096 Apr 19 12:10  frontend
drwxrwxr-x 4 prasad prasad      4096 Apr 19 12:22  backup
-rw-rw-r-- 1 prasad prasad      1826 Apr 19 15:02  token.txt
drwxrwxr-x 3 prasad prasad      4096 Apr 20 12:43 'New Folder 1'
drwxrwxr-x 7 prasad prasad      4096 May 31 17:29  DAC_CPP
drwxrwxr-x 6 prasad prasad      4096 May 31 17:38 'GIT UPLOADS'
drwxrwxr-x 2 prasad prasad      4096 May 31 20:33 'New Folder'
-rw-rw-r-- 1 prasad prasad   1591282 May 31 20:37  OS1.odt
drwxrwxr-x 4 prasad prasad      4096 May 31 23:56  Ospractice
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop$
```

4.content of subdirectory

```
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$ ls -R
.:
cdac.txt  css.txt  day1.c  dhanu  monu

./dhanu:
movies  o1.txt

./dhanu/movies:

./monu:
dhanu  o1.txt

./monu/dhanu:
o1.txt
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$
```

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

```
01.txt
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$ cat > name_surname.txt
nikam
prasadprasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$ cat name_surname.
txt
nikam
prasadprasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$ cat >>
```

```
cat: Mahuli: No such file or directory
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$ cat >> name_surname.txt
mahuli
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$ cat name_surname.txt
nikam
prasadmahuli
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$
```

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

```
drwxrwxr-x 3 prasad prasad 4096 May 31 18:47 dhanu
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$ touch day1.c
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice$ ls -l -t
total 24
-rw-rw-r-- 1 prasad prasad    73 Jun  2 20:37 day1.c
-rw-rw-r-- 1 prasad prasad    19 Jun  2 20:33 name_surname.txt
-rw-rw-r-- 1 prasad prasad    52 May 31 19:21 css.txt
```

7.Create directory structure :

```
name_surname.txt
    one
    ├── 111.txt
    ├── 11.txt
    ├── 1.txt
    └── two
        ├── 222.txt
        ├── 22.txt
        ├── 2.txt
        └── three
            ├── 333.txt
            ├── 33.txt
            ├── 3.txt
            └── four
                ├── 444.txt
                ├── 44.txt
                ├── 4.txt
                └── five
                    ├── 555.txt
                    ├── 55.txt
                    └── 5.txt
```

8.Considering above directory structure

```
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$ ls two/three/four/f
ive/
555.txt   55.txt   5.txt
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$
```

```
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~$ cat > Desktop/Ospractice/one/two/three/fou
r/44.txt
prasad
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~$
```

```
r/44.txt
prasad
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~$ rm Desktop/Ospractice/one/two/three/four/f
ive/555.txt
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~$ cd Desktop/Ospractice/One
```

```
4 directories, 14 files
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$ cd two/three/four/f
ive/
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one/two/three/four/five$
```

```
0 directories, 2 files
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one/two/three/four/five$
 cat > ../../3.txt
Cdac-Dac
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one/two/three/four/five$
 cat ../../3.txt
Cdac-Dac
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one/two/three/four/five$
```

```
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one/two/three/four/five$
 ls ../../../
222.txt   22.txt   2.txt   three
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one/two/three/four/five$
```

```
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one/two/three/four/five$
 rm ../../../222.txt
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one/two/three/four/five$
 cd ../../../../
```

```
4 directories, 13 files
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$ rm two/three/four/f
ive/*
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$ tree
```

```
4 directories, 11 files
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$ rmdir two/three/fou
r/five/
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$ tree
```

```
3 directories, 11 files
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$ rm -R  two/three/fo
ur/
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$ tree
```

```
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~/Desktop/Ospractice/one$ cd
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~$ touch Desktop/Ospractice/one/two/three/3.t
xt
prasad@prasad-OMEN-by-HP-Laptop-16-b1xxx:~$
```