

```
rohit@rohit-Inspiron-15-3567:~$ ls
cpp Desktop Documents Downloads Music Pictures Public snap Templates Videos
rohit@rohit-Inspiron-15-3567:~$ ls -F
cpp/ Desktop/ Documents/ Downloads/ Music/ Pictures/ Public/ snap/ Templates/ Videos/
rohit@rohit-Inspiron-15-3567:~$ ls -l
total 40
drwxrwxr-x  2 rohit rohit 4096 Nov  6 13:40 cpp
drwxr-xr-x  2 rohit rohit 4096 Nov  2 03:06 Desktop
drwxr-xr-x 11 rohit rohit 4096 Jan 17 02:15 Documents
drwxr-xr-x  9 rohit rohit 4096 Jan 21 18:09 Downloads
drwxr-xr-x  3 rohit rohit 4096 Dec 17 14:06 Music
drwxr-xr-x  3 rohit rohit 4096 Nov 15 05:30 Pictures
drwxr-xr-x  2 rohit rohit 4096 Nov  2 03:06 Public
drwx----- 6 rohit rohit 4096 Dec  8 20:40 snap
drwxr-xr-x  2 rohit rohit 4096 Nov  2 03:06 Templates
drwxr-xr-x  2 rohit rohit 4096 Nov  2 03:06 Videos
rohit@rohit-Inspiron-15-3567:~$ ls -a
.          .bash_logout  .config  Documents  .gitconfig  .lessht  Music  .profile  .ssh  .thunderbird  .viminfo
..         .bashrc      cpp      Downloads  .gitignore  .local   Pictures  Public  .sudo_as_admin_successful  Videos
.bash_history .cache      Desktop  .git       .gnupg      .mozilla .pki     snap   Templates  .vim
rohit@rohit-Inspiron-15-3567:~$ ls *[0-9]*
ls: cannot access '[0-9]*': No such file or directory
rohit@rohit-Inspiron-15-3567:~$ ltree
Command 'ltree' not found, did you mean:
  command 'lntree' from snap lntree (0.1.1)
  command 'ostree' from deb ostree (2022.2-3)
  command 'pmtree' from deb psmisc (23.4-2build3)
See 'snap info <snapname>' for additional versions.
rohit@rohit-Inspiron-15-3567:~$ cd Downloads/
rohit@rohit-Inspiron-15-3567:~/Downloads$ ltree
Command 'ltree' not found, did you mean:
  command 'lntree' from snap lntree (0.1.1)
  command 'ostree' from deb ostree (2022.2-3)
  command 'pmtree' from deb psmisc (23.4-2build3)
See 'snap info <snapname>' for additional versions.
rohit@rohit-Inspiron-15-3567:~/Downloads$
```




See 'snap info <snapname>' for additional versions.

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ mkdir dir1
```

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ mkdir dir1 dir2
```

mkdir: cannot create directory 'dir1': File exists

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ mkdir -p /tmp/dir1/dir2
```

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ mv dir/file /new_path
```

mv: cannot stat 'dir/file': No such file or directory

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ pwd
```

/home/rohit/Downloads

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ rm -f file1
```

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ rm -rf dir1
```

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ rm -rf dir1 dir2
```

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ rmdir dir1
```

rmdir: failed to remove 'dir1': No such file or directory

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ touch -t 0712250000 file1
```

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ tree
```

Command 'tree' not found, but can be installed with:

sudo snap install tree # version 1.8.0+pkg-3fd6, or

sudo apt install tree # version 2.0.2-1

See 'snap info tree' for additional versions.

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ sudo apt install tree
```

[sudo] password for rohit:

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi i965-va-driver intel-media-va-driver libaacs0 libass9 libavcodec58 libavformat58 libavutil56
libbdplus0 libblas3 libbluray2 libbs2b0 libchromaprint1 libcodec2-1.0 libflashrom1 libflite1 libftdi1-2 libgme0 libgsm1
libgstreamer-plugins-bad1.0-0 libigdgmm12 liblilv-0-0 libmfx1 libmysofa1 libnorm1 libopenmpt0 libpgm-5.3-0 libpostproc55 librabbitmq4
librubberband2 libserd-0-0 libshine3 libsnappy1v5 libsord-0-0 libsratom-0-0 libsrt1.4-gnutls libssh-gcrypt-4 libswresample3 libswscale5
libudfread0 libva-drm2 libva-wayland2 libva-x11-2 libva2 libvdpau1 libvidstab1.1 libxvidcore4 libzimg2 libzmq5 libzvbi-common libzvbi0
mesa-va-drivers mesa-va-drivers mesa-vdpau-drivers pocketsphinx-en-us va-driver-all vdpau-driver-all

Use 'sudo apt autoremove' to remove them.

The following NEW packages will be installed:

tree

0 upgraded, 1 newly installed, 0 to remove and 3 not upgraded.

Need to get 47.9 kB of archives.

After this operation, 116 kB of additional disk space will be used.

Get:1 <http://in.archive.ubuntu.com/ubuntu/iammy/universe amd64 tree amd64 2.0.2-1> [47.9 kB]

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ tree
```

```
├── 112103152_Rohit Torkad_div-2.zip
├── 2d arrays
├── Ass4
│   ├── 112103152_Rohit Torkad_DIV-2_Ass-2.zip
│   ├── a.out
│   ├── main.c
│   ├── Search.c
│   ├── Search.h
│   ├── Search.h.gch
│   ├── sort.c
│   └── sort.h
├── Ass4.c.zip
├── assignment1.zip
├── Assignment2
│   ├── 11203152_Rohit Torkad_Div-2.zip
│   ├── que1a.c
│   ├── que1b.c
│   ├── que2.c
│   ├── que3.c
│   ├── que4.c
│   ├── que5.c
│   ├── que6a.c
│   ├── que6b.c
│   ├── que6c.c
│   ├── que8.c
│   └── que9.c
├── Assignment2.zip
├── Assignment3
│   ├── 112103152_Rohit Torkad_div-2.zip
│   ├── a.out
│   ├── que1.c
│   ├── que2.c
│   ├── que3.c
│   └── que4.c
├── Assignment4-5
└── A4.c
```




- que4.c
- Assignment4-5
 - A4.c
 - a.out
 - binarySearch.h
 - bubbleSort.h
 - insertionSort.h
 - linearSearch.h
 - selectionSort.h
- Assignment4-5.zip
- Assignment 7.pdf
- Assignment 8.pdf
- Assignment 9.pdf
- control.tar.xz
- data.tar.xz
- debian-binary
- DSGT
 - DSGT Syllabus.docx
 - Relations_part1_Tutorial.pdf
 - RYS_DSGT_Relations_part1.pdf
 - RYS_partialOrder_DSGT.pdf
 - Solving Recurrence Relations.pdf
 - Tutorial 1_DSGT.pdf
 - Tutorial 1_DSGT_solution.pdf
 - Tutorial 2_part 1_AY22-23 (1).pdf
 - Tutorial 2_part 1_AY22-23.pdf
 - Tutorial2_part2.pdf
 - Tutorial 3_2022-23.pdf
- DSGT.zip
- Euler Cauchy Homogeneous LDE.pdf
- file1
- GitHubDesktop-linux-3.1.1-linux1.deb
- google-chrome-stable_current_amd64.deb
- Lab Assignment 1.pdf
- Lab Assignment 2 (1).pdf
- Lab Assignment 2.pdf
- Lab Assignment 3.pdf
- Lab Assignment 4, 5.pdf
- Lab Assianment 6.pdf



- Euler Cauchy Homogeneous LDE.pdf
- file1
- **GitHubDesktop-linux-3.1.1-linux1.deb**
- **google-chrome-stable_current_amd64.deb**
- Lab Assignment 1.pdf
- Lab Assignment 2 (1).pdf
- Lab Assignment 2.pdf
- Lab Assignment 3.pdf
- Lab Assignment 4, 5.pdf
- Lab Assignment 6.pdf
- linux commands_for execution.docx
- ODE_2.0.pdf
- ode lec 11.pdf
- **pps**
 - a-hi.i
 - a-hi.o
 - a-hi.s
 - **a.out**
 - hi.c
- **Rohit Torkad_112103152_Assignment1**
 - **que1.c**
 - **a.out**
 - size_variable.c
 - **que2.c**
 - **a.out**
 - que2.c
 - **que3a.c**
 - **a.out**
 - que3a.c
 - **que3b.c**
 - **a.out**
 - que3b.c
 - **que4.c**
 - **a.out**
 - que4.c
 - **que5.c**
 - **a.out**
 - que5.c
 - **que6.c**



Screenshot captured

You can paste the image from the clipboard.



```
a-hi.o
a-hi.s
a.out
hi.c
Rohit_Torkad_112103152_Assignment1
  que1.c
    a.out
    size_variable.c
  que2.c
    a.out
    que2.c
  que3a.c
    a.out
    que3a.c
  que3b.c
    a.out
    que3b.c
  que4.c
    a.out
    que4.c
  que5.c
    a.out
    que5.c
  que6.c
    a.out
    que6.c
  que7.c
    a.out
    que7.c
Shell Script_for lecture and lab.pdf
sparse_matrix.zip
syllabus-sy-revision-19-23-updated-1jul20_0.pdf
texstudio_4.3.1-1+1.1_amd64.deb
WhatsApp Image 2023-01-09 at 11.45.27 PM (1).jpeg
WhatsApp Image 2023-01-09 at 11.45.27 PM.jpeg
```

15 directories, 97 files

rohit@rohit-Inspiron-15-3567:~/Downloads\$


```
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -name "File1"
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -iname "File"
rohit@rohit-Inspiron-15-3567:~/Downloads$ find /path -type f -name "*.conf"
find: '/path': No such file or directory
rohit@rohit-Inspiron-15-3567:~/Downloads$ find /path -size 50c
find: '/path': No such file or directory
rohit@rohit-Inspiron-15-3567:~/Downloads$ ls
'112103152_Rohit Torkad_div-2.zip'  control.tar.xz      'Lab Assignment 4, 5.pdf'
'2d arrays'                        data.tar.xz         'Lab Assignment 6.pdf'
Ass4                               debian-binary       'linux commands_for execution.docx'
Ass4.c.zip                        DSGT               ODE_2.0.pdf
assignment1.zip                   DSGT.zip           'ode lec 11.pdf'
Assignment2                       'Euler Cauchy Homogeneous LDE.pdf'
Assignment2.zip                   file1              pps
Assignment3                       GitHubDesktop-linux-3.1.1-linux1.deb
Assignment4-5                     google-chrome-stable_current_amd64.deb
Assignment4-5.zip                 'Lab Assignment 1.pdf'
'Assignment 7.pdf'                'Lab Assignment 2 (1).pdf'
'Assignment 8.pdf'                'Lab Assignment 2.pdf'
'Assignment 9.pdf'                'Lab Assignment 3.pdf'
rohit@rohit-Inspiron-15-3567:~/Downloads$ find /DSGT -size 50c
find: '/DSGT': No such file or directory
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -size 50c
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -size -50c
./file1
./debian-binary
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -size +700M
rohit@rohit-Inspiron-15-3567:~/Downloads$ find / -size +700M
find: '/etc/cups/ssl': Permission denied
find: '/etc/ssl/private': Permission denied
find: '/etc/polkit-1/localauthority': Permission denied
find: '/proc/tty/driver': Permission denied
/proc/kcore
find: '/proc/1/task/1/fd': Permission denied
find: '/proc/1/task/1/fdinfo': Permission denied
find: '/proc/1/task/1/ns': Permission denied
find: '/proc/1/fd': Permission denied
find: '/proc/1/map_files': Permission denied
```



```
rohit@rohit-Inspiron-15-3567:~$ cd Downloads/  
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -atime -1
```

```
..  
./~lock.linux_commands_for_execution.docx#  
./Rohit Torkad_112103152_Assignment1  
./Rohit Torkad_112103152_Assignment1/que1.c  
./Rohit Torkad_112103152_Assignment1/que6.c  
./Rohit Torkad_112103152_Assignment1/que3a.c  
./Rohit Torkad_112103152_Assignment1/que7.c  
./Rohit Torkad_112103152_Assignment1/que2.c  
./Rohit Torkad_112103152_Assignment1/que4.c  
./Rohit Torkad_112103152_Assignment1/que5.c  
./Rohit Torkad_112103152_Assignment1/que3b.c  
./Assignment2  
./Assignment3  
./pps  
./Shell Script_for lecture and lab.pdf  
./Assignment4-5  
./DSGT  
./linux_commands_for_execution.docx  
./Ass4
```

```
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -ctime +3  
./Lab Assignment 2 (1).pdf  
./GitHubDesktop-linux-3.1.1-linux1.deb  
./control.tar.xz  
./sparse_matrix.zip  
./Assignment 9.pdf  
./112103152_Rohit Torkad_div-2.zip  
./Rohit Torkad_112103152_Assignment1  
./Rohit Torkad_112103152_Assignment1/que1.c  
./Rohit Torkad_112103152_Assignment1/que1.c/a.out  
./Rohit Torkad_112103152_Assignment1/que1.c/size_variable.c  
./Rohit Torkad_112103152_Assignment1/que6.c  
./Rohit Torkad_112103152_Assignment1/que6.c/a.out  
./Rohit Torkad_112103152_Assignment1/que6.c/que6.c  
./Rohit Torkad_112103152_Assignment1/que3a.c  
./Rohit Torkad_112103152_Assignment1/que3a.c/a.out  
./Rohit Torkad_112103152_Assignment1/que3a.c/que3a.c  
./Rohit Torkad_112103152_Assignment1/que7.c
```



```
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -mmin -1
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -perm 644
./control.tar.xz
./data.tar.xz
./debian-binary
rohit@rohit-Inspiron-15-3567:~/Downloads$ find -perm -644
.
./..~lock.linux_commands_for_execution.docx#
./Lab Assignment 2 (1).pdf
./GitHubDesktop-linux-3.1.1-linux1.deb
./control.tar.xz
./sparse_matrix.zip
./Assignment 9.pdf
./112103152_Rohit Torkad_div-2.zip
./Rohit Torkad_112103152_Assignment1
./Rohit Torkad_112103152_Assignment1/que1.c
./Rohit Torkad_112103152_Assignment1/que1.c/a.out
./Rohit Torkad_112103152_Assignment1/que1.c/size_variable.c
./Rohit Torkad_112103152_Assignment1/que6.c
./Rohit Torkad_112103152_Assignment1/que6.c/a.out
./Rohit Torkad_112103152_Assignment1/que6.c/que6.c
./Rohit Torkad_112103152_Assignment1/que3a.c
./Rohit Torkad_112103152_Assignment1/que3a.c/a.out
./Rohit Torkad_112103152_Assignment1/que3a.c/que3a.c
./Rohit Torkad_112103152_Assignment1/que7.c
./Rohit Torkad_112103152_Assignment1/que7.c/a.out
./Rohit Torkad_112103152_Assignment1/que7.c/que7.c
./Rohit Torkad_112103152_Assignment1/que2.c
./Rohit Torkad_112103152_Assignment1/que2.c/a.out
./Rohit Torkad_112103152_Assignment1/que2.c/que2.c
./Rohit Torkad_112103152_Assignment1/que4.c
./Rohit Torkad_112103152_Assignment1/que4.c/a.out
./Rohit Torkad_112103152_Assignment1/que4.c/que4.c
./Rohit Torkad_112103152_Assignment1/que5.c
./Rohit Torkad_112103152_Assignment1/que5.c/a.out
./Rohit Torkad_112103152_Assignment1/que5.c/que5.c
./Rohit Torkad_112103152_Assignment1/que3b.c
./Rohit Torkad_112103152_Assignment1/que3b.c/a.out
```

```
rohit@rohit-Inspiron-15-3567:~$ cd Downloads/
rohit@rohit-Inspiron-15-3567:~/Downloads$ wc --help
Usage: wc [OPTION]... [FILE]...
  or:  wc [OPTION]... --files0-from=F
Print newline, word, and byte counts for each FILE, and a total line if
more than one FILE is specified.  A word is a non-zero-length sequence of
characters delimited by white space.

With no FILE, or when FILE is -, read standard input.

The options below may be used to select which counts are printed, always in
the following order: newline, word, character, byte, maximum line length.
  -c, --bytes          print the byte counts
  -m, --chars          print the character counts
  -l, --lines          print the newline counts
      --files0-from=F  read input from the files specified by
                        NUL-terminated names in file F;
                        If F is - then read names from standard input
  -L, --max-line-length print the maximum display width
  -w, --words          print the word counts
      --help          display this help and exit
      --version       output version information and exit

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Full documentation <https://www.gnu.org/software/coreutils/wc>
or available locally via: info '(coreutils) wc invocation'
rohit@rohit-Inspiron-15-3567:~/Downloads$ wc -l Lab\ Assignment\ 1.pdf
208 Lab Assignment 1.pdf
rohit@rohit-Inspiron-15-3567:~/Downloads$ wc -w Lab\ Assignment\ 1.pdf
681 Lab Assignment 1.pdf
rohit@rohit-Inspiron-15-3567:~/Downloads$ wc -c Lab\ Assignment\ 1.pdf
10484 Lab Assignment 1.pdf
rohit@rohit-Inspiron-15-3567:~/Downloads$ wc -m Lab\ Assignment\ 1.pdf
9126 Lab Assignment 1.pdf
rohit@rohit-Inspiron-15-3567:~/Downloads$ wc -L Lab\ Assignment\ 1.pdf
301 Lab Assignment 1.pdf
rohit@rohit-Inspiron-15-3567:~/Downloads$
```