PWD

```
ubuntu@ubuntu:~$ pwd
/home/ubuntu
```

DATE

```
ubuntu@ubuntu:~$ date ;cal ;pwd
Mon 17 Aug 2020 05:49:39 AM UTC
      August 2020
Su Mo Tu We Th Fr Sa
                   1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
/home/ubuntu
ubuntu@ubuntu:~$ date && cal && pwd
Mon 17 Aug 2020 05:58:49 AM UTC
      August 2020
Su Mo Tu We Th Fr Sa
                   1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
/home/ubuntu
ubuntu@ubuntu:~$ date ;
Mon 17 Aug 2020 05:59:21 AM UTC
```

```
ubuntu@ubuntu:~$ date ;
Mon 17 Aug 2020 06:00:02 AM UTC
ubuntu@ubuntu:~$ cal || date
      August 2020
Su Mo Tu We Th Fr Sa
                   1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
```

```
ubuntu@ubuntu:~$ date +%d%h%y
30Sep20
ubuntu@ubuntu:~$ date "+%d-%h-%y"
30-Sep-20
```

WHOAMI

```
ubuntu@ubuntu:~$ whoami
ubuntu
```

Who

```
ubuntu@ubuntu:~$ who
ubuntu    :0              2020-08-17 03:37 (:0)
```

time

```
ubuntu@ubuntu:~$ time

real    0m0.000s
user    0m0.000s
sys     0m0.000s
```

cat

```
ubuntu@ubuntu:~$ cat> file1
this is my first fileubuntu@ubuntu:~$
ubuntu@ubuntu:~$ cat file1
this is my first fileubuntu@ubuntu:~$
ubuntu@ubuntu:~$
ubuntu@ubuntu:~$ cat file1
this is my first fileubuntu@ubuntu:~$ this is my second file
this: command not found
ubuntu@ubuntu:~$ cat newfile----puchu
cat: newfile----puchu: No such file or directory
```

mkdir

```
ubuntu@ubuntu:~$ mkdir
mkdir: missing operand
Try 'mkdir --help' for more information.
ubuntu@ubuntu:~$ mkdir song
ubuntu@ubuntu:~$ ls
Desktop     Downloads   Music      Public   Templates
Documents   file1       Pictures   song     Videos
ubuntu@ubuntu:~$ mkdir alu
ubuntu@ubuntu:~$ ls
alu         Documents   file1   Pictures   song        Videos
Desktop     Downloads   Music   Public     Templates
ubuntu@ubuntu:~$ ls/alu
bash: ls/alu: No such file or directory
ubuntu@ubuntu:~$ mkdird1 d2 d3
mkdird1: command not found
ubuntu@ubuntu:~$ mkdir d2 d1 d3
```

```
ubuntu@ubuntu:~$ mkdir alu
ubuntu@ubuntu:~$ ls
alu         Documents   file1   Pictures   song        Videos
Desktop     Downloads   Music   Public     Templates
ubuntu@ubuntu:~$ ls/alu
bash: ls/alu: No such file or directory
ubuntu@ubuntu:~$ mkdird1 d2 d3
mkdird1: command not found
ubuntu@ubuntu:~$ mkdir d2 d1 d3
ubuntu@ubuntu:~$ ls
alu   d2   Desktop     Downloads   Music      Public   Templates
d1    d3   Documents   file1       Pictures   song     Videos
ubuntu@ubuntu:~$ mv alu d2
ubuntu@ubuntu:~$ ls
d1   d3       Documents   file1   Pictures   song        Videos
d2   Desktop  Downloads   Music   Public     Templates
```

ls

```
mkdird1: command not found
ubuntu@ubuntu:~$ mkdir d2 d1 d3
ubuntu@ubuntu:~$ ls
alu  d2  Desktop    Downloads  Music    Public     Templates
d1   d3  Documents  file1      Pictures song       Videos
ubuntu@ubuntu:~$ mv alu d2
ubuntu@ubuntu:~$ ls
d1  d3       Documents  file1  Pictures  song       Videos
d2  Desktop  Downloads  Music  Public    Templates
ubuntu@ubuntu:~$ mv d2
mv: missing destination file operand after 'd2'
Try 'mv --help' for more information.
ubuntu@ubuntu:~$ ls
d1  d3       Documents  file1  Pictures  song       Videos
d2  Desktop  Downloads  Music  Public    Templates
ubuntu@ubuntu:~$ mv song
mv: missing destination file operand after 'song'
Try 'mv --help' for more information.
ubuntu@ubuntu:~$ ls-al
ls-al: command not found
ubuntu@ubuntu:~$ man<history>
bash: syntax error near unexpected token `newline'
ubuntu@ubuntu:~$ touch f1.txt
ubuntu@ubuntu:~$ ls
d1  d3       Documents  f1.txt  Music     Public     Templates
d2  Desktop  Downloads  file1   Pictures  song       Videos
ubuntu@ubuntu:~$ stat file 11
stat: cannot stat 'file': No such file or directory
stat: cannot stat '11': No such file or directory
ubuntu@ubuntu:~$ touch file 11 file 13 file 12
ubuntu@ubuntu:~$ stat file 11
  File: file
  Size: 0          Blocks: 0          IO Block: 4096   regular empty file
```

```
drwxr-xr-x  2 ubuntu ubuntu   60 Aug 28 08:27 Desktop
drwxr-xr-x  2 ubuntu ubuntu   40 Aug 28 08:29 Documents
drwxr-xr-x  2 ubuntu ubuntu   40 Aug 28 08:29 Downloads
-rw-rw-r--  1 ubuntu ubuntu    0 Aug 28 09:06 f1.txt
-rw-rw-r--  1 ubuntu ubuntu    0 Aug 28 09:14 file
-rw-rw-r--  1 ubuntu ubuntu   21 Aug 28 08:56 file1
drwx------  3 ubuntu ubuntu  100 Aug 28 08:55 .gnupg
-rw-rw-r--  1 ubuntu ubuntu    0 Aug 28 09:15 list
drwx------  3 ubuntu ubuntu   60 Aug 28 08:27 .local
drwxr-xr-x  2 ubuntu ubuntu   40 Aug 28 08:29 Music
drwxr-xr-x  2 ubuntu ubuntu   40 Aug 28 08:29 Pictures
-rw-r--r--  1 ubuntu ubuntu  807 Aug 28 08:27 .profile
drwxr-xr-x  2 ubuntu ubuntu   40 Aug 28 08:29 Public
drwxrwxr-x  2 ubuntu ubuntu   40 Aug 28 09:02 song
drwx------  2 ubuntu ubuntu   40 Aug 28 08:31 .ssh
-rw-r--r--  1 ubuntu ubuntu    0 Aug 28 08:27 .sudo_as_admin_successful
drwxr-xr-x  2 ubuntu ubuntu   40 Aug 28 08:29 Templates
drwxr-xr-x  2 ubuntu ubuntu   40 Aug 28 08:29 Videos
```

```
ubuntu@ubuntu:~$ echo heloo> list
ubuntu@ubuntu:~$ cat list
heloo
ubuntu@ubuntu:~$ echoo hi how r u?>>list

Command 'echoo' not found, did you mean:

  command 'echo' from deb coreutils (8.30-3ubuntu2)

Try: sudo apt install <deb name>

ubuntu@ubuntu:~$ echo hi puchu>list
ubuntu@ubuntu:~$ cat list
hi puchu
```

ls

```
ubuntu@ubuntu:~$ ls
alu  d2  Desktop     Downloads  Music     Public  Templates
d1   d3  Documents   file1      Pictures  song    Videos
ubuntu@ubuntu:~$ mv alu d2
ubuntu@ubuntu:~$ ls
d1  d3       Documents  file1  Pictures  song       Videos
d2  Desktop  Downloads  Music  Public    Templates
ubuntu@ubuntu:~$ mv d2
mv: missing destination file operand after 'd2'
Try 'mv --help' for more information.
ubuntu@ubuntu:~$ ls
d1  d3       Documents  file1  Pictures  song       Videos
d2  Desktop  Downloads  Music  Public    Templates
ubuntu@ubuntu:~$ mv song
mv: missing destination file operand after 'song'
Try 'mv --help' for more information.
ubuntu@ubuntu:~$ ls-al
ls-al: command not found
ubuntu@ubuntu:~$ man<history>
bash: syntax error near unexpected token `newline'
ubuntu@ubuntu:~$ touch f1.txt
ubuntu@ubuntu:~$ ls
d1  d3       Documents  f1.txt  Music     Public  Templates
d2  Desktop  Downloads  file1   Pictures  song    Videos
ubuntu@ubuntu:~$ stat file 11
stat: cannot stat 'file': No such file or directory
stat: cannot stat '11': No such file or directory
ubuntu@ubuntu:~$ touch file 11 file 13 file 12
ubuntu@ubuntu:~$ stat file 11
  File: file
  Size: 0          Blocks: 0        IO Block: 4096   regular empty file
Device: 19h/25d Inode: 1039        Links: 1
Access: (0664/-rw-rw-r--)  Uid: (  999/  ubuntu)   Gid: (  999/  ubuntu)
```

```
ubuntu@ubuntu:~$ stat file 11
stat: cannot stat 'file': No such file or directory
stat: cannot stat '11': No such file or directory
ubuntu@ubuntu:~$ touch file 11 file 13 file 12
ubuntu@ubuntu:~$ stat file 11
  File: file
  Size: 0               Blocks: 0          IO Block: 4096   regular empty file
Device: 19h/25d Inode: 1039        Links: 1
Access: (0664/-rw-rw-r--)  Uid: (  999/  ubuntu)   Gid: (  999/  ubuntu)
Access: 2020-08-28 09:08:17.830106289 +0000
Modify: 2020-08-28 09:08:17.830106289 +0000
Change: 2020-08-28 09:08:17.830106289 +0000
 Birth: -
  File: 11
  Size: 0               Blocks: 0          IO Block: 4096   regular empty file
Device: 19h/25d Inode: 1044        Links: 1
Access: (0664/-rw-rw-r--)  Uid: (  999/  ubuntu)   Gid: (  999/  ubuntu)
Access: 2020-08-28 09:08:17.830106289 +0000
Modify: 2020-08-28 09:08:17.830106289 +0000
Change: 2020-08-28 09:08:17.830106289 +0000
 Birth: -
ubuntu@ubuntu:~$ ls -la
total 20
drwxr-xr-x 19 ubuntu ubuntu  600 Aug 28 09:08 .
drwxr-xr-x  1 root   root     60 Aug 28 08:27 ..
-rw-rw-r--  1 ubuntu ubuntu    0 Aug 28 09:08 11
-rw-rw-r--  1 ubuntu ubuntu    0 Aug 28 09:08 12
-rw-rw-r--  1 ubuntu ubuntu    0 Aug 28 09:08 13
-rw-------  1 ubuntu ubuntu   17 Aug 28 08:55 .bash_history
-rw-r--r--  1 ubuntu ubuntu  220 Aug 28 08:27 .bash_logout
-rw-r--r--  1 ubuntu ubuntu 3771 Aug 28 08:27 .bashrc
drwx------  9 ubuntu ubuntu  200 Aug 28 08:29 .cache
drwxr-xr-x 11 ubuntu ubuntu  280 Aug 28 08:30 .config
```

```
drwxr-xr-x   2 ubuntu ubuntu    40 Aug 28 08:29 Music
drwxr-xr-x   2 ubuntu ubuntu    40 Aug 28 08:29 Pictures
-rw-r--r--   1 ubuntu ubuntu   807 Aug 28 08:27 .profile
drwxr-xr-x   2 ubuntu ubuntu    40 Aug 28 08:29 Public
drwxrwxr-x   2 ubuntu ubuntu    40 Aug 28 09:02 song
drwx------   2 ubuntu ubuntu    40 Aug 28 08:31 .ssh
-rw-r--r--   1 ubuntu ubuntu     0 Aug 28 08:27 .sudo_as_admin_successful
drwxr-xr-x   2 ubuntu ubuntu    40 Aug 28 08:29 Templates
drwxr-xr-x   2 ubuntu ubuntu    40 Aug 28 08:29 Videos
ubuntu@ubuntu:~$ ls -a
.     .bash_history  d1        Downloads  .local    song
..    .bash_logout   d2        f1.txt     Music     .ssh
11    .bashrc        d3        file       Pictures  .sudo_as_admin_successful
12    .cache         Desktop   file1      .profile  Templates
13    .config        Documents .gnupg     Public    Videos
ubuntu@ubuntu:~$ ls -R
.:
11   13  d2  Desktop     Downloads  file   Music     Public    Templates
12   d1  d3  Documents   f1.txt     file1  Pictures  song      Videos

./d1:

./d2:
alu

./d2/alu:

./d3:

./Desktop:
ubiquity.desktop

./Documents:
```

ubiquity.desktop

./Documents:

./Downloads:

./Music:

./Pictures:

./Public:

./song:

./Templates:

./Videos:
ubuntu@ubuntu:~$ touch -m file 11
ubuntu@ubuntu:~$ ls -al
total 20
drwxr-xr-x 19 ubuntu ubuntu 600 Aug 28 09:08 .
drwxr-xr-x 1 root   root   60 Aug 28 08:27 ..
-rw-rw-r-- 1 ubuntu ubuntu   0 Aug 28 09:14 11
-rw-rw-r-- 1 ubuntu ubuntu   0 Aug 28 09:08 12

ls-al

```
ubuntu@ubuntu:~$ ls -al
total 12
drwxr-xr-x 15 ubuntu ubuntu  380 Sep  3 05:30 .
drwxr-xr-x  1 root   root     60 Sep  3 04:53 ..
-rw-r--r--  1 ubuntu ubuntu  220 Sep  3 04:53 .bash_logout
-rw-r--r--  1 ubuntu ubuntu 3771 Sep  3 04:53 .bashrc
drwx------  9 ubuntu ubuntu  200 Sep  3 04:55 .cache
drwxr-xr-x 11 ubuntu ubuntu  280 Sep  3 04:56 .config
drwxr-xr-x  2 ubuntu ubuntu   60 Sep  3 04:53 Desktop
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Documents
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Downloads
drwx------  3 ubuntu ubuntu  100 Sep  3 05:30 .gnupg
drwx------  3 ubuntu ubuntu   60 Sep  3 04:53 .local
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Music
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Pictures
-rw-r--r--  1 ubuntu ubuntu  807 Sep  3 04:53 .profile
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Public
drwx------  2 ubuntu ubuntu   40 Sep  3 05:30 .ssh
-rw-r--r--  1 ubuntu ubuntu    0 Sep  3 04:53 .sudo_as_admin_successful
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Templates
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Videos
```

```
ubuntu@ubuntu:~$ cat tem1
cat: tem1: Is a directory
ubuntu@ubuntu:~$ cat<file222.txt
bash: file222.txt: No such file or directory
ubuntu@ubuntu:~$ cat file222.txt2>"err.txt"
cat: file222.txt2: No such file or directory
ubuntu@ubuntu:~$ touch file1.txt file2.php img1.jpg iMP2.jpg
ubuntu@ubuntu:~$ find.-name file1.txt
find.-name: command not found
ubuntu@ubuntu:~$ file .- name file1.txt
.-:          cannot open `.-' (No such file or directory)
name:        cannot open `name' (No such file or directory)
file1.txt: empty
ubuntu@ubuntu:~$ find . -name file1.txt
./file1.txt
ubuntu@ubuntu:~$ find . -name img1.jpg
./img1.jpg
ubuntu@ubuntu:~$ find . -iname imp2.jpg
./iMP2.jpg
ubuntu@ubuntu:~$ find . -name file10.txt
ubuntu@ubuntu:~$ touch new1.txt
ubuntu@ubuntu:~$ find . -newer new1.txt
././.local/share/tracker/data
././.local/share/tracker/data/.meta.isrunning
././.local/share/tracker/data/tracker-store.journal
././.cache/tracker/meta.db-wal
././.cache/tracker/meta.db
```

```
ubuntu@ubuntu:~$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Softwar
e Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type `warranty'.
2+2
4
2*4
8
10%2
```

```
ubuntu@ubuntu:~$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Softwar
e Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type `warranty'.
2+6
8
scale=2
1.80
1.80
3/5
.60
```

```
ubuntu@ubuntu:~$ cat list
total 12
drwxr-xr-x 15 ubuntu ubuntu  400 Sep  3 05:36 .
drwxr-xr-x  1 root   root     60 Sep  3 04:53 ..
-rw-r--r--  1 ubuntu ubuntu  220 Sep  3 04:53 .bash_logout
-rw-r--r--  1 ubuntu ubuntu 3771 Sep  3 04:53 .bashrc
drwx------  9 ubuntu ubuntu  200 Sep  3 04:55 .cache
drwxr-xr-x 11 ubuntu ubuntu  280 Sep  3 04:56 .config
drwxr-xr-x  2 ubuntu ubuntu   60 Sep  3 04:53 Desktop
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Documents
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Downloads
drwx------  3 ubuntu ubuntu  100 Sep  3 05:30 .gnupg
-rw-rw-r--  1 ubuntu ubuntu    0 Sep  3 05:36 list
drwx------  3 ubuntu ubuntu   60 Sep  3 04:53 .local
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Music
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Pictures
-rw-r--r--  1 ubuntu ubuntu  807 Sep  3 04:53 .profile
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Public
drwx------  2 ubuntu ubuntu   40 Sep  3 05:30 .ssh
-rw-r--r--  1 ubuntu ubuntu    0 Sep  3 04:53 .sudo_as_admin_successful
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Templates
drwxr-xr-x  2 ubuntu ubuntu   40 Sep  3 04:55 Videos
```

```
ubuntu@ubuntu:~$ echo heloo>list
ubuntu@ubuntu:~$ cat list
heloo
ubuntu@ubuntu:~$ echo hi how are you?>>list
ubuntu@ubuntu:~$ cat list
heloo
hi how are you?
ubuntu@ubuntu:~$ cat tem1
cat: tem1: No such file or directory
ubuntu@ubuntu:~$ mkdir tem1
ubuntu@ubuntu:~$ cat tem1
cat: tem1: Is a directory
ubuntu@ubuntu:~$ cat<tem1
cat: -: Is a directory
ubuntu@ubuntu:~$ cat>tem1
bash: tem1: Is a directory
ubuntu@ubuntu:~$ cat tem1
cat: tem1: Is a directory
ubuntu@ubuntu:~$ cat<file222.txt
bash: file222.txt: No such file or directory
ubuntu@ubuntu:~$ cat file222.txt2>"err.txt"
cat: file222.txt2: No such file or directory
ubuntu@ubuntu:~$ touch file1.txt file2.php img1.jpg iMP2.jpg
ubuntu@ubuntu:~$ find.-name file1.txt
find.-name: command not found
```

cat

```
ubuntu@ubuntu:~$ cat>f1
kunal
kuntal
karthik
tamal
ubuntu@ubuntu:~$ cat>f2
vinayak
akshat
hargun
harshit
ubuntu@ubuntu:~$ cat>f3
moupriya
shradha
devika
prity
ubuntu@ubuntu:~$
ubuntu@ubuntu:~$ cat>f4
parichoy
krit
tushar
lauda
ubuntu@ubuntu:~$ cat>f5
modi
amit
arvind
rahul
```

tail

```
ubuntu@ubuntu:~$ tail yy
tail: cannot open 'yy' for reading: No such file or directory
ubuntu@ubuntu:~$ tail f1
kunal
kuntal
karthik
tamal
ubuntu@ubuntu:~$ tail -n 3 f2
akshat
hargun
harshit
ubuntu@ubuntu:~$ tail -n +5 f3
ubuntu@ubuntu:~$ tail -n +1 f2
vinayak
akshat
hargun
harshit
ubuntu@ubuntu:~$ tail -c 2
gandu
u
ubuntu@ubuntu:~$ tail -c 2 f1
l
ubuntu@ubuntu:~$ tail -c 2 f1
l
```

```
ubuntu@ubuntu:~$ tee
puchu
puchu
ubuntu@ubuntu:~$ wc -l f1|tee -a f5
4 f1
ubuntu@ubuntu:~$ cat f5
modi
amit
arvind
rahul
4 f1
ubuntu@ubuntu:~$ comm -1 -2 f1 f2
comm: file 1 is not in sorted order
comm: file 2 is not in sorted order
ubuntu@ubuntu:~$ comm -1 f1 f2
comm: file 1 is not in sorted order
vinayak
comm: file 2 is not in sorted order
akshat
hargun
harshit
ubuntu@ubuntu:~$ comm -12 f1 f2
comm: file 1 is not in sorted order
comm: file 2 is not in sorted order
```

```
ubuntu@ubuntu:~$ head -n 2 f1
kunal
kuntal
ubuntu@ubuntu:~$ ls -l| head -n 2
total 28
drwxr-xr-x 2 ubuntu ubuntu 60 Sep 24 04:46 Desktop
ubuntu@ubuntu:~$ ls -l| tail -n 2
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Templates
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Videos
ubuntu@ubuntu:~$ ls -l
total 28
drwxr-xr-x 2 ubuntu ubuntu 60 Sep 24 04:46 Desktop
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Documents
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Downloads
-rw-rw-r-- 1 ubuntu ubuntu 27 Sep 24 05:37 f1
-rw-rw-r-- 1 ubuntu ubuntu 30 Sep 24 05:38 f2
-rw-rw-r-- 1 ubuntu ubuntu 30 Sep 24 05:38 f3
-rw-rw-r-- 1 ubuntu ubuntu 27 Sep 24 05:40 f4
-rw-rw-r-- 1 ubuntu ubuntu 23 Sep 24 05:41 f5
-rw-rw-r-- 1 ubuntu ubuntu 39 Sep 24 05:46 f6
-rw-rw-r-- 1 ubuntu ubuntu 85 Sep 24 06:01 list
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Music
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Pictures
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Public
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Templates
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Videos
```

```
ubuntu@ubuntu:~$ cat f6
lala
bhola
shola
bala
laila
maila
bsdk
ubuntu@ubuntu:~$ wc f6
 7  7 39 f6
ubuntu@ubuntu:~$ cmp f1f2
cmp: f1f2: No such file or directory
ubuntu@ubuntu:~$ cmp f1
f1
f2

f1 - differ: byte 1, line 1
ubuntu@ubuntu:~$ comm f2
comm: missing operand after 'f2'
Try 'comm --help' for more information.
ubuntu@ubuntu:~$ comm f1 f2
kunal
kuntal
comm: file 1 is not in sorted order
karthik
tamal
        vinayak
comm: file 2 is not in sorted order
        akshat
```

```
ubuntu@ubuntu:~$ cmp f1f2
cmp: f1f2: No such file or directory
ubuntu@ubuntu:~$ cmp f1
f1
f2

f1 - differ: byte 1, line 1
ubuntu@ubuntu:~$ comm f2
comm: missing operand after 'f2'
Try 'comm --help' for more information.
ubuntu@ubuntu:~$ comm f1 f2
kunal
kuntal
comm: file 1 is not in sorted order
karthik
tamal
        vinayak
comm: file 2 is not in sorted order
        akshat
        hargun
        harshit
ubuntu@ubuntu:~$ cat f4
parichoy
krit
tushar
lauda
ubuntu@ubuntu:~$ comm -1 2 f1 f2
comm: extra operand 'f2'
```

```
karthik
tamal
        vinayak
comm: file 2 is not in sorted order
        akshat
        hargun
        harshit
ubuntu@ubuntu:~$ cat f4
parichoy
krit
tushar
lauda
ubuntu@ubuntu:~$ comm -1 2 f1 f2
comm: extra operand 'f2'
Try 'comm --help' for more information.
ubuntu@ubuntu:~$ comm -1
comm: missing operand
Try 'comm --help' for more information.
ubuntu@ubuntu:~$ diff f1
diff: missing operand after 'f1'
diff: Try 'diff --help' for more information.
ubuntu@ubuntu:~$ diff f1 f2
1,4c1,4
< kunal
< kuntal
< karthik
< tamal
---
> vinayak
```

```
ubuntu@ubuntu:~$ diff f1
diff: missing operand after 'f1'
diff: Try 'diff --help' for more information.
ubuntu@ubuntu:~$ diff f1 f2
1,4c1,4
< kunal
< kuntal
< karthik
< tamal
---
> vinayak
> akshat
> hargun
> harshit
ubuntu@ubuntu:~$ ls
Desktop     Downloads  f2  f4  f6      Pictures  Templates
Documents   f1         f3  f5  Music   Public    Videos
ubuntu@ubuntu:~$ ls|wc -1
wc: invalid option -- '1'
Try 'wc --help' for more information.
ubuntu@ubuntu:~$ ls|wc -l
14
ubuntu@ubuntu:~$ ls -l|wc
     15     128     696
ubuntu@ubuntu:~$ ls|wc -c
85
ubuntu@ubuntu:~$ ls -l
total 24
drwxr-xr-x 2 ubuntu ubuntu 60 Sep 24 04:46 Desktop
```

ls-wc

```
Desktop     Downloads   f2   f4   f6      Pictures   Templates
Documents   f1               f3   f5   Music   Public     Videos
ubuntu@ubuntu:~$ ls|wc -1
wc: invalid option -- '1'
Try 'wc --help' for more information.
ubuntu@ubuntu:~$ ls|wc -l
14
ubuntu@ubuntu:~$ ls -l|wc
     15     128     696
ubuntu@ubuntu:~$ ls|wc -c
85
ubuntu@ubuntu:~$ ls -l
total 24
drwxr-xr-x 2 ubuntu ubuntu 60 Sep 24 04:46 Desktop
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Documents
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Downloads
-rw-rw-r-- 1 ubuntu ubuntu 27 Sep 24 05:37 f1
-rw-rw-r-- 1 ubuntu ubuntu 30 Sep 24 05:38 f2
-rw-rw-r-- 1 ubuntu ubuntu 30 Sep 24 05:38 f3
-rw-rw-r-- 1 ubuntu ubuntu 27 Sep 24 05:40 f4
-rw-rw-r-- 1 ubuntu ubuntu 23 Sep 24 05:41 f5
-rw-rw-r-- 1 ubuntu ubuntu 39 Sep 24 05:46 f6
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Music
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Pictures
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Public
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Templates
drwxr-xr-x 2 ubuntu ubuntu 40 Sep 24 04:48 Videos
ubuntu@ubuntu:~$ ls|tee list
Desktop
```