```
File  Actions  Edit  View  Help
┌──(kali㉿kali)-[~]
└─$ ls -la
total 188
drwx─────── 16 kali kali  4096 Apr 18 01:24 .
drwxr-xr-x  4 root root   4096 Apr 17 01:50 ..
-rw-r--r--  1 kali kali    220 Mar 10 08:52 .bash_logout
-rw-r--r--  1 kali kali   5551 Mar 10 08:52 .bashrc
-rw-r--r--  1 kali kali   3526 Mar 10 08:52 .bashrc.original
drwxr-xr-x  8 kali kali  4096 Apr 12 03:40 .cache
drwxr-xr-x 14 kali kali  4096 Apr 14 04:19 .config
drwxr-xr-x  3 kali kali  4096 Apr 12 04:06 Desktop
-rw-r--r--  1 kali kali     35 Apr 11 01:23 .dmrc
drwxr-xr-x  2 kali kali  4096 Apr 11 01:23 Documents
drwxr-xr-x  2 kali kali  4096 Apr 12 03:40 Downloads
-rw-r--r--  1 kali kali 11759 Mar 10 08:52 .face
lrwxrwxrwx  1 kali kali      5 Mar 10 08:52 .face.icon → .face
drwx───────  3 kali kali  4096 Apr 11 01:23 .gnupg
-rw─────────  1 kali kali      0 Apr 11 01:23 .ICEauthority
drwxr-xr-x  3 kali kali  4096 Mar 10 08:52 .java
-rw─────────  1 kali kali     20 Apr 17 04:33 .lesshst
drwxr-xr-x  3 kali kali  4096 Mar 10 08:52 .local
drwx───────  4 kali kali  4096 Apr 12 03:38 .mozilla
drwxr-xr-x  2 kali kali  4096 Apr 11 01:23 Music
drwxr-xr-x  2 kali kali  4096 Apr 14 04:19 Pictures
-rw-r--r--  1 kali kali    807 Mar 10 08:52 .profile
drwxr-xr-x  2 kali kali  4096 Apr 11 01:23 Public
-rw-r--r--  1 kali kali      0 Apr 12 03:23 .sudo_as_admin_successful
drwxr-xr-x  2 kali kali  4096 Apr 11 01:23 Templates
-rw-r───────  1 kali kali      4 Apr 18 01:17 .vboxclient-clipboard.pid
-rw-r───────  1 kali kali      5 Apr 18 01:17 .vboxclient-display-svga-x11.pid
-rw-r───────  1 kali kali      4 Apr 18 01:17 .vboxclient-draganddrop.pid
-rw-r───────  1 kali kali      4 Apr 18 01:17 .vboxclient-seamless.pid
-rw-r───────  1 kali kali      5 Apr 18 01:17 .vboxclient-vmsvga-session-tty7.pid
drwxr-xr-x  2 kali kali  4096 Apr 11 01:23 Videos
-rw───────  1 kali kali 11932 Apr 13 13:25 .viminfo
```

```
File  Actions  Edit  View  Help
drwxr-xr-x  2 kali kali  4096 Apr 11 01:23 Videos
-rw───────  1 kali kali 11932 Apr 13 13:25 .viminfo
-rw───────  1 kali kali     49 Apr 18 01:17 .Xauthority
-rw───────  1 kali kali   8241 Apr 18 01:24 .xsession-errors
-rw───────  1 kali kali   8182 Apr 17 03:57 .xsession-errors.old
-rw-r--r--  1 kali kali 10240 Apr 17 04:15 zipped.tar
-rw───────  1 kali kali   2262 Apr 17 04:39 .zsh_history
-rw-r--r--  1 kali kali 10868 Mar 10 08:52 .zshrc

┌──(kali㉿kali)-[~]
└─$ cd Desktop

┌──(kali㉿kali)-[~/Desktop]
└─$ cd Madhavi

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh  demo  Desktop  f2.txt  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ cp -ir test/ yash/

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh  demo  Desktop  f2.txt  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ rm f2.txt

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh  demo  Desktop  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$
```

```
kali@kali: ~/Desktop/Madhavi
File  Actions  Edit  View  Help
command_args.sh  demo  Desktop  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ mkdir newdir

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh  demo  Desktop  f3.tar  f6.txt  filecount.sh  linux  newdir  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ rm newdir/
rm: cannot remove 'newdir/': Is a directory

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ rmdir newdir/

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh  demo  Desktop  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ chmod 755 f6.txt

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -a
.  ..  command_args.sh  demo  Desktop  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -l
total 84
-rwxr-xr-x 1 kali kali   176 Apr 12 12:14 command_args.sh
drwxr-xr-x 2 kali kali  4096 Apr 17 03:17 demo
-rw-r--r-- 1 kali kali    22 Apr 12 04:26 Desktop
-rw-r--r-- 1 kali kali     9 Apr 13 11:10 f3.tar
-rwxr-xr-x 1 kali kali    17 Apr 13 13:25 f6.txt
```

```
kali@kali: ~/Desktop/Madhavi
File  Actions  Edit  View  Help
.  ..  command_args.sh  demo  Desktop  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -l
total 84
-rwxr-xr-x 1 kali kali   176 Apr 12 12:14 command_args.sh
drwxr-xr-x 2 kali kali  4096 Apr 17 03:17 demo
-rw-r--r-- 1 kali kali    22 Apr 12 04:26 Desktop
-rw-r--r-- 1 kali kali     9 Apr 13 11:10 f3.tar
-rwxr-xr-x 1 kali kali    17 Apr 13 13:25 f6.txt
-rwxr-xr-x 1 kali kali   112 Apr 12 13:06 filecount.sh
drwxr-xr-x 2 kali kali  4096 Apr 13 11:02 linux
-rwxr-xr-x 1 kali kali   127 Apr 12 12:47 path.sh
-rwxr-xr-x 1 kali kali    50 Apr 12 12:55 space.sh
drwxr-xr-x 2 kali kali  4096 Apr 17 04:28 test
-rw-r--r-- 1 kali kali   128 Apr 12 11:15 test2.sh
-rwxr-xr-x 1 kali kali   151 Apr 12 10:33 test.sh
drwxr-xr-x 3 kali kali  4096 Apr 18 01:29 yash
-rw-r--r-- 1 kali kali 30720 Apr 17 04:17 zipped.tar

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -i
526092 command_args.sh  524356 Desktop  524442 f6.txt   524451 linux   524565 space.sh  526095 test2.sh  524372 yash
526304 demo             526100 f3.tar   526099 filecount.sh  526097 path.sh  526128 test   524616 test.sh  526266 zipped.tar

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -t
yash  test  zipped.tar  demo  f6.txt  f3.tar  linux  filecount.sh  space.sh  path.sh  command_args.sh  test2.sh  test.sh  Desktop

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -t | head -1
yash

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$
```

```
kali@kali: ~/Desktop/Madhavi
File  Actions  Edit  View  Help
┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -lh
total 84K
-rwxr-xr-x 1 kali kali  176 Apr 12 12:14 command_args.sh
drwxr-xr-x 2 kali kali 4.0K Apr 17 03:17 demo
-rw-r--r-- 1 kali kali   22 Apr 12 04:26 Desktop
-rw-r--r-- 1 kali kali    9 Apr 13 11:10 f3.tar
-rwxr-xr-x 1 kali kali   17 Apr 13 13:25 f6.txt
-rwxr-xr-x 1 kali kali  112 Apr 12 13:06 filecount.sh
drwxr-xr-x 2 kali kali 4.0K Apr 13 11:02 linux
-rwxr-xr-x 1 kali kali  127 Apr 12 12:47 path.sh
-rwxr-xr-x 1 kali kali   50 Apr 12 12:55 space.sh
drwxr-xr-x 2 kali kali 4.0K Apr 17 04:28 test
-rw-r--r-- 1 kali kali  128 Apr 12 11:15 test2.sh
-rwxr-xr-x 1 kali kali  151 Apr 12 10:33 test.sh
drwxr-xr-x 3 kali kali 4.0K Apr 18 01:29 yash
-rw-r--r-- 1 kali kali  30K Apr 17 04:17 zipped.tar

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -m
command_args.sh, demo, Desktop, f3.tar, f6.txt, filecount.sh, linux, path.sh, space.sh, test, test2.sh, test.sh, yash, zipped.tar

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -d */
demo/  linux/  test/  yash/

┌──(kali@kali)-[~/Desktop/Madhavi]
└─$ ls -ltr
total 84
-rw-r--r-- 1 kali kali   22 Apr 12 04:26 Desktop
-rwxr-xr-x 1 kali kali  151 Apr 12 10:33 test.sh
-rw-r--r-- 1 kali kali  128 Apr 12 11:15 test2.sh
-rwxr-xr-x 1 kali kali  176 Apr 12 12:14 command_args.sh
-rwxr-xr-x 1 kali kali  127 Apr 12 12:47 path.sh
-rwxr-xr-x 1 kali kali   50 Apr 12 12:55 space.sh
```

```
┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ du -hs
148K    .

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ df -h -x squashfs
Filesystem      Size  Used Avail Use% Mounted on
udev            1.7G     0  1.7G   0% /dev
tmpfs           345M  936K  344M   1% /run
/dev/sda1        79G   14G   61G  19% /
tmpfs           1.7G     0  1.7G   0% /dev/shm
tmpfs           5.0M     0  5.0M   0% /run/lock
tmpfs           345M   76K  345M   1% /run/user/1000

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ finger kali
Login: kali                     Name:
Directory: /home/kali           Shell: /usr/bin/zsh
On since Tue Apr 18 01:17 (EDT) on tty7 from :0
   31 minutes 58 seconds idle
No mail.
No Plan.

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ free -h
               total        used        free      shared  buff/cache   available
Mem:           3.4Gi       883Mi       2.3Gi       8.6Mi       422Mi       2.5Gi
Swap:          1.0Gi          0B       1.0Gi

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ groups kali
kali : kali adm dialout cdrom floppy sudo audio dip video plugdev users netdev bluetooth scanner wireshark kaboxer vboxsf

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$
```

```
┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh  demo  Desktop  f3.tar  f6.txt  filecount.sh  linux  path.sh  space.sh  test  test2.sh  test.sh  yash  zipped.tar

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ gzip -k f6.txt

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ ls -l f6*
-rwxr-xr-x 1 kali kali 17 Apr 13 13:25 f6.txt
-rwxr-xr-x 1 kali kali 44 Apr 13 13:25 f6.txt.gz

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ ps -e | grep shutter

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ ps
    PID TTY          TIME CMD
   4725 pts/0    00:00:03 zsh
  18615 pts/0    00:00:00 ps

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ watch -t -n 1 date

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$
```

```
Tue Apr 18 01:56:07 AM EDT 2023
```

```
┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ bc
Command 'bc' not found, but can be installed with:
sudo apt install bc
Do you want to install it? (N/y)y
sudo apt install bc
[sudo] password for kali:
Reading package lists ... Done
Building dependency tree ... Done
Reading state information ... Done
The following NEW packages will be installed:
  bc
0 upgraded, 1 newly installed, 0 to remove and 387 not upgraded.
Need to get 110 kB of archives.
After this operation, 247 kB of additional disk space will be used.
Get:1 http://http.kali.org/kali kali-rolling/main amd64 bc amd64 1.07.1-3+b1 [110 kB]
Fetched 110 kB in 7s (15.0 kB/s)
Selecting previously unselected package bc.
(Reading database ... 393089 files and directories currently installed.)
Preparing to unpack .../bc_1.07.1-3+b1_amd64.deb ...
Unpacking bc (1.07.1-3+b1) ...
Setting up bc (1.07.1-3+b1) ...
Processing triggers for kali-menu (2023.1.7) ...
Processing triggers for doc-base (0.11.1) ...
Processing 37 changed doc-base files, 1 added doc-base file ...
Processing triggers for man-db (2.11.2-1) ...

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ uname
Linux

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ uname -a
Linux kali 6.1.0-kali5-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.12-1kali2 (2023-02-23) x86_64 GNU/Linux
```

```
Selecting previously unselected package bc.
(Reading database ... 393089 files and directories currently installed.)
Preparing to unpack .../bc_1.07.1-3+b1_amd64.deb ...
Unpacking bc (1.07.1-3+b1) ...
Setting up bc (1.07.1-3+b1) ...
Processing triggers for kali-menu (2023.1.7) ...
Processing triggers for doc-base (0.11.1) ...
Processing 37 changed doc-base files, 1 added doc-base file ...
Processing triggers for man-db (2.11.2-1) ...

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ uname
Linux

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ uname -a
Linux kali 6.1.0-kali5-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.12-1kali2 (2023-02-23) x86_64 GNU/Linux

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ uname -r
6.1.0-kali5-amd64

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ uname -o
GNU/Linux

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ mpstat
Linux 6.1.0-kali5-amd64 (kali)  04/18/2023    _x86_64_    (3 CPU)

02:01:28 AM  CPU    %usr   %nice   %sys %iowait    %irq   %soft  %steal  %guest  %gnice   %idle
02:01:28 AM  all    0.94    0.00   1.56    0.16    0.00    0.22    0.00    0.00    0.00   97.12

┌──(kali㉿kali)-[~/Desktop/Madhavi]
└─$ shutdown
```