

Name : Madhavi Suratkar

Linux 90 Commands

```
kali@kali: ~/Desktop/Madhavi
(kali@kali)-[~]
$ ip
Usage: ip [ OPTIONS ] OBJECT { COMMAND | help }
       ip [ -force ] -batch filename
where  OBJECT := { address | addlabel | amt | fow | help | ila | ioam | l2tp |
link | macsec | maddress | monitor | mptcp | mroute | mrule |
neighbor | neighbour | netconf | netns | nexthop | ntable |
ntbl | route | rule | sr | tap | tcpmetrics |
token | tunnel | tuntap | vrf | xfrm }
OPTIONS := { -V[ersion] | -s[tatistics] | -d[etails] | -r[esolve] |
-h[uman-readable] | -iec | -j[son] | -p[retty] |
-f[amily] { inet | inet6 | mpls | bridge | link } |
-4 | -6 | -M | -B | -O |
-l[oops] { maximum-addr-flush-attempts } | -br[ief] |
-o[neline] | -t[imestamp] | -ts[hort] | -b[atch] [filename] |
-rc[vbuf] [size] | -n[etns] name | -N[umeric] | -a[ll] |
-c[olor]}
```

```
(kali@kali)-[~]
$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos

(kali@kali)-[~]
$ cd Desktop

(kali@kali)-[~/Desktop]
$ cd Madhavi

(kali@kali)-[~/Desktop/Madhavi]
$ ls
command_args.sh  Desktop  file2.txt  file3.txt  filecount.sh  path.sh  space.sh  test2.sh  test.sh

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

```
(kali@kali)-[~/Desktop/Madhavi]
$ df
Filesystem      1K-blocks    Used Available Use% Mounted on
udev            1724024         0   1724024    0% /dev
tmpfs           352920         936    351984    1% /run
/dev/sda1      82083148 14029828 63837772  19% /
tmpfs          1764580         0   1764580    0% /dev/shm
tmpfs           5120         0     5120    0% /run/lock
tmpfs          352916         76    352840    1% /run/user/1000

(kali@kali)-[~/Desktop/Madhavi]
$ du
40 .

(kali@kali)-[~/Desktop/Madhavi]
$ free
              total        used        free      shared  buff/cache   available
Mem:        3529164      883480     2449712         8792       421668     2645684
Swap:      1048572           0     1048572

(kali@kali)-[~/Desktop/Madhavi]
$ scp
usage: scp [-346ABCOpqRrsTv] [-c cipher] [-D sftp_server_path] [-F ssh_config] [-i identity_file] [-J destination] [-l limit] [-o ssh_option]
          [-P port] [-S program] [-X sftp_option] source ... target

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

```
File Actions Edit View Help
(kali@kali)~/Desktop/Madhavi
$ find
./test2.sh
./file3.txt
./Desktop
./path.sh
./test.sh
./space.sh
./filecount.sh
./command_args.sh
./file2.txt

(kali@kali)~/Desktop/Madhavi
$ ncd
Command 'ncd' not found, but can be installed with:
sudo apt install ncd
Do you want to install it? (N/y)
sudo apt install ncd
[sudo] password for kali:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
ncd
0 upgraded, 1 newly installed, 0 to remove and 387 not upgraded.
Need to get 51.9 kB of archives.
After this operation, 116 kB of additional disk space will be used.
Ign:1 http://http.kali.org/kali kali-rolling/main amd64 ncd amd64 1.18-0.2
Ign:1 http://http.kali.org/kali kali-rolling/main amd64 ncd amd64 1.18-0.2
Get:1 http://http.kali.org/kali kali-rolling/main amd64 ncd amd64 1.18-0.2 [51.9 kB]
Fetched 51.9 kB in 1min 46s (490 B/s)
Selecting previously unselected package ncd.
(Reading database ... 392553 files and directories currently installed.)
Preparing to unpack .../ncd_1.18-0.2_amd64.deb ...
Unpacking ncd (1.18-0.2) ...
Setting up ncd (1.18-0.2) ...
Processing triggers for man-db (2.11.2-1) ...
Processing triggers for kali-menu (2023.1.7) ...

(kali@kali)~/Desktop/Madhavi
$
```

```
File Actions Edit View Help
ncd 1.18 ~ Use the arrow keys to navigate, press ? for help
/home/kali/Desktop/Madhavi
4.0 KiB [#####] command_args.sh
4.0 KiB [#####] test.sh
4.0 KiB [#####] test2.sh
4.0 KiB [#####] path.sh
4.0 KiB [#####] filecount.sh
4.0 KiB [#####] space.sh
4.0 KiB [#####] file2.txt
4.0 KiB [#####] file3.txt
4.0 KiB [#####] Desktop

Total disk usage: 40.0 KiB Apparent size: 4.0 KiB Items: 8
```

```
File Actions Edit View Help
(kali@kali)~/Desktop/Madhavi
$ ncd
(kali@kali)~/Desktop/Madhavi
$ pstree
systemd--ModemManager--2*[{ModemManager}]
--NetworkManager--2*[{NetworkManager}]
--3*[{VBoxClient}--VBoxClient--3*[{VBoxClient}]]
--VBoxClient--VBoxClient--4*[{VBoxClient}]
--VBoxService--8*[{VBoxService}]
--agetty
--colord--2*[{colord}]
--cron
--dbus-daemon
--haveged
--lightdm--Xorg--{Xorg}
--lightdm--xfce4-session--Thunar--2*[{Thunar}]
--agent--2*[{agent}]
--blueman-applet--3*[{blueman-applet}]
--light-locker--3*[{light-locker}]
--nm-applet--3*[{nm-applet}]
--polkit-gnome-au--2*[{polkit-gnome-au}]
--ssh-agent
--xfce4-panel--panel-1-whisker--2*[{panel-1-whisker}]
--panel-13-cpugra--2*[{panel-13-cpugra}]
--panel-14-systra--2*[{panel-14-systra}]
--panel-15-genmon--2*[{panel-15-genmon}]
--panel-16-pulsea--2*[{panel-16-pulsea}]
--panel-17-notifi--2*[{panel-17-notifi}]
--panel-18-power--2*[{panel-18-power-}]
--panel-22-action--2*[{panel-22-action}]
--2*[{xfce4-panel}]
--xfce4-power-man--2*[{xfce4-power-man}]
--xfdesktop--2*[{xfdesktop}]
--xfsettingsd--2*[{xfsettingsd}]
--xfwm4--2*[{xfwm4}]
--xiced--2*[{xiced}]
--2*[{xfce4-session}]
--2*[{lightdm}]
--2*[{lightdm}]
--polkitd--2*[{polkitd}]
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

-xfce4-power-man-2*[{xfce4-power-man}]
-xfdesktop-2*[{xfdesktop}]
-xfsettingsd-2*[{xfsettingsd}]
-xfwm4-2*[{xfwm4}]
-xiccd-2*[{xiccd}]
-2*[{xfce4-session}]
-2*[{lightdm}]
-2*[{lightdm}]
-polkitd-2*[{polkitd}]
-qterminal-zsh-pstree
-2*[{qterminal}]
-rtkit-daemon-2*[{rtkit-daemon}]
-systemd-(sd-pam)
-at-spi-bus-laun-dbus-daemon
-3*[{at-spi-bus-laun}]
-at-spi2-registr-2*[{at-spi2-registr}]
-dbus-daemon
-dconf-service-2*[{dconf-service}]
-gnome-keyring-d-3*[{gnome-keyring-d}]
-gpg-agent
-gvfs-afc-volume-3*[{gvfs-afc-volume}]
-gvfs-goa-volume-2*[{gvfs-goa-volume}]
-gvfs-gphoto2-vo-2*[{gvfs-gphoto2-vo}]
-gvfs-mtp-volume-2*[{gvfs-mtp-volume}]
-gvfs-udisks2-vo-3*[{gvfs-udisks2-vo}]
-gvfsd-gvfsd-trash-2*[{gvfsd-trash}]
-2*[{gvfsd}]
-gvfsd-fuse-5*[{gvfsd-fuse}]
-gvfsd-metadata-2*[{gvfsd-metadata}]
-obexd
-pulseaudio-2*[{pulseaudio}]
-xfce4-notifyd-2*[{xfce4-notifyd}]
-xfconfd-2*[{xfconfd}]
-systemd-journal
-systemd-logind
-systemd-udev
-udisksd-4*[{udisksd}]
-upowerd-2*[{upowerd}]
-xcape-{xcape}

kali@kali:~/Desktop/Madhavi
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

-systemd-journal
-systemd-logind
-systemd-udev
-udisksd-4*[{udisksd}]
-upowerd-2*[{upowerd}]
-xcape-{xcape}

kali@kali:~/Desktop/Madhavi
$ last
kali tty7 :0 Thu Apr 13 10:43 still logged in
reboot system boot 6.1.0-kali5-amd6 Thu Apr 13 10:43 still running
kali tty7 :0 Wed Apr 12 08:47 - crash (1+01:55)
reboot system boot 6.1.0-kali5-amd6 Wed Apr 12 08:47 still running
kali tty7 :0 Wed Apr 12 03:18 - crash (05:29)
reboot system boot 6.1.0-kali5-amd6 Wed Apr 12 03:17 still running
kali tty7 :0 Tue Apr 11 01:26 - 01:27 (00:00)
reboot system boot 6.1.0-kali5-amd6 Tue Apr 11 01:26 - 01:27 (00:00)
kali tty7 :0 Tue Apr 11 01:23 - crash (00:03)
reboot system boot 6.1.0-kali5-amd6 Tue Apr 11 01:22 - 01:27 (00:04)

wtmp begins Tue Apr 11 01:22:30 2023

kali@kali:~/Desktop/Madhavi
$ w
10:51:45 up 8 min, 1 user, load average: 0.32, 0.21, 0.11
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
kali tty7 :0 10:43 8:12 28.00s 0.51s xfce4-session

kali@kali:~/Desktop/Madhavi
$ grep
Usage: grep [OPTION]... PATTERNS [FILE]...
Try 'grep --help' for more information.

kali@kali:~/Desktop/Madhavi
$
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
kali tty7 :0 10:43 8:12 28.00s 0.51s xfce4-session

kali@kali:~/Desktop/Madhavi
$ grep
Usage: grep [OPTION]... PATTERNS [FILE]...
Try 'grep --help' for more information.

kali@kali:~/Desktop/Madhavi
$ uptime
10:52:25 up 8 min, 1 user, load average: 0.16, 0.18, 0.10

kali@kali:~/Desktop/Madhavi
$ top
top - 10:52:44 up 9 min, 1 user, load average: 0.19, 0.19, 0.10
Tasks: 155 total, 1 running, 154 sleeping, 0 stopped, 0 zombie
%Cpu(s): 2.1 us, 0.7 sy, 0.0 ni, 97.1 id, 0.0 wa, 0.0 hi, 0.1 si, 0.0 st
MiB Mem : 3446.4 total, 2201.7 free, 886.1 used, 586.5 buff/cache
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used, 2560.4 avail Mem

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
595 root 20 0 420048 130628 61364 S 5.3 3.7 0:32.07 Xorg
916 kali 20 0 283496 2408 2060 S 0.7 0.1 0:03.07 VBoxClient
966 kali 20 0 585692 101972 77228 S 0.7 2.9 0:05.62 xfwm4
1023 kali 20 0 358496 28532 20732 S 0.7 0.8 0:02.14 panel-15-genmon
908 kali 20 0 217444 2456 2108 S 0.3 0.1 0:00.93 VBoxClient
1015 kali 20 0 413584 62256 35484 S 0.3 1.8 0:01.20 xfdesktop
1021 kali 20 0 207072 33932 18600 S 0.3 1.0 0:02.00 panel-13-cpugra
1437 kali 20 0 462340 108168 88320 S 0.3 3.1 0:03.38 qterminal
1 root 20 0 167776 12224 9044 S 0.0 0.3 0:01.02 systemd
2 root 20 0 0 0 0 S 0.0 0.0 0:00.01 kthreadd
3 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu_gp
4 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 rcu_par_gp
5 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 slub_flushwq
6 root 0 -20 0 0 0 I 0.0 0.0 0:00.00 netns
```

```
File Actions Edit View Help
top - 10:52:32 up 9 min, 1 user, load average: 0.15, 0.18, 0.10
Tasks: 155 total, 2 running, 153 sleeping, 0 stopped, 0 zombie
%Cpu(s): 2.4 us, 1.3 sy, 0.0 ni, 95.9 id, 0.1 wa, 0.0 hi, 0.3 si, 0.0 st
MiB Mem : 3446.4 total, 2206.7 free, 881.6 used, 585.9 buff/cache
MiB Swap: 1024.0 total, 1024.0 free, 0.0 used, 2564.8 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
 595 root        20   0 420048 130628 61364 S   5.3   3.7   0:30.67 Xorg
 908 kali        20   0 217444   2456 2108 S   0.7   0.1   0:00.91 VBoxClient
 916 kali        20   0 283496   2408 2060 S   0.7   0.1   0:03.02 VBoxClient
 966 kali        20   0 585692 101972 77228 S   0.7   2.9   0:05.42 xfwm4
 826 kali        20   0   9564   5288 4212 S   0.3   0.1   0:00.56 dbus-daemon
1021 kali        20   0 207072 33932 18600 S   0.3   1.0   0:01.95 panel-13-cpugra
1024 kali        20   0 592868 42792 33720 S   0.3   1.2   0:00.87 panel-16-pulsea
   1 root        20   0 167776 12224  9044 S   0.0   0.3   0:01.02 systemd
   2 root        20   0      0      0      0 S   0.0   0.0   0:00.01 kthreadd
   3 root        0 -20   0      0      0 I   0.0   0.0   0:00.00 rcu_gp
   4 root        0 -20   0      0      0 I   0.0   0.0   0:00.00 rcu_par_gp
   5 root        0 -20   0      0      0 I   0.0   0.0   0:00.00 slub_flushwq
   6 root        0 -20   0      0      0 I   0.0   0.0   0:00.00 netns
   8 root        0 -20   0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H-events_highpri
  10 root        0 -20   0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
  11 root        20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_kthread
  12 root        20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
  13 root        20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
  14 root        20   0      0      0      0 S   0.0   0.0   0:00.08 ksoftirqd/0
  15 root        20   0      0      0      0 R   0.0   0.0   0:00.55 rcu_preempt
  16 root        rt    0      0      0      0 S   0.0   0.0   0:00.02 migration/0
  17 root        20   0      0      0      0 I   0.0   0.0   0:00.26 kworker/0:1-events
  18 root        20   0      0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
  19 root        20   0      0      0      0 S   0.0   0.0   0:00.00 cpuhp/1
  20 root        rt    0      0      0      0 S   0.0   0.0   0:00.51 migration/1
  21 root        20   0      0      0      0 S   0.0   0.0   0:00.02 ksoftirqd/1
  24 root        20   0      0      0      0 S   0.0   0.0   0:00.00 cpuhp/2
  25 root        rt    0      0      0      0 S   0.0   0.0   0:00.50 migration/2
```

```
File Actions Edit View Help
(kali@kali)-[~/Desktop/Madhavi]
$ vmstat
procs-----memory-----swap-- --io-- --system-- --cpu--
r b swpd free buff cache si so bi bo in cs us sy id wa st
1 0 0 2263720 37832 563220 0 0 329 55 321 298 2 3 94 1 0

(kali@kali)-[~/Desktop/Madhavi]
$ htop
Command 'htop' not found, but can be installed with:
sudo apt install htop
Do you want to install it? (N/y)y
sudo apt install htop
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  strace
The following NEW packages will be installed:
  htop
0 upgraded, 1 newly installed, 0 to remove and 387 not upgraded.
Need to get 152 kB of archives.
After this operation, 387 kB of additional disk space will be used.
Get:1 http://kali.download/kali kali-rolling/main amd64 htop amd64 3.2.2-2 [152 kB]
Fetched 152 kB in 2s (75.5 kB/s)
Selecting previously unselected package htop.
(Reading database ... 392559 files and directories currently installed.)
Preparing to unpack .../htop_3.2.2-2_amd64.deb ...
Unpacking htop (3.2.2-2) ...
Setting up htop (3.2.2-2) ...
Processing triggers for mailcap (3.70+nmul) ...
Processing triggers for kali-menu (2023.1.7) ...
Processing triggers for desktop-file-utils (0.26-1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for man-db (2.11.2-1) ...
```

```
File Actions Edit View Help
(kali@kali)-[~/Desktop/Madhavi]
$ dstat
Command 'dstat' not found, but can be installed with:
sudo apt install dstat
sudo apt install pcpc

(kali@kali)-[~/Desktop/Madhavi]
$ iftop
Command 'iftop' not found, but can be installed with:
sudo apt install iftop
Do you want to install it? (N/y)y
sudo apt install iftop
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  iftop
0 upgraded, 1 newly installed, 0 to remove and 387 not upgraded.
Need to get 38.5 kB of archives.
After this operation, 95.2 kB of additional disk space will be used.
Get:1 http://http.kali.org/kali kali-rolling/main amd64 iftop amd64 1.0~pre4-9 [38.5 kB]
Fetched 38.5 kB in 2s (18.7 kB/s)
Selecting previously unselected package iftop.
(Reading database ... 392570 files and directories currently installed.)
Preparing to unpack .../iftop_1.0~pre4-9_amd64.deb ...
Unpacking iftop (1.0~pre4-9) ...
Setting up iftop (1.0~pre4-9) ...
Processing triggers for kali-menu (2023.1.7) ...
Processing triggers for man-db (2.11.2-1) ...

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



```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)~[~/Desktop/Madhavi]
$ nethogs
Command 'nethogs' not found, but can be installed with:
sudo apt install nethogs
Do you want to install it? (N/y)y
sudo apt install nethogs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
nethogs
0 upgraded, 1 newly installed, 0 to remove and 387 not upgraded.
Need to get 35.8 kB of archives.
After this operation, 102 kB of additional disk space will be used.
Get:1 http://kali.download/kali-kali-rolling/main amd64 nethogs amd64 0.8.7-2 [35.8 kB]
Fetched 35.8 kB in 13s (2,847 B/s)
Selecting previously unselected package nethogs.
(Reading database ... 392577 files and directories currently installed.)
Preparing to unpack .../nethogs_0.8.7-2_amd64.deb ...
Unpacking nethogs (0.8.7-2) ...
Setting up nethogs (0.8.7-2) ...
Processing triggers for man-db (2.11.2-1) ...
Processing triggers for kali-menu (2023.1.7) ... the quieter you become, the more you are able to hear"

(kali@kali)~[~/Desktop/Madhavi]
$ iotop
Command 'iotop' not found, did you mean:
command 'biotop' from deb libbbpf-tools
command 'iftop' from deb iftop
Try: sudo apt install <deb name>

(kali@kali)~[~/Desktop/Madhavi]
$
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help Log Out...

(kali@kali)~[~/Desktop/Madhavi]
$ iostat
Linux 6.1.0-kali5-amd64 (kali) 04/13/2023 _x86_64_ (3 CPU)

avg-cpu:  %user   %nice %system %iowait  %steal   %idle
           2.30    0.00    3.06    0.54    0.00   94.09

Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd
sda                29.52        753.33        287.06         0.00       576510       219678         0

(kali@kali)~[~/Desktop/Madhavi]
$ netstat
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 104.18.103.100:http    104.18.103.100:http    TIME_WAIT
udp        0      0 10.0.2.2:bootpc        10.0.2.2:bootps        ESTABLISHED

Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags       Type       State       I-Node     Path
unix 3      [ ]         STREAM     CONNECTED   19661
unix 3      [ ]         STREAM     CONNECTED   19056
unix 2      [ ]         DGRAM      19403
unix 3      [ ]         STREAM     CONNECTED   19457
unix 2      [ ]         DGRAM      18929
unix 3      [ ]         STREAM     CONNECTED   18207      /run/user/1000/at-spi/bus_0
unix 3      [ ]         STREAM     CONNECTED   18073
unix 3      [ ]         STREAM     CONNECTED   19211
unix 3      [ ]         STREAM     CONNECTED   14217
unix 3      [ ]         STREAM     CONNECTED   15958      @/tmp/.X11-unix/X0
unix 3      [ ]         STREAM     CONNECTED   17970
unix 3      [ ]         STREAM     CONNECTED   15736      /run/dbus/system_bus_socket
unix 3      [ ]         STREAM     CONNECTED   19490      @/tmp/.X11-unix/X0
unix 3      [ ]         STREAM     CONNECTED   17328
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)~[~/Desktop/Madhavi]
$ ss
Netid      State      Recv-Q     Send-Q               Local Address:Port      Peer Address:Port       Process
u_str      ESTAB      0           0                   * 19661                  * 20545
u_str      ESTAB      0           0                   * 19056                  * 16270
u_str      ESTAB      0           0                   * 19457                  * 19173
u_dgr      ESTAB      0           0                   * 18929                  * 15485
u_str      ESTAB      0           0                   /run/user/1000/at-spi/bus_0 18207 * 18206
u_str      ESTAB      0           0                   * 18073                  * 18074
u_str      ESTAB      0           0                   * 19211                  * 19212
u_str      ESTAB      0           0                   * 14217                  * 14218
u_str      ESTAB      0           1536                  @/tmp/.X11-unix/X0 15958 * 18610
u_str      ESTAB      0           0                   * 17970                  * 16371
u_str      ESTAB      0           0                   /run/dbus/system_bus_socket 15736 * 15735
u_str      ESTAB      0           0                   @/tmp/.X11-unix/X0 19490 * 19489
u_str      ESTAB      0           0                   * 17328                  * 15918
u_str      ESTAB      0           0                   * 18159                  * 18160
u_str      ESTAB      0           0                   * 19189                  * 19190
u_str      ESTAB      0           0                   * 18002                  * 19460
u_str      ESTAB      0           0                   * 19172                  * 18000
u_str      ESTAB      0           0                   * 19733                  * 19734
u_dgr      ESTAB      0           0                   * 18739                  * 18740
u_str      ESTAB      0           0                   * 18418                  * 18419
u_dgr      ESTAB      0           0                   * 11093                  * 15485
u_str      ESTAB      0           0                   * 18314                  * 19626
u_str      ESTAB      0           0                   * 20712                  * 19824
u_str      ESTAB      0           0                   /run/user/1000/bus 19511 * 19214
u_str      ESTAB      0           0                   /run/systemd/journal/stdout 18218 * 19580
u_str      ESTAB      0           0                   /run/user/1000/bus 19090 * 16320
u_str      ESTAB      0           0                   * 17615                  * 17311
u_str      ESTAB      0           0                   * 19202                  * 19203
u_str      ESTAB      0           0                   * 14207                  * 14208
u_str      ESTAB      0           0                   * 19397                  * 19583
u_str      ESTAB      0           0                   * 18204                  * 19354
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)~[~/Desktop/Madhavi]
$ atop
Command 'atop' not found, but can be installed with:
sudo apt install atop
Do you want to install it? (N/y)y
sudo apt install atop
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  atop
0 upgraded, 1 newly installed, 0 to remove and 387 not upgraded.
Need to get 190 kB of archives.
After this operation, 546 kB of additional disk space will be used.
Get:1 http://kali.download/kali kali-rolling/main amd64 atop amd64 2.8.1-1 [190 kB]
Fetched 190 kB in 23s (8,104 B/s)
Selecting previously unselected package atop.
(Reading database ... 392583 files and directories currently installed.)
Preparing to unpack .../atop_2.8.1-1_amd64.deb ...
Unpacking atop (2.8.1-1) ...
Setting up atop (2.8.1-1) ...
update-rc.d: We have no instructions for the atopacct init script.
update-rc.d: It looks like a non-network service, we enable it.
Created symlink /etc/systemd/system/timers.target.wants/atop-rotate.timer → /lib/systemd/system/atop-rotate.timer.
Created symlink /etc/systemd/system/multi-user.target.wants/atop.service → /lib/systemd/system/atop.service.
atopacct.service is a disabled or a static unit, not starting it.
Processing triggers for kali-menu (2023.1.7) ...
Processing triggers for man-db (2.11.2-1) ...

(kali@kali)~[~/Desktop/Madhavi]
$
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)~[~/Desktop/Madhavi]
$ glances
Command 'glances' not found, but can be installed with:
sudo apt install glances
Do you want to install it? (N/y)y
sudo apt install glances
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  python3-docker python3-influxdb python3-pystache
Suggested packages:
  glances-doc python3-pynvml
The following NEW packages will be installed:
  glances python3-docker python3-influxdb python3-pystache
0 upgraded, 4 newly installed, 0 to remove and 387 not upgraded.
Need to get 491 kB of archives.
After this operation, 2,883 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://http.kali.org/kali kali-rolling/main amd64 glances all 3.3.1.1+dfsg-1 [312 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 python3-docker all 5.0.3-1 [90.2 kB]
Get:3 http://kali.download/kali kali-rolling/main amd64 python3-influxdb all 5.3.1-3 [52.2 kB]
Get:4 http://kali.download/kali kali-rolling/main amd64 python3-pystache all 0.6.0-1 [36.4 kB]
Fetched 491 kB in 5s (94.9 kB/s)
Selecting previously unselected package glances.
(Reading database ... 392614 files and directories currently installed.)
Preparing to unpack .../glances_3.3.1.1+dfsg-1_all.deb ...
Unpacking glances (3.3.1.1+dfsg-1) ...
Selecting previously unselected package python3-docker.
Preparing to unpack .../python3-docker_5.0.3-1_all.deb ...
Unpacking python3-docker (5.0.3-1) ...
Selecting previously unselected package python3-influxdb.
Preparing to unpack .../python3-influxdb_5.3.1-3_all.deb ...
Unpacking python3-influxdb (5.3.1-3) ...
Selecting previously unselected package python3-pystache.
```

```
File Actions Edit View Help
update-rc.d: We have no instructions for the glances init script.
update-rc.d: It looks like a network service, we disable it.
glances.service is a disabled or a static unit, not starting it.
Setting up python3-influxdb (5.3.1-3) ...
Setting up python3-docker (5.0.3-1) ...
Setting up python3-pystache (0.6.0-1) ...
Processing triggers for man-db (2.11.2-1) ...
Processing triggers for kali-menu (2023.1.7) ...

(kali@kali)-[~/Desktop/Madhavi]
└─$ nmon
Command 'nmon' not found, but can be installed with:
sudo apt install nmon
Do you want to install it? (N/y)y
sudo apt install nmon
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
nmon
0 upgraded, 1 newly installed, 0 to remove and 387 not upgraded.
Need to get 67.7 kB of archives.
After this operation, 180 kB of additional disk space will be used.
Get:1 http://http.kali.org/kali kali-rolling/main amd64 nmon amd64 16n+debian-1+b1 [67.7 kB]
Fetched 67.7 kB in 3s (25.9 kB/s)
Selecting previously unselected package nmon.
(Reading database ... 392965 files and directories currently installed.)
Preparing to unpack .../nmon_16n+debian-1+b1_amd64.deb ...
Unpacking nmon (16n+debian-1+b1) ...
Setting up nmon (16n+debian-1+b1) ...
Processing triggers for man-db (2.11.2-1) ...
Processing triggers for kali-menu (2023.1.7) ...

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

```
File Actions Edit View Help
(kali@kali)-[~/Desktop/Madhavi]
└─$ ssh
usage: ssh [-46AaCfGgKkMNnqsTtVvXxyY] [-B bind_interface]
          [-b bind_address] [-c cipher_spec] [-D [bind_address:]port]
          [-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
          [-i identity_file] [-J [user@]host[:port]] [-L address]
          [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
          [-Q query_option] [-R address] [-S ctl_path] [-W host:port]
          [-w local_tun[:remote_tun]] destination [command [argument ...]]

(kali@kali)-[~/Desktop/Madhavi]
└─$ sudo
usage: sudo -h | -K | -k | -V
usage: sudo -v [-ABKnS] [-g group] [-h host] [-p prompt] [-u user]
usage: sudo -l [-ABKnS] [-g group] [-h host] [-p prompt] [-u user] [command [arg ...]]
usage: sudo [-ABbEHKnPS] [-r role] [-t type] [-C num] [-D directory] [-g group] [-h host] [-p prompt] [-R directory] [-T timeout] [-u user] [VAR=value] [-i]
          [-s] [command [arg ...]]
usage: sudo -e [-ABKnS] [-r role] [-t type] [-C num] [-D directory] [-g group] [-h host] [-p prompt] [-R directory] [-T timeout] [-u user] file ...

(kali@kali)-[~/Desktop/Madhavi]
└─$ cd
(kali@kali)-[~/]
└─$ pwd
/home/kali

(kali@kali)-[~/]
└─$ cp
cp: missing file operand
Try 'cp --help' for more information.

(kali@kali)-[~/]
└─$ mv
mv: missing file operand
Try 'mv --help' for more information.

(kali@kali)-[~/]
└─$
```

```
File Actions Edit View Help
(kali@kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh Desktop f1.txt file2.txt file3.txt filecount.sh path.sh space.sh test2.sh test.sh

(kali@kali)-[~/Desktop/Madhavi]
└─$ rm f1.txt

(kali@kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh Desktop file2.txt file3.txt filecount.sh path.sh space.sh test2.sh test.sh

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

(kali@kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh Desktop file2.txt file3.txt filecount.sh linux path.sh space.sh test2.sh test.sh

(kali@kali)-[~/Desktop/Madhavi]
└─$ touch f2.txt

(kali@kali)-[~/Desktop/Madhavi]
└─$ ls
command_args.sh Desktop f2.txt file2.txt file3.txt filecount.sh linux path.sh space.sh test2.sh test.sh

(kali@kali)-[~/Desktop/Madhavi]
└─$ man
What manual page do you want?
For example, try 'man man'.

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

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



```
kali@kali: ~/Desktop/Madhavi
MAN(1) Manual pager utils MAN(1)

NAME
  man - an interface to the system reference manuals

SYNOPSIS
  man [man options] [[section] page ...] ...
  man -k [apropos options] regexp ...
  man -K [man options] [section] term ...
  man -f [whatis options] page ...
  man -l [man options] file ...
  man -W|-W [man options] page ...

DESCRIPTION
  man is the system's manual pager. Each page argument given to man is normally the name of a program, utility or function. The manual page associated with each of these arguments is then found and displayed. A section, if provided, will direct man to look only in that section of the manual. The default action is to search in all of the available sections following a pre-defined order (see DEFAULTS), and to show only the first page found, even if page exists in several sections.

  The table below shows the section numbers of the manual followed by the types of pages they contain.

  1 Executable programs or shell commands
  2 System calls (functions provided by the kernel)
  3 Library calls (functions within program libraries)
  4 Special files (usually found in /dev)
  5 File formats and conventions, e.g. /etc/passwd
  6 Games
  7 Miscellaneous (including macro packages and conventions), e.g. man(7), groff(7), man-pages(7)
  8 System administration commands (usually only for root)
  9 Kernel routines [Non standard]

  A manual page consists of several sections.

  Conventional section names include NAME, SYNOPSIS, CONFIGURATION, DESCRIPTION, OPTIONS, EXIT STATUS, RETURN VALUE, ERRORS, ENVIRONMENT, FILES,
Manual page man(1) line 1 (press h for help or q to quit)
```

```
kali@kali: ~/Desktop/Madhavi

(kali@kali)-[~/Desktop/Madhavi]
$ apropos programs
Expect (3tcl) - programmed dialogue with interactive programs, Version 5
apparmor (7) - kernel enhancement to confine programs to a limited set of resources.
CA.pl (1ssl) - friendlier interface for OpenSSL certificate programs
compose (1) - execute programs via entries in the mailcap file
edit (1) - execute programs via entries in the mailcap file
expect (1) - programmed dialogue with interactive programs, Version 5
File::MimeInfo::Applications (3pm) - Find programs to open a file by mimetype
gemfile (5) - A format for describing gem dependencies for Ruby programs
gitremote-helpers (7) - Helper programs to interact with remote repositories
gmake (1) - GNU make utility to maintain groups of programs
gnupg (7) - The GNU Privacy Guard suite of programs
gtk-options (7) - Standard Command Line Options for GTK Programs
gts-config (1) - defines values for programs using gts.
make (1) - GNU make utility to maintain groups of programs
mysql2mysql (1) - convert mSQL programs for use with MySQL
print (1) - execute programs via entries in the mailcap file
ragg2 (1) - radare2 frontend for r_egg, compile programs into tiny binaries for x86-32/64 and arm.
rarun2 (1) - radare2 utility to run programs in exotic environments
run-mailcap (1) - execute programs via entries in the mailcap file
run-parts (8) - run scripts or programs in a directory
see (1) - execute programs via entries in the mailcap file
Spreadsheet::WriteExcel::Examples (3pm) - Spreadsheet::WriteExcel example programs.
start-stop-daemon (8) - start and stop system daemon programs
sysxits.h (3head) - exit codes for programs
systemd-hostnamed (8) - Daemon to control system hostname from programs
systemd-hostnamed.service (8) - Daemon to control system hostname from programs
systemd-run (1) - Run programs in transient scope units, service units, or path-, socket-, or timer-triggered service units
WWW::Mechanize::Examples (3pm) - Sample programs that use WWW::Mechanize

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

```
kali@kali: ~/Desktop/Madhavi
Log Out...

(kali@kali)-[~/Desktop/Madhavi]
$ rsync
rsync version 3.2.7 protocol version 31
Copyright (C) 1996-2022 by Andrew Tridgell, Wayne Davison, and others.
Web site: https://rsync.samba.org/
Capabilities:
  64-bit files, 64-bit inums, 64-bit timestamps, 64-bit long ints,
  socketpairs, symlinks, symtimes, hardlinks, hardlink-specials,
  hardlink-symlinks, IPV6, atimes, batchfiles, inplace, append, ACLs,
  xattrs, optional secluded-args, iconv, prealloc, stop-at, no ctimes
Optimizations:
  SIMD-roll, no asm-roll, openssl-crypto, no asm-MD5
Checksum list:
  xxh128 xxh3 xxh64 (xxhash) md5 md4 sha1 none
Compress list:
  zstd lz4 zlibx zlib none
Daemon auth list:
  sha512 sha256 sha1 md5 md4

rsync comes with ABSOLUTELY NO WARRANTY. This is free software, and you
are welcome to redistribute it under certain conditions. See the GNU
General Public Licence for details.

rsync is a file transfer program capable of efficient remote update
via a fast differencing algorithm.

Usage: rsync [OPTION]... SRC [SRC]... DEST
or rsync [OPTION]... SRC [SRC]... [USER@]HOST:DEST
or rsync [OPTION]... SRC [SRC]... [USER@]HOST::DEST
or rsync [OPTION]... SRC [SRC]... rsync://[USER@]HOST[:PORT]/DEST
or rsync [OPTION]... [USER@]HOST:SRC [DEST]
or rsync [OPTION]... [USER@]HOST::SRC [DEST]
or rsync [OPTION]... rsync://[USER@]HOST[:PORT]/SRC [DEST]
The ':' usages connect via remote shell, while '::' & 'rsync://' usages connect
```



```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)-[~/Desktop/Madhavi]
$ tar xvf f3.tar
tar: f3.tar: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now

(kali@kali)-[~/Desktop/Madhavi]
$ cat >f3.tar
Infobell

(kali@kali)-[~/Desktop/Madhavi]
$ tar xvf f3.tar
tar: This does not look like a tar archive
tar: Exiting with failure status due to previous errors

(kali@kali)-[~/Desktop/Madhavi]
$ tar cvf f3.tar
tar: Cowardly refusing to create an empty archive
Try 'tar --help' or 'tar --usage' for more information.

(kali@kali)-[~/Desktop/Madhavi]
$ tar --help
Usage: tar [OPTION...] [FILE]...
GNU 'tar' saves many files together into a single tape or disk archive, and can restore individual files from the archive.

Examples:
tar -cf archive.tar foo bar # Create archive.tar from files foo and bar.
tar -tvf archive.tar        # List all files in archive.tar verbosely.
tar -xvf archive.tar        # Extract all files from archive.tar.

Main operation mode:
-A, --catenate, --concatenate  append tar files to an archive
-c, --create                   create a new archive
-d, --delete                   delete from the archive (not on mag tapes!)
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

For help, type: gzip -h

(kali@kali)-[~/Desktop/Madhavi]
$ gzip -h
Usage: gzip [OPTION]... [FILE]...
Compress or uncompress FILES (by default, compress FILES in-place).

Mandatory arguments to long options are mandatory for short options too.

-c, --stdout      write on standard output, keep original files unchanged
-d, --decompress  decompress
-f, --force       force overwrite of output file and compress links
-h, --help        give this help
-k, --keep        keep (don't delete) input files
-l, --list        list compressed file contents
-L, --license      display software license
-n, --no-name     do not save or restore the original name and timestamp
-N, --name        save or restore the original name and timestamp
-q, --quiet       suppress all warnings
-r, --recursive   operate recursively on directories
--rsyncable      make rsync-friendly archive
-S, --suffix=SUF use suffix SUF on compressed files
--synchronous   synchronous output (safer if system crashes, but slower)
-t, --test        test compressed file integrity
-v, --verbose     verbose mode
-V, --version     display version number
-1, --fast        compress faster
-9, --best        compress better

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

Report bugs to <bug-gzip@gnu.org>.

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

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)-[~/Desktop/Madhavi]
$ bzip2 -v
bzip2, a block-sorting file compressor. Version 1.0.8, 13-Jul-2019.

Copyright (C) 1996-2019 by Julian Seward.

This program is free software; you can redistribute it and/or modify
it under the terms set out in the LICENSE file, which is included
in the bzip2 source distribution.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
LICENSE file for more details.

(kali@kali)-[~/Desktop/Madhavi]
$ zip
Copyright (c) 1990-2008 Info-ZIP - Type 'zip -L' for software license.
Zip 3.0 (July 5th 2008). Usage:
zip [-options] [-b path] [-t mmdyyy] [-n suffixes] [zipfile list] [-xi list]
The default action is to add or replace zipfile entries from list, which
can include the special name - to compress standard input.
If zipfile and list are omitted, zip compresses stdin to stdout.
-f freshen: only changed files -u update: only changed or new files
-d delete entries in zipfile -m move into zipfile (delete OS files)
-r recurse into directories -j junk (don't record) directory names
-0 store only -l convert LF to CR LF (-ll CR LF to LF)
-1 compress faster -9 compress better
-q quiet operation -v verbose operation/print version info
-c add one-line comments -z add zipfile comment
@ read names from stdin -o make zipfile as old as latest entry
-x exclude the following names -i include only the following names
-F fix zipfile (-FF try harder) -D do not add directory entries
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help
Log Out...

(kali@kali)-[~/Desktop/Madhavi]
$ locate f2.txt

(kali@kali)-[~/Desktop/Madhavi]
$ ps
  PID TTY          TIME CMD
 1448 pts/0    00:00:05 zsh
 19363 pts/0    00:00:00 ps

(kali@kali)-[~/Desktop/Madhavi]
$ crontab -e
crontab: can't open or create /var/run/crontab.pid: Permission denied

(kali@kali)-[~/Desktop/Madhavi]
$ nmcli
eth0: connected to Wired connection 1
      "Intel 82540EM"
      ethernet (e1000), 08:00:27:C7:E1:36, hw, mtu 1500
      ip4 default
      inet4 10.0.2.15/24
      route4 10.0.2.0/24 metric 100
      route4 default via 10.0.2.2 metric 100
      inet6 fe80::4e41:c5ae:8188:78b7/64
      route6 fe80::/64 metric 1024

lo: connected (externally) to lo
      "lo"
      loopback (unknown), 00:00:00:00:00:00, sw, mtu 65536
      inet4 127.0.0.1/8
      inet6 ::1/128
      route6 ::1/128 metric 256

DNS configuration:
  servers: 192.168.188.91
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)-[~/Desktop/Madhavi]
$ ping
ping: usage error: Destination address required

(kali@kali)-[~/Desktop/Madhavi]
$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data:
 64 bytes from 8.8.8.8: icmp_seq=1 ttl=115 time=404 ms
 64 bytes from 8.8.8.8: icmp_seq=2 ttl=115 time=42.2 ms
 64 bytes from 8.8.8.8: icmp_seq=3 ttl=115 time=96.4 ms
 64 bytes from 8.8.8.8: icmp_seq=4 ttl=115 time=125 ms
^C
--- 8.8.8.8 ping statistics ---
 4 packets transmitted, 4 received, 0% packet loss, time 3004ms
 rtt min/avg/max/mdev = 42.194/166.956/404.326/140.226 ms

(kali@kali)-[~/Desktop/Madhavi]
$ traceroute google.com
traceroute to google.com (142.250.182.238), 30 hops max, 60 byte packets
 1  10.0.2.2 (10.0.2.2)  0.705 ms  0.557 ms  0.424 ms
 2  * * *
 3  * * *
 4  * * *
 5  * * *
 6  ^C

(kali@kali)-[~/Desktop/Madhavi]
$ mtr -4b google.com
Command 'mtr' not found, but can be installed with:
sudo apt install mtr
sudo apt install mtr-tiny

(kali@kali)-[~/Desktop/Madhavi]
$ sudo mtr install mtr
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

Command 'mtr' not found, but can be installed with:
sudo apt install mtr
sudo apt install mtr-tiny

(kali@kali)-[~/Desktop/Madhavi]
$ sudo mtr install mtr
[sudo] password for kali:
sudo: mtr: command not found

(kali@kali)-[~/Desktop/Madhavi]
$ sudo mtr install mtr-tiny
sudo: mtr: command not found

(kali@kali)-[~/Desktop/Madhavi]
$ sudo apt install mtr
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  mtr
0 upgraded, 1 newly installed, 0 to remove and 387 not upgraded.
Need to get 88.2 kB of archives.
After this operation, 219 kB of additional disk space will be used.
Get:1 http://kali.download/kali-rolling/main amd64 mtr amd64 0.95-1 [88.2 kB]
Fetched 88.2 kB in 51s (1,720 B/s)
Selecting previously unselected package mtr.
(Reading database ... 392971 files and directories currently installed.)
Preparing to unpack .../archives/mtr_0.95-1_amd64.deb ...
Unpacking mtr (0.95-1) ...
Setting up mtr (0.95-1) ...
Processing triggers for man-db (2.11.2-1) ...
Processing triggers for kali-menu (2023.1.7) ...

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

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help
> "D

(kali@kali)~/Desktop/Madhavi
$ nslookup microsoft.com
Server:      192.168.188.91
Address:     192.168.188.91#53

Non-authoritative answer:
Name:   microsoft.com
Address: 20.112.52.29
Name:   microsoft.com
Address: 20.81.111.85
Name:   microsoft.com
Address: 20.84.181.62
Name:   microsoft.com
Address: 20.103.85.33
Name:   microsoft.com
Address: 20.53.203.50

(kali@kali)~/Desktop/Madhavi
$ host
Usage: host [-aCdIrtVw] [-c class] [-N ndots] [-t type] [-W time]
        [-R number] [-m flag] [-p port] hostname [server]
-a is equivalent to -v -t ANY
-A is like -a but omits RRSIG, NSEC, NSEC3
-c specifies query class for non-IN data
-C compares SOA records on authoritative nameservers
-d is equivalent to -v
-l lists all hosts in a domain, using AXFR
-m set memory debugging flag (trace|record|usage)
-N changes the number of dots allowed before root lookup is done
-p specifies the port on the server to query
-r disables recursive processing
-R specifies number of retries for UDP packets
-s a SERVFAIL response should stop query
-t specifies the query type
-T enables TCP/IP mode
-U enables UDP mode
-v enables verbose output
-V print version number and exit
-w specifies to wait forever for a reply
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help

(kali@kali)~/Desktop/Madhavi
$ dig

;<<>> DiG 9.18.12-1-Debian <<>>
;; global options: +cmd
;; Got answer:
;;->HEADER<- opcode: QUERY, status: NOERROR, id: 27676
;; flags: qr rd ra; QUERY: 1, ANSWER: 13, AUTHORITY: 0, ADDITIONAL: 24

;; OPT PSEUDOSECTION:
;; EDNS: version: 0, flags:; udp: 1280
;; QUESTION SECTION:
; .                               IN      NS

;; ANSWER SECTION:
.      185686 IN      NS      a.root-servers.net.
.      185686 IN      NS      b.root-servers.net.
.      185686 IN      NS      c.root-servers.net.
.      185686 IN      NS      d.root-servers.net.
.      185686 IN      NS      e.root-servers.net.
.      185686 IN      NS      f.root-servers.net.
.      185686 IN      NS      g.root-servers.net.
.      185686 IN      NS      h.root-servers.net.
.      185686 IN      NS      i.root-servers.net.
.      185686 IN      NS      j.root-servers.net.
.      185686 IN      NS      k.root-servers.net.
.      185686 IN      NS      l.root-servers.net.
.      185686 IN      NS      m.root-servers.net.

;; ADDITIONAL SECTION:
a.root-servers.net.  825090 IN      A        198.41.0.4
a.root-servers.net.  825091 IN      AAAA     2001:503:ba3e::2:30
b.root-servers.net.  825762 IN      A        199.9.14.201
b.root-servers.net.  825762 IN      AAAA     2001:500:200::b
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help
curl: try 'curl --help' or 'curl --manual' for more information

(kali@kali)~/Desktop/Madhavi
$ dd
i
h
^H^C0+2 records in
0+0 records out
0 bytes copied, 8.9784 s, 0.0 kB/s

(kali@kali)~/Desktop/Madhavi
$ fdisk
fdisk: bad usage
Try 'fdisk --help' for more information.

(kali@kali)~/Desktop/Madhavi
$ fdisk -l
fdisk: cannot open /dev/sda: Permission denied

(kali@kali)~/Desktop/Madhavi
$ sudo fdisk -l
Disk /dev/sda: 80.09 GiB, 86000000000 bytes, 167968750 sectors
Disk model: VBOX HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: 0xae708d74

Device      Boot Start      End  Sectors  Size Id Type
/dev/sda1   *      2048 167968749 16796702 80.1G 83 Linux

(kali@kali)~/Desktop/Madhavi
$
```



```
File Actions Edit View Help
kali@kali: ~/Desktop/Madhavi

(kali@kali)-[~/Desktop/Madhavi]
└─$ sudo apt-get install parted
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
parted is already the newest version (3.5-3).
parted set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 387 not upgraded.

(kali@kali)-[~/Desktop/Madhavi]
└─$ yum install parted
Command 'yum' not found, did you mean:
  command 'uum' from deb freewin-jserver
  command 'sum' from deb coreutils
  command 'num' from deb quickcal
  command 'zum' from deb perforate
Try: sudo apt install <deb name>

(kali@kali)-[~/Desktop/Madhavi]
└─$ sudo yum install parted
sudo: yum: command not found

(kali@kali)-[~/Desktop/Madhavi]
└─$ parted
WARNING: You are not superuser. Watch out for permissions.
Error: No device found
Retry/Cancel? c

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

```
File Actions Edit View Help
kali@kali: ~

└─$ whois
Usage: whois [OPTION]... OBJECT...

-h HOST, --host HOST    connect to server HOST
-p PORT, --port PORT    connect to PORT
-t                       query whois.iana.org and follow its referral
-H                       hide legal disclaimers
--verbose               explain what is being done
--no-recursion          disable recursion from registry to registrar servers
--help                  display this help and exit
--version               output version information and exit

These flags are supported by whois.ripe.net and some RIPE-like servers:
-l                       find the one level less specific match
-L                       find all levels less specific matches
-m                       find all one level more specific matches
-M                       find all levels of more specific matches
-c                       find the smallest match containing a mnt-irt attribute
-x                       exact match
-b                       return brief IP address ranges with abuse contact
-B                       turn off object filtering (show email addresses)
-G                       turn off grouping of associated objects
-d                       return DNS reverse delegation objects too
-I ATTR[,ATTR]...       do an inverse look-up for specified ATTRIBUTES
-T TYPE[,TYPE]...       only look for objects of TYPE
-K                       only primary keys are returned
-r                       turn off recursive look-ups for contact information
-R                       force to show local copy of the domain object even
                        if it contains referral
-a                       also search all the mirrored databases
-s SOURCE[,SOURCE]...   search the database mirrored from SOURCE
-g SOURCE:FIRST-LAST    find updates from SOURCE from serial FIRST to LAST
-t TYPE                 request template for object of TYPE
-v TYPE                 request verbose template for object of TYPE
-q [version|sources|types] query specified server info

(kali@kali)-[~]
└─$
```

```
File Actions Edit View Help
kali@kali: ~/Desktop/Madhavi

└─$ fsck
fsck from util-linux 2.38.1
e2fsck 1.46.6 (1-Feb-2023)
/dev/sda1 is mounted.

WARNING!!! The filesystem is mounted.  If you continue you **WILL**
cause **SEVERE** filesystem damage.

Do you really want to continue<=>? no
check aborted.

(kali@kali)-[~]
└─$ c
c: command not found

(kali@kali)-[~]
└─$ nc
nc
cmd line: kali
no port[s] to connect to

(kali@kali)-[~]
└─$ umask
022

(kali@kali)-[~]
└─$ cd Desktop

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

(kali@kali)-[~/Desktop/Madhavi]
└─$ chown kali f2.txt

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

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help
Log Out...

(kali@kali)-[~/Desktop/Madhavi]
$ sudo useradd kali
[sudo] password for kali:
useradd: user 'kali' already exists

(kali@kali)-[~/Desktop/Madhavi]
$ sudo useradd madhavi

(kali@kali)-[~/Desktop/Madhavi]
$ sudo userdel madhavi

(kali@kali)-[~/Desktop/Madhavi]
$ sudo usermod madhavi
usermod: user 'madhavi' does not exist

(kali@kali)-[~/Desktop/Madhavi]
$ sudo usermod kali
usermod: no options
Usage: usermod [options] LOGIN

Options:
-a, --append                append the user to the supplemental GROUPS
                             mentioned by the -G option without removing
                             the user from other groups
-b, --badname               allow bad names
-c, --comment COMMENT       new value of the GECOS field
-d, --home HOME_DIR         new home directory for the user account
-e, --expiredate EXPIRE_DATE set account expiration date to EXPIRE_DATE
-f, --inactive INACTIVE     set password inactive after expiration
                             to INACTIVE
-g, --gid GROUP             force use GROUP as new primary group
-G, --groups GROUPS         new list of supplementary GROUPS
-h, --help                  display this help message and exit
-l, --login NEW_LOGIN       new value of the login name
-L, --lock                  lock the user account
-m, --move-home             move contents of the home directory to the
                             new location (use only with -d)

(kali@kali)-[~/Desktop/Madhavi]
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help
Log Out...

Usage: usermod [options] LOGIN

Options:
-a, --append                append the user to the supplemental GROUPS
                             mentioned by the -G option without removing
                             the user from other groups
-b, --badname               allow bad names
-c, --comment COMMENT       new value of the GECOS field
-d, --home HOME_DIR         new home directory for the user account
-e, --expiredate EXPIRE_DATE set account expiration date to EXPIRE_DATE
-f, --inactive INACTIVE     set password inactive after expiration
                             to INACTIVE
-g, --gid GROUP             force use GROUP as new primary group
-G, --groups GROUPS         new list of supplementary GROUPS
-h, --help                  display this help message and exit
-l, --login NEW_LOGIN       new value of the login name
-L, --lock                  lock the user account
-m, --move-home             move contents of the home directory to the
                             new location (use only with -d)
-o, --non-unique            allow using duplicate (non-unique) UID
-p, --password PASSWORD     use encrypted password for the new password
-r, --prefix PREFIX_DIR     prefix directory where are located the /etc/* files
-R, --remove               remove the user from only the supplemental GROUPS
                             mentioned by the -G option without removing
                             the user from other groups
-s, --root CHROOT_DIR       directory to chroot into
-S, --shell SHELL           new login shell for the user account
-u, --uid UID               new UID for the user account
-U, --unlock                unlock the user account
-v, --add-subuids FIRST-LAST add range of subordinate uids
-V, --del-subuids FIRST-LAST remove range of subordinate uids
-w, --add-subgids FIRST-LAST add range of subordinate gids
-W, --del-subgids FIRST-LAST remove range of subordinate gids
-Z, --selinux-user SEUSER   new SELinux user mapping for the user account

(kali@kali)-[~/Desktop/Madhavi]
```

```
kali@kali: ~/Desktop/Madhavi
File Actions Edit View Help
Log Out...

$ vi f5.txt

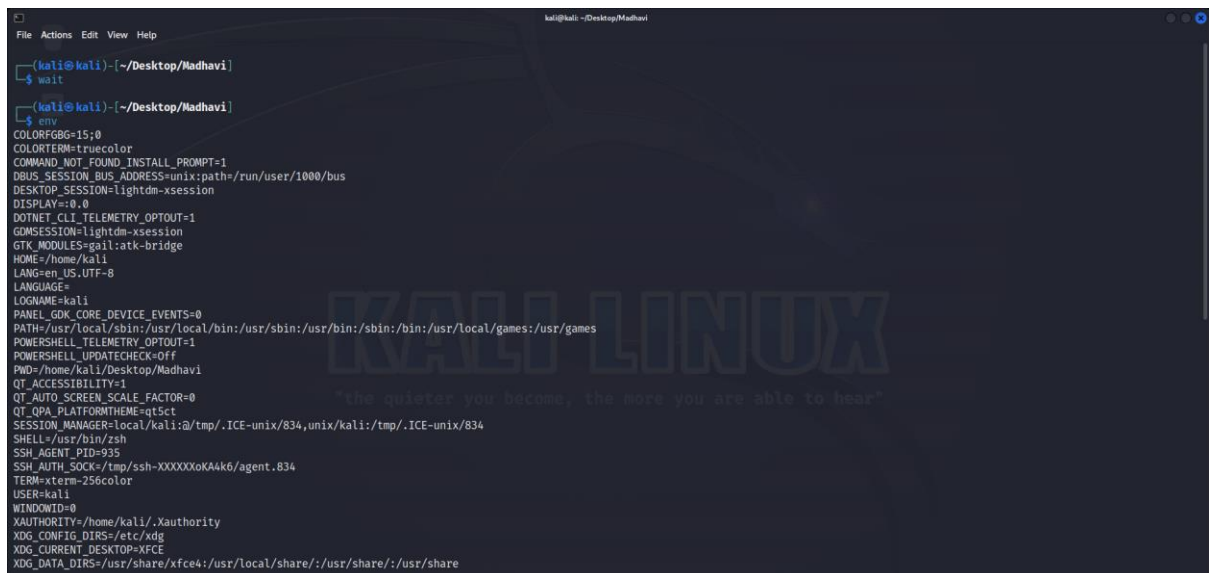
(kali@kali)-[~/Desktop/Madhavi]
$ cat f6.txt
cat: f6.txt: No such file or directory

(kali@kali)-[~/Desktop/Madhavi]
$ cat > f6.txt
Madhavi Suratkar

(kali@kali)-[~/Desktop/Madhavi]
$ killall -n
Usage: killall [OPTION]... [--] NAME ...
       killall -l, --list
       killall -V, --version

-e, --exact                require exact match for very long names
-I, --ignore-case          case insensitive process name match
-g, --process-group        kill process group instead of process
-y, --younger-than         kill processes younger than TIME
-o, --older-than           kill processes older than TIME
-i, --interactive          ask for confirmation before killing
-l, --list                 list all known signal names
-q, --quiet                don't print complaints
-r, --regex                interpret NAME as an extended regular expression
-s, --signal SIGNAL        send this signal instead of SIGTERM
-u, --user USER            kill only process(es) running as USER
-v, --verbose              report if the signal was successfully sent
-V, --version              display version information
-w, --wait                 wait for processes to die
-n, --ns PID               match processes that belong to the same namespaces
                           as PID
-Z, --context REGEXP       kill only process(es) having context
                           (must precede other arguments)

(kali@kali)-[~/Desktop/Madhavi]
```




```
File Actions Edit View Help
74 bash command_args.sh
75 ./command_args.sh
76 mkfs
77 whois
78 clear
79 fsck
80 c
81 nc
82 umask
83 cd Desktop
84 cd Madhavi
85 chown kali f2.txt
86 clear
87 sudo useradd kali
88 sudo useradd madhavi
89 sudo userdel madhavi
90 sudo usermod madhavi
91 sudo usermod kali
92 clear
93 vi f5.txt
94 cat f6.txt
95 cat f2.txt
96 tac f2.txt
97 kill
98 sleep
99 sleep f2.txt
100 clear
101 vi f5.txt
102 cat f6.txt
103 cat > f6.txt
104 killall -n
105 clear
106 wait
107 env
108 clear

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

KALI LINUX
"the quieter you become, the more you are able to hear"