

Modul : 5

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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan
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0.000000 BIOS-e820: [mem 0x000000000100000-0x00000000720c5fff] usable
0.000000 BIOS-e820: [mem 0x00000000720c6000-0x00000000720c6fff] ACPI NVS
0.000000 BIOS-e820: [mem 0x00000000720c7000-0x00000000720c7fff] reserved
0.000000 BIOS-e820: [mem 0x00000000720c8000-0x0000000089bdcfff] usable
0.000000 BIOS-e820: [mem 0x0000000089bdc000-0x0000000089dedfff] type 20
0.000000 BIOS-e820: [mem 0x0000000089ded000-0x000000008a8dffff] reserved
0.000000 BIOS-e820: [mem 0x000000008a8d8000-0x000000008af7dfff] ACPI NVS
0.000000 BIOS-e820: [mem 0x000000008af7e000-0x000000008affdfff] ACPI data
0.000000 BIOS-e820: [mem 0x000000008affe000-0x000000008affffff] usable
0.000000 BIOS-e820: [mem 0x000000008afff000-0x000000008fffffffff] reserved
0.000000 BIOS-e820: [mem 0x00000000c0000000-0x00000000ffffffff] reserved
0.000000 BIOS-e820: [mem 0x00000000fd000000-0x00000000fec7ffff] reserved
0.000000 BIOS-e820: [mem 0x00000000fec00000-0x00000000fec00fff] reserved

root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# uptime
00:59:45 up 1:23, 1 user, load average: 0.27, 0.12, 0.04
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# whoami
root
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# who
vintan tty2 2019-11-05 23:38 (:1)
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# id
uid=0(root) gid=0(root) groups=0(root)
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# last
vintan tty2 :1 Tue Nov 5 23:38 still logged in
reboot system boot 4.15.0-30-generic Tue Nov 5 23:36 still running
vintan tty2 :1 Tue Nov 5 22:17 - down (00:46)
vintan tty2 :1 Tue Nov 5 22:00 - 22:15 (00:15)
reboot system boot 4.15.0-30-generic Tue Nov 5 21:57 - 23:04 (01:07)
vintan tty2 :1 Sat Oct 19 05:39 - down (00:00)
reboot system boot 4.15.0-30-generic Sat Oct 19 05:37 - 05:39 (00:01)
reboot system boot 4.15.0-30-generic Tue Oct 15 14:42 - 05:39 (3+14:56)
reboot system boot 4.15.0-30-generic Sun Oct 13 22:17 - 22:18 (00:01)
reboot system boot 4.15.0-30-generic Sun Oct 13 20:06 - 20:07 (00:01)
reboot system boot 4.15.0-30-generic Sat Oct 12 09:43 - 09:44 (00:01)
vintan tty2 :1 Fri Oct 11 02:38 - down (00:04)
reboot system boot 4.15.0-30-generic Fri Oct 11 02:36 - 02:43 (00:07)

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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan

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reboot system boot 4.15.0-30-generi Fri Oct 11 02:36 - 02:43 (00:07)
vintan tty2 :1 Fri Sep 20 03:13 - down (00:04)
reboot system boot 4.15.0-30-generi Fri Sep 20 03:12 - 03:18 (00:05)
reboot system boot 4.15.0-30-generi Thu Sep 19 16:22 - 16:23 (00:00)
reboot system boot 4.15.0-30-generi Thu Sep 19 15:58 - 16:23 (00:24)
vintan tty2 :1 Thu Sep 19 11:48 - down (00:00)
reboot system boot 4.15.0-30-generi Thu Sep 19 11:47 - 11:48 (00:01)
vintan tty2 :1 Thu Sep 19 11:45 - crash (00:01)
reboot system boot 4.15.0-30-generi Thu Sep 19 11:44 - 11:48 (00:04)
vintan tty2 :1 Wed Sep 18 02:33 - down (17:14)
vintan tty2 :1 Wed Sep 18 02:15 - 02:24 (00:08)
reboot system boot 4.15.0-30-generi Wed Sep 18 02:14 - 19:47 (17:32)
vintan tty2 :1 Tue Sep 17 19:47 - 19:48 (00:00)
reboot system boot 4.15.0-30-generi Tue Sep 17 19:46 - 19:47 (1+00:00)

wtmp begins Tue Sep 17 19:46:50 2019
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# finger
The program 'finger' is currently not installed. You can install it by typing:
apt install finger
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# w
01:03:37 up 1:27, 1 user, load average: 0,42, 0,26, 0,11
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
vintan tty2 :1 23:38 1:27m 2:33 5.67s /usr/lib/gnome-terminal/gnome-terminal-server
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# top
top - 01:03:58 up 1:27, 1 user, load average: 0,38, 0,26, 0,11
Tasks: 255 total, 1 running, 181 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0,2 us, 0,2 sy, 0,0 ni, 99,6 id, 0,0 wa, 0,0 hi, 0,0 si, 0,0 st
KiB Mem : 3919896 total, 1770168 free, 706844 used, 1442884 buff/cache
KiB Swap: 999932 total, 999932 free, 0 used, 2676884 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM     TIME+ COMMAND
 1258 vintan    20   0 742844 104800 75828 S   1,3   2,7   0:46.71 Xorg
 1427 vintan    20   0 2190116 212544 82376 S   1,0   5,4   1:25.96 gnome-shell
 1374 vintan    20   0 42896   3588  3180 S   0,7   0,1   0:00.11 dbus-daemon
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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan

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1427 vintan    20   0 2190244 212556 82380 S   1,3   5,4   1:26.95 gnome-shell
1258 vintan    20   0 742676 104608 75636 S   1,0   2,7   0:47.68 Xorg
23547 root       20   0 49004   3724  3096 R   0,7   0,1   0:00.12 top
22912 vintan    20   0 518032  37780 27896 S   0,3   1,0   0:06.50 gnome-terminal-
 1 root       20   0 185100   5780 4052 S   0,0   0,1   0:02.17 systemd
 2 root       20   0 0 0 0 S   0,0   0,0   0:00.01 kthreadd
 4 root       20  -20 0 0 0 I   0,0   0,0   0:00.00 kworker/0:0H
 6 root       20  -20 0 0 0 I   0,0   0,0   0:00.00 mm_percpu_wq
 7 root       20   0 0 0 0 S   0,0   0,0   0:00.00 ksoftirqd/0
 8 root       20   0 0 0 0 I   0,0   0,0   0:01.50 rcu_sched
 9 root       20   0 0 0 0 I   0,0   0,0   0:00.00 rcu_bh
10 root       rt   0 0 0 0 S   0,0   0,0   0:00.00 migration/0
11 root       rt   0 0 0 0 S   0,0   0,0   0:00.01 watchdog/0
12 root       20   0 0 0 0 S   0,0   0,0   0:00.00 cpuhp/0
13 root       20   0 0 0 0 S   0,0   0,0   0:00.00 cpuhp/1
14 root       rt   0 0 0 0 S   0,0   0,0   0:00.01 watchdog/1
15 root       rt   0 0 0 0 S   0,0   0,0   0:00.00 migration/1
16 root       20   0 0 0 0 S   0,0   0,0   0:00.00 ksoftirqd/1
18 root       0 -20 0 0 0 I   0,0   0,0   0:00.00 kworker/1:0H
19 root       20   0 0 0 0 S   0,0   0,0   0:00.00 cpuhp/2
20 root       rt   0 0 0 0 S   0,0   0,0   0:00.01 watchdog/2
21 root       rt   0 0 0 0 S   0,0   0,0   0:00.00 migration/2
22 root       20   0 0 0 0 S   0,0   0,0   0:00.01 ksoftirqd/2
24 root       0 -20 0 0 0 I   0,0   0,0   0:00.00 kworker/2:0H
25 root       20   0 0 0 0 S   0,0   0,0   0:00.00 cpuhp/3
26 root       rt   0 0 0 0 S   0,0   0,0   0:00.01 watchdog/3
27 root       rt   0 0 0 0 S   0,0   0,0   0:00.00 migration/3
28 root       20   0 0 0 0 S   0,0   0,0   0:00.00 ksoftirqd/3

root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# echo $$SHELL
/bin/bash
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# echo {con,pre}{sent,fer}{s,ed}
consents consented confers conferred presents presented prefers preferred
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# man is
No manual entry for is
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan#
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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan
File Edit View Search Terminal Help
WHO(1) User Commands WHO(1)
NAME
  who - show who is logged on
SYNOPSIS
  who [OPTION]... [ FILE | ARG1 ARG2 ]
DESCRIPTION
  Print information about users who are currently logged in.
  -a, --all
      same as -b -d --login -p -r -t -T -u
  -b, --boot
      time of last system boot
  -d, --dead
      print dead processes
  -H, --heading
      print line of column headings
  --ips
      print ips instead of hostnames. with --lookup, canonicalizes based on stored IP, if available, rather than stored hostname
  -l, --login
      print system login processes
  --lookup
      attempt to canonicalize hostnames via DNS
  -m
      only hostname and user associated with stdin
  -p, --process
Manual page who(1) line 1 (press h for help or q to quit)
```

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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan
File Edit View Search Terminal Help
No manual entry for is
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# man who
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# who can tell me about linux
who: extra operand 'me'
Try 'who --help' for more information.
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# last
vintan    tty2        :1               Tue Nov  5 23:38   still logged in
reboot    system boot  4.15.0-30-gener Tue Nov  5 23:36   still running
vintan    tty2        :1               Tue Nov  5 22:17   - down (00:46)
vintan    tty2        :1               Tue Nov  5 22:00   - 22:15 (00:15)
reboot    system boot  4.15.0-30-gener Tue Nov  5 21:57   - 23:04 (01:07)
vintan    tty2        :1               Sat Oct 19 05:39   - down (00:00)
reboot    system boot  4.15.0-30-gener Sat Oct 19 05:37   - 05:39 (00:01)
reboot    system boot  4.15.0-30-gener Tue Oct 15 14:42   - 05:39 (3+14:55)
reboot    system boot  4.15.0-30-gener Sun Oct 13 22:17   - 22:18 (00:01)
reboot    system boot  4.15.0-30-gener Sun Oct 13 20:06   - 20:07 (00:01)
reboot    system boot  4.15.0-30-gener Sat Oct 12 09:43   - 09:44 (00:01)
vintan    tty2        :1               Fri Oct 11 02:38   - down (00:04)
reboot    system boot  4.15.0-30-gener Fri Oct 11 02:36   - 02:43 (00:07)
vintan    tty2        :1               Fri Sep 20 03:13   - down (00:04)
reboot    system boot  4.15.0-30-gener Fri Sep 20 03:12   - 03:18 (00:05)
reboot    system boot  4.15.0-30-gener Thu Sep 19 16:22   - 16:23 (00:00)
reboot    system boot  4.15.0-30-gener Thu Sep 19 15:58   - 16:23 (00:24)
vintan    tty2        :1               Thu Sep 19 11:48   - down (00:00)
reboot    system boot  4.15.0-30-gener Thu Sep 19 11:47   - 11:48 (00:01)
vintan    tty2        :1               Thu Sep 19 11:45   - crash (00:01)
reboot    system boot  4.15.0-30-gener Thu Sep 19 11:44   - 11:48 (00:04)
vintan    tty2        :1               Wed Sep 18 02:33   - down (17:14)
vintan    tty2        :1               Wed Sep 18 02:15   - 02:24 (00:08)
reboot    system boot  4.15.0-30-gener Wed Sep 18 02:14   - 19:47 (17:32)
vintan    tty2        :1               Tue Sep 17 19:47   - 19:48 (00:00)
reboot    system boot  4.15.0-30-gener Tue Sep 17 19:46   - 19:47 (1+00:00)

wtmp begins Tue Sep 17 19:46:50 2019
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan#
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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan

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root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# fdisk -l
fdisk: invalid option -- 'l'

Usage:
  fdisk [options] <disk>      change partition table
  fdisk [options] -l [<disk>] list partition table(s)

Display or manipulate a disk partition table.

Options:
  -b, --sector-size <size>      physical and logical sector size
  -B, --protect-boot             don't erase bootbits when create a new label
  -c, --compatibility[=<mode>]   mode is 'dos' or 'nondos' (default)
  -L, --color[=<when>]          colorize output (auto, always or never)
                                colors are enabled by default
  -l, --list                     display partitions and exit
  -o, --output <list>           output columns
  -t, --type <type>             recognize specified partition table type only
  -u, --units[=<unit>]          display units: 'cylinders' or 'sectors' (default)
  -s, --getsz                   display device size in 512-byte sectors [DEPRECATED]
  --bytes                       print SIZE in bytes rather than in human readable format

  -C, --cylinders <number>      specify the number of cylinders
  -H, --heads <number>          specify the number of heads
  -S, --sectors <number>        specify the number of sectors per track

  -h, --help                    display this help and exit
  -V, --version                 output version information and exit

Available columns (for -o):
gpt: Device Start End Sectors Size Type Type-UUID Attrs Name UUID
dos: Device Start End Sectors Cylinders Size Type Id Attrs Boot End-C/H/S Start-C/H/S
bsd: Slice Start End Sectors Cylinders Size Type Bsize Cpg Fsize
sgi: Device Start End Sectors Cylinders Size Type Id Attrs

Rab 01:07
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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan

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For more details see fdisk(8).
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# user
No command 'user' found, did you mean:
  Command 'userv' from package 'userv' (universe)
  Command 'users' from package 'coreutils' (main)
  Command 'kuser' from package 'kuser' (universe)
  Command 'fuser' from package 'psmisc' (main)
user: command not found
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# cat/etc/fstab
bash: cat/etc/fstab: No such file or directory
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# cal 2000
      2000
      Januari      Februari      Maret
Mi Se Se Ra Ka Ju Sa  Mi Se Se Ra Ka Ju Sa  Mi Se Se Ra Ka Ju Sa
      1              1 2 3 4 5              1 2 3 4
2 3 4 5 6 7 8        6 7 8 9 10 11 12    5 6 7 8 9 10 11
9 10 11 12 13 14 15   13 14 15 16 17 18 19 12 13 14 15 16 17 18
16 17 18 19 20 21 22 20 21 22 23 24 25 26 19 20 21 22 23 24 25
23 24 25 26 27 28 29 27 28 29            26 27 28 29 30 31
30 31

      April      Mei      Juni
Mi Se Se Ra Ka Ju Sa  Mi Se Se Ra Ka Ju Sa  Mi Se Se Ra Ka Ju Sa
      1              1 2 3 4 5 6              1 2 3
2 3 4 5 6 7 8        7 8 9 10 11 12 13    4 5 6 7 8 9 10
9 10 11 12 13 14 15   14 15 16 17 18 19 20 11 12 13 14 15 16 17
16 17 18 19 20 21 22 21 22 23 24 25 26 27 18 19 20 21 22 23 24
23 24 25 26 27 28 29 28 29 30 31          25 26 27 28 29 30
30

      Juli      Agustus      September
Mi Se Se Ra Ka Ju Sa  Mi Se Se Ra Ka Ju Sa  Mi Se Se Ra Ka Ju Sa
      1              1 2 3 4 5              1 2
2 3 4 5 6 7 8        6 7 8 9 10 11 12    3 4 5 6 7 8 9

Rab 01:08
```



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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan

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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan# pwd
/home/vintan
root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan# history
1 nanacantik123
2 cls
3 clear
4 echo halo dunia
5 date
6 hostname
7 arch
8 uname-a
9 uname -a
10 cls
11 close
12 clear
13 echo halo dunia
14 date
15 hostname
16 arch
17 uname -a
18 dmesg | more
19 uptime
20 whoami
21 who
22 id
23 last
24 finger
25 w
26 top
27 echo $SHELL
28 echo {con,pre}{sent,fer}{s,ed}
29 man is
30 man who
31 who can tell me about linux
32 last
```

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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan

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dm_crypt          40960 1
snd_soc_sk1       90112 0
snd_soc_sk1_ipc   65536 1 snd_soc_sk1
snd_hda_ext_core  24576 1 snd_soc_sk1
snd_soc_sst_dsp   32768 1 snd_soc_sk1_ipc
snd_soc_sst_ipc   16384 1 snd_soc_sk1_ipc
snd_hda_codec_hdmi 49152 1
snd_soc_acpi      16384 1 snd_soc_sk1
snd_hda_codec_realtek 98304 1
uvcvideo          86016 0
wl                6447104 0
snd_hda_codec_generic 73728 1 snd_hda_codec_realtek
videobuf2_vmalloc 16384 1 uvcvideo
videobuf2_memops  16384 1 videobuf2_vmalloc
videobuf2_v4l2    24576 1 uvcvideo
snd_soc_core      241664 1 snd_soc_sk1
snd_compress      20480 1 snd_soc_core
ac97_bus          16384 1 snd_soc_core
snd_pcm_dmaengine 16384 1 snd_soc_core
snd_hda_intel     40960 6
snd_hda_codec     126976 4 snd_hda_intel,snd_hda_codec_hdmi,snd_hda_codec_generic,snd_hda_codec_realtek
snd_hda_core      81920 7 snd_hda_intel,snd_hda_codec,snd_hda_ext_core,snd_soc_sk1,snd_hda_codec_hdmi,snd_hda_codec_generic,snd_hda_codec_realtek
snd_hwdep         20480 1 snd_hda_codec
videobuf2_core    40960 2 uvcvideo,videobuf2_v4l2
snd_pcm           98304 8 snd_hda_intel,snd_hda_codec,snd_pcm_dmaengine,snd_hda_ext_core,snd_hda_core,snd_soc_sk1,snd_hda_codec_hdmi,snd_soc_core
efg80211          622592 1 wl
snd_seq_midi       16384 0
snd_seq_midi_event 16384 1 snd_seq_midi
snd_rawmidi       32768 1 snd_seq_midi
snd_seq           65536 2 snd_seq_midi_event,snd_seq_midi
intel_rapl        20480 0
x86_pkg_temp_thermal 16384 0
intel_powerclamp  16384 0
```

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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan

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vintan 22529 0.0 0.1 68376 5248 tty2 S+ Nov05 0:00 /usr/lib/x86_64-linux-gnu/gconf/gconfd-2
root 22577 0.0 0.0 43600 2600 ? S Nov05 0:00 dbus-launch --autolaunch=1bdfda59f9fb4cc6ab1f9b880c37c186 --binary-syntax --close-st
root 22578 0.0 0.0 42764 2484 ? Ss Nov05 0:00 /usr/bin/dbus-daemon --fork --print-pid 5 --print-address 7 --session
root 22581 0.0 0.1 178560 4580 ? S1 Nov05 0:00 /usr/lib/dconf/dconf-service
root 22825 0.0 0.0 0 0 ? I Nov05 0:00 [kworker/5:1]
root 22893 0.0 0.7 209556 28992 ? S1 00:02 0:00 python3 /usr/lib/software-properties/software-properties-dbus
vintan 22912 0.4 1.1 526124 43376 tty2 Rl+ 00:02 0:17 /usr/lib/gnome-terminal/gnome-terminal-server
vintan 23034 0.0 0.1 29540 5068 pts/1 Ss 00:21 0:00 bash
root 23061 0.0 0.0 0 0 ? I 00:28 0:00 [kworker/u16:2]
root 23075 0.0 0.2 263648 7984 ? S1 00:31 0:00 gdm-session-worker [pam/gdm-password]
root 23142 0.0 0.0 0 0 ? I 00:39 0:00 [kworker/1:0]
root 23164 0.0 0.0 0 0 ? I 00:47 0:00 [kworker/u16:1]
root 23193 0.0 0.0 0 0 ? I 00:55 0:00 [kworker/u16:0]
root 23241 0.0 0.1 88324 4448 pts/1 S 00:57 0:00 sudo su
root 23242 0.0 0.1 79776 4260 pts/1 S 00:57 0:00 su
root 23243 0.0 0.0 28284 3812 pts/1 S 00:57 0:00 bash
root 23286 0.0 0.0 0 0 ? I 01:00 0:00 [kworker/7:0]
root 23287 0.0 0.0 0 0 ? I 01:00 0:00 [kworker/1:2]
root 23301 0.0 0.0 0 0 ? I 01:01 0:00 [kworker/2:0]
root 23506 0.0 0.0 0 0 ? I 01:01 0:00 [kworker/3:0]
root 23512 0.0 0.0 0 0 ? I 01:02 0:00 [kworker/4:1]
root 23536 0.0 0.0 0 0 ? I 01:03 0:00 [kworker/5:0]
root 23548 0.0 0.0 0 0 ? I 01:03 0:00 [kworker/6:1]
root 23597 0.0 0.0 0 0 ? I 01:06 0:00 [kworker/0:1]
root 23603 0.0 0.0 0 0 ? I 01:06 0:00 [kworker/7:2]
root 23606 0.0 0.0 0 0 ? I 01:07 0:00 [kworker/1:1]
root 23620 0.0 0.0 0 0 ? I 01:08 0:00 [kworker/4:0]
root 23624 0.0 0.0 0 0 ? I 01:08 0:00 [kworker/5:2]
root 23634 0.0 0.0 0 0 ? I 01:09 0:00 [kworker/6:0]
root 23645 0.5 0.0 0 0 ? I 01:09 0:00 [kworker/u16:3]
root 23647 0.7 0.0 0 0 ? I 01:09 0:00 [kworker/u16:4]
root 23648 0.4 0.0 0 0 ? I 01:09 0:00 [kworker/u16:5]
root 23673 0.0 0.0 0 0 ? I 01:11 0:00 [kworker/2:1]
root 23678 1.0 0.0 44436 3364 pts/1 R+ 01:11 0:00 ps -axu
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan#
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root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan

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root 23536 0.0 0.0 0 0 ? I 01:03 0:00 [kworker/5:0]
root 23548 0.0 0.0 0 0 ? I 01:03 0:00 [kworker/6:1]
root 23597 0.0 0.0 0 0 ? I 01:06 0:00 [kworker/0:1]
root 23603 0.0 0.0 0 0 ? I 01:06 0:00 [kworker/7:2]
root 23606 0.0 0.0 0 0 ? I 01:07 0:00 [kworker/1:1]
root 23620 0.0 0.0 0 0 ? I 01:08 0:00 [kworker/4:0]
root 23624 0.0 0.0 0 0 ? I 01:08 0:00 [kworker/5:2]
root 23634 0.0 0.0 0 0 ? I 01:09 0:00 [kworker/6:0]
root 23645 0.5 0.0 0 0 ? I 01:09 0:00 [kworker/u16:3]
root 23647 0.7 0.0 0 0 ? I 01:09 0:00 [kworker/u16:4]
root 23648 0.4 0.0 0 0 ? I 01:09 0:00 [kworker/u16:5]
root 23673 0.0 0.0 0 0 ? I 01:11 0:00 [kworker/2:1]
root 23678 1.0 0.0 44436 3364 pts/1 R+ 01:11 0:00 ps -axu
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# lspci
00:00.0 Host bridge: Intel Corporation Device 5914 (rev 08)
00:02.0 VGA compatible controller: Intel Corporation Device 5917 (rev 07)
00:04.0 Signal processing controller: Intel Corporation Skylake Processor Thermal Subsystem (rev 08)
00:08.0 System peripheral: Intel Corporation Sky Lake Gaussian Mixture Model
00:14.0 USB controller: Intel Corporation Sunrise Point-LP USB 3.0 xHCI Controller (rev 21)
00:14.2 Signal processing controller: Intel Corporation Sunrise Point-LP Thermal subsystem (rev 21)
00:15.0 Signal processing controller: Intel Corporation Sunrise Point-LP Serial I/O I2C Controller (rev 21)
00:15.1 Signal processing controller: Intel Corporation Sunrise Point-LP Serial I/O I2C Controller (rev 21)
00:16.0 Communication controller: Intel Corporation Sunrise Point-LP CSME HECI (rev 21)
00:17.0 RAID bus controller: Intel Corporation Device 9d80 Mobile SATA Controller [RAID mode] (rev 21)
00:1c.0 PCI bridge: Intel Corporation Device 9d10 (rev f1)
00:1c.4 PCI bridge: Intel Corporation Sunrise Point-LP PCI Express Root Port (rev f1)
00:1c.5 PCI bridge: Intel Corporation Sunrise Point-LP PCI Express Root Port (rev f1)
00:1f.0 ISA bridge: Intel Corporation Device 9d4e (rev 21)
00:1f.2 Memory controller: Intel Corporation Sunrise Point-LP PMC (rev 21)
00:1f.3 Audio device: Intel Corporation Device 9d71 (rev 21)
00:1f.4 SMBus: Intel Corporation Sunrise Point-LP SMBus (rev 21)
01:00.0 Display controller: Advanced Micro Devices, Inc. [AMD/ATI] Topaz XT [Radeon R7 M260/M265] (rev c3)
02:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 15)
03:00.0 Network controller: Realtek Semiconductor Co., Ltd. Device d723
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan#
```

```
root@vintan-HP-Laptop-14s-cf0xxx: /home/vintan
File Edit View Search Terminal Help

root 23673 0.0 0.0 0 0 ? I 01:11 0:00 [kworker/2:1]
root 23678 1.0 0.0 44436 3364 pts/1 R+ 01:11 0:00 ps -axu
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# lspci
00:00.0 Host bridge: Intel Corporation Device 5914 (rev 08)
00:02.0 VGA compatible controller: Intel Corporation Device 5917 (rev 07)
00:04.0 Signal processing controller: Intel Corporation Skylake Processor Thermal Subsystem (rev 08)
00:08.0 System peripheral: Intel Corporation Sky Lake Gaussian Mixture Model
00:14.0 USB controller: Intel Corporation Sunrise Point-LP USB 3.0 xHCI Controller (rev 21)
00:14.2 Signal processing controller: Intel Corporation Sunrise Point-LP Thermal subsystem (rev 21)
00:15.0 Signal processing controller: Intel Corporation Sunrise Point-LP Serial IO I2C Controller (rev 21)
00:15.1 Signal processing controller: Intel Corporation Sunrise Point-LP Serial IO I2C Controller (rev 21)
00:16.0 Communication controller: Intel Corporation Sunrise Point-LP CSME HECI (rev 21)
00:17.0 RAID bus controller: Intel Corporation 82801 Mobile SATA Controller [RAID mode] (rev 21)
00:1c.0 PCI bridge: Intel Corporation Device 9d10 (rev f1)
00:1c.4 PCI bridge: Intel Corporation Sunrise Point-LP PCI Express Root Port (rev f1)
00:1c.5 PCI bridge: Intel Corporation Sunrise Point-LP PCI Express Root Port (rev f1)
00:1f.0 ISA bridge: Intel Corporation Device 9d4e (rev 21)
00:1f.2 Memory controller: Intel Corporation Sunrise Point-LP PMC (rev 21)
00:1f.3 Audio device: Intel Corporation Device 9d71 (rev 21)
00:1f.4 SMBus: Intel Corporation Sunrise Point-LP SMBus (rev 21)
01:00.0 Display controller: Advanced Micro Devices, Inc. [AMD/ATI] Topaz XT [Radeon R7 M260/M265] (rev c3)
02:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 15)
03:00.0 Network controller: Realtek Semiconductor Co., Ltd. Device d723
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# free
              total        used        free      shared  buff/cache   available
Mem:           3919896       716164       1757468       238760       1446264       2671092
Swap:           999932           0         999932
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# cat /proc/cpuinfo
bash: cat/: No such file or directory
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# cat/proc/cpuinfo
bash: cat/proc/cpuinfo: No such file or directory
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan# finger root
The program 'finger' is currently not installed. You can install it by typing:
apt install finger
root@vintan-HP-Laptop-14s-cf0xxx:/home/vintan#
```


1. Distro linux yang ada saat ini (5) :

a. Ubuntu

Ubuntu adalah salah satu distribusi Linux yang berbasis pada Debian. Proyek Ubuntu disponsori oleh Canonical Ltd (perusahaan milik Mark Shuttleworth). Nama Ubuntu diambil dari nama sebuah konsep ideologi di Afrika Selatan. “Ubuntu” berasal dari bahasa kuno Afrika, yang berarti “rasa perikemanusiaan terhadap sesama manusia”.

b. Centos

Centos adalah sistem operasi bebas yang didasarkan pada Red Hat Enterprise Linux (RHEL). Centos singkatan dari Community enterprise Operating System (Sistem Operasi Perusahaan buatan Komunitas/Masyarakat).c.

c. Debian

Debian adalah sistem operasi berbasis kernel Linux.

Debian adalah ‘kernel independen’, yaitu sistem operasi Debian dikembangkan murni tanpa mendasarkan pada sistem operasi yang telah ada.

d. Slackware

Slackware merupakan sistem operasi yang dibuat oleh Patrick Volkerding dari slackwarelinux, Inc. Slackware merupakan salah satu distro awal, dan merupakan yang tertua yang masih dikelola. Tujuan utama Slackware adalah stabilitas dan kemudahan desain, serta menjadi distribusi Linux yang paling mirip Unixe.

e. Linux Mint

Linux Mint adalah sistem operasi berbasis Linux untuk PC. Inti dari linuxmint adalah Ubuntu, sehingga aplikasi yang dapat berjalan di Ubuntu, juga bisa berjalan pada linuxmint.2.

2. Perintah Terminal Linux

1. **Head** Menampilkan beberapa baris awal pada file teks.
2. **Nano** Mengedit isi dari suatu file teks.
3. **Vi** Teks editor yang sangat ampuh yang hampir selalu terdapat dalam setiap instalasi Linux
4. **Wc** Menghitung jumlah baris, kata atau karakter dari sebuah file teks.
5. **Man** menampilkan dokumentasi (manual pages) dari sebuah perintah.

6. **Apropos** menampilkan dokumentasi (manual pages) yang berhubungan dengankata kunci yang telah diberikan
7. **Find** Memindai dan mencari pada struktur direktori dari file
8. **Tar** Perintah untuk bekerja dengan file arsip.
9. **Gzip** Melakukan kompresi pada file atau folder menjadi file dengan ekstensi.gz
10. **Date** Menampilkan jam dan tanggal waktu sekarang.
11. **Cal** Menampilkan kalender
12. **Touch** Mengubah waktu modifikasi dari sebuah file atau membuat sebuah filekosong (0 byte)
13. **Ps** Menampilkan proses yang berjalan pada sistem.
14. **Kill** Mematikan (atau memberikan sinyal lain pada) sebuah proses.
15. **Su** Super user
16. **Userdel** Menghapus user dari sistem.
17. **Passwd** Mengganti password user
18. **Ifconfig**– Mengkonfigurasi interface jaringan.
19. **Halt** Mematikan system
20. **Reboot** Me-restart system

3. Pengertian

- a) Init 0 => Digunakan utk maintenance, diagnostic hardware, booting selain dari diskmisal dari cdroom.
- b) 2. Init 1 => Single user mode, digunakan utk menambahkan patches, backup/restoresystem. Di level ini kita bisa menjalankan/access semua file tapi user lain tidak bisa loginke dalam sytem kita.
- c) Init 2 => multiuser mode, biasanya utk digunakan dalam network. Tapi disini tidak adaresourches yang di share.
- d) Init 3 ==> memperluas multiuser mode,kita bisa membuat local resourches share padanetwork kita. Sehingga kita bisa berbagi data dilevel ini dalam network.
- e) Init 4 ==> utk alternative multiuser mode tetapi saat ini belum bisa digunakan.
- f) Init 5 ==> utk shutdown/ power off.
- g) Init 6 ==> men stop operating system kemudian reboot dan kembali ke initdefault nyayang ada di /etc/inittab

4. Maksud dari perintah “quota”

Menampilkan sisa disk space, menampilkan ruang disk dan batasanya.