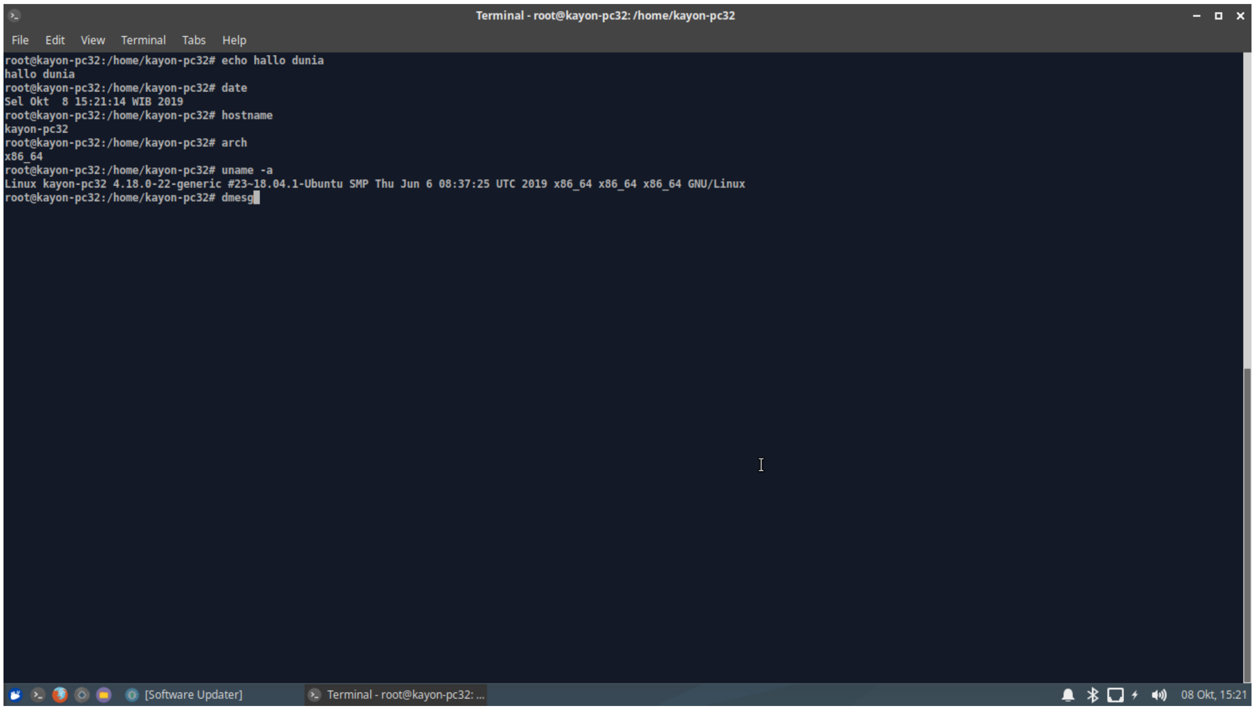
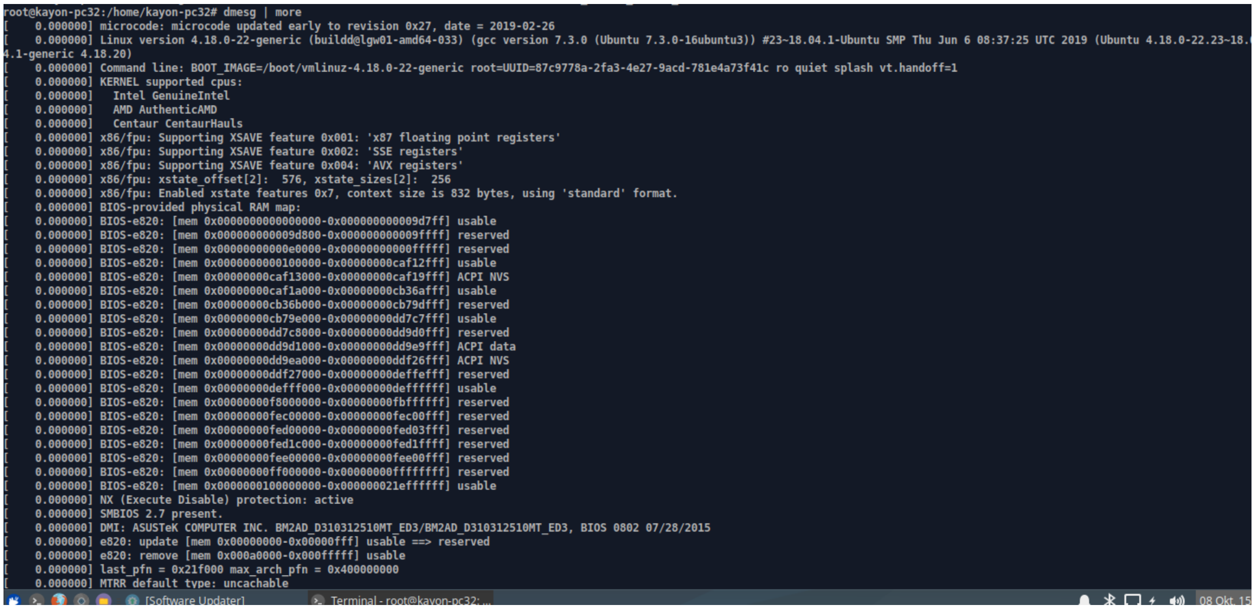
NAMA : SALMAA KHOIRUN NISAA’

NIM : L200180019

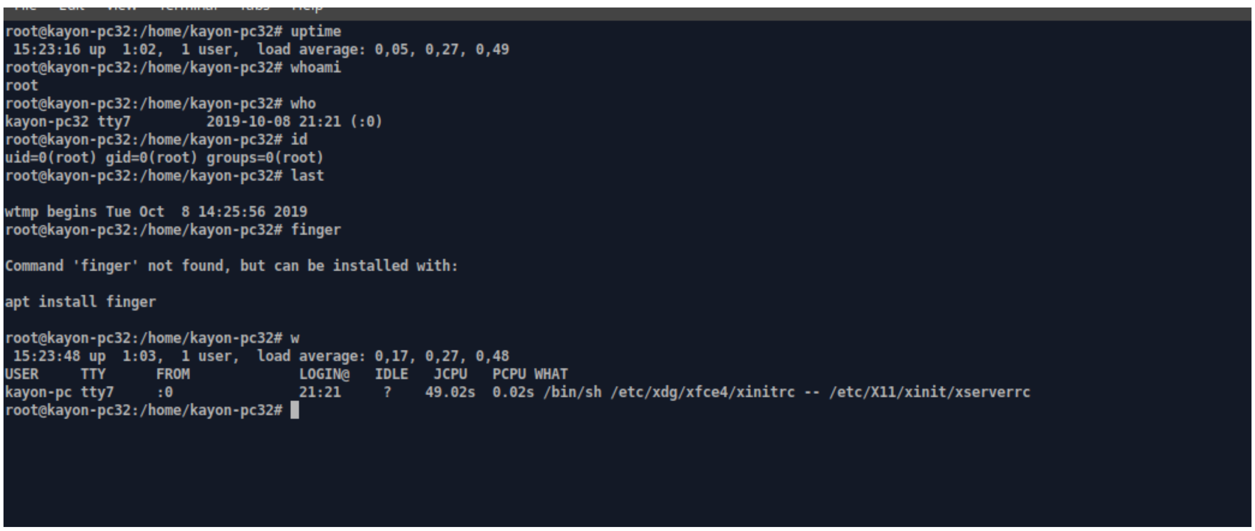
MODUL 5


Terminal - root@kayon-pc32: /home/kayon-pc32
File
Edit
View
Terminal
Tabs
Help
[Software Updater]
Terminal - root@kayon-pc32: ...
08 Okt, 15:21

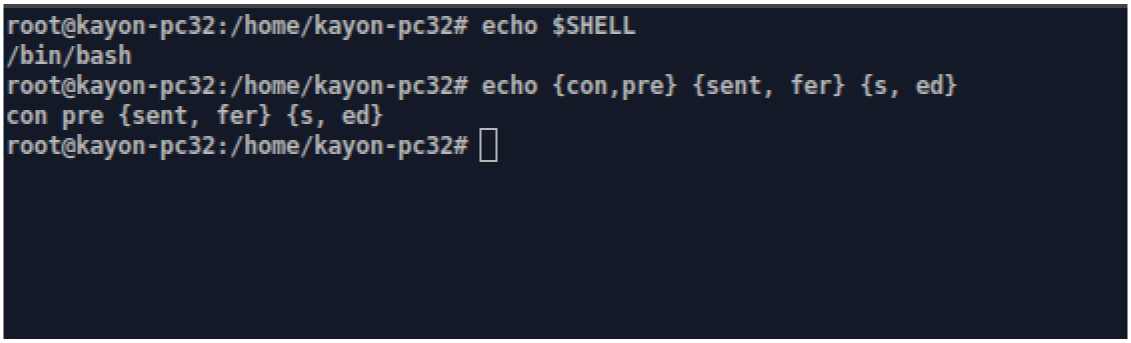
```
root@kayon-pc32:/home/kayon-pc32# echo hallo dunia
hallo dunia
root@kayon-pc32:/home/kayon-pc32# date
Sel Okt  8 15:21:14 WIB 2019
root@kayon-pc32:/home/kayon-pc32# hostname
kayon-pc32
root@kayon-pc32:/home/kayon-pc32# arch
x86_64
root@kayon-pc32:/home/kayon-pc32# uname -a
Linux kayon-pc32 4.18.0-22-generic #23~18.04.1-Ubuntu SMP Thu Jun 6 08:37:25 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux
root@kayon-pc32:/home/kayon-pc32# dmesg
```



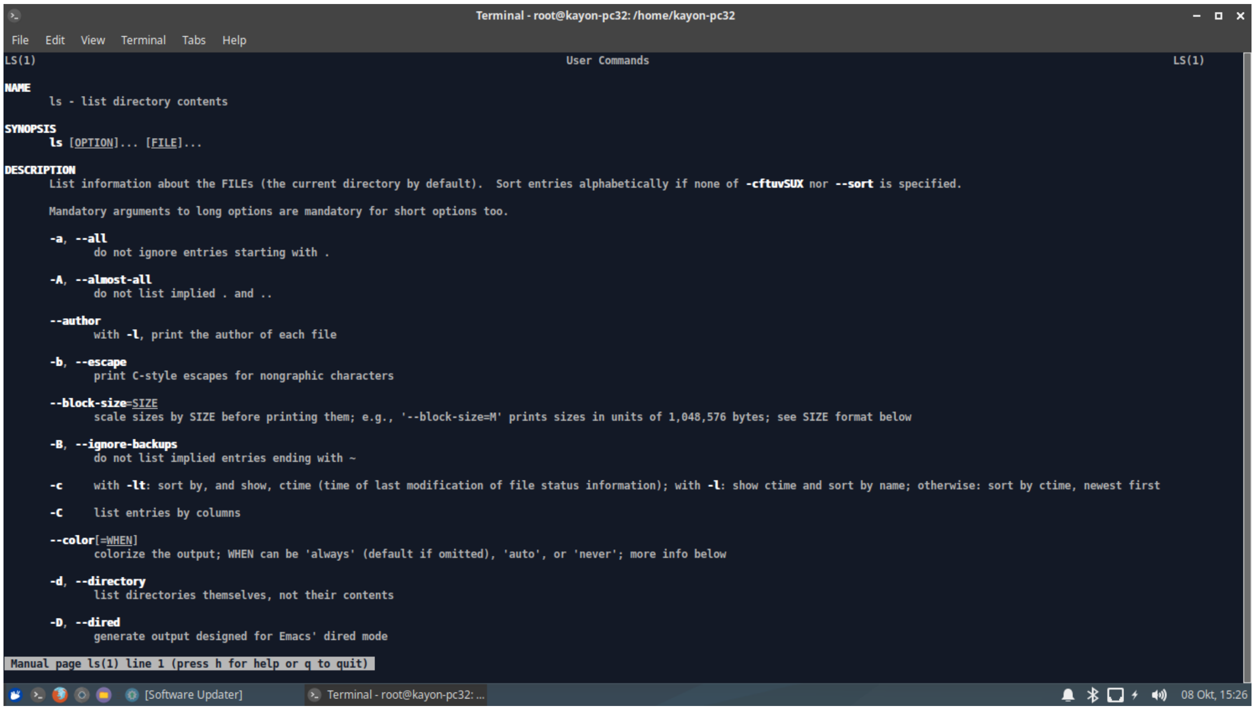
```
root@kayon-pc32:/home/kayon-pc32# dmesg | more
[    0.000000] microcode: microcode updated early to revision 0x27, date = 2019-02-26
[    0.000000] Linux version 4.18.0-22-generic (buildd@lgw01-amd64-033) (gcc version 7.3.0 (Ubuntu 7.3.0-16ubuntu3)) #23~18.04.1-Ubuntu SMP Thu Jun 6 08:37:25 UTC 2019 (Ubuntu 4.18.0-22.23~18.
4.1-generic 4.18.20)
[    0.000000] Command line: BOOT_IMAGE=/boot/vmlinuz-4.18.0-22-generic root=UUID=87c9778a-2fa3-4e27-9acd-781e4a73f41c ro quiet splash vt.handoff=1
[    0.000000] KERNEL supported cpus:
[    0.000000]   Intel GenuineIntel
[    0.000000]   AMD AuthenticAMD
[    0.000000]   Centaur CentaurHauls
[    0.000000] x86/fpu: Supporting XSAVE feature 0x001: 'x87 floating point registers'
[    0.000000] x86/fpu: Supporting XSAVE feature 0x002: 'SSE registers'
[    0.000000] x86/fpu: Supporting XSAVE feature 0x004: 'AVX registers'
[    0.000000] x86/fpu: xstate_offset[2]:  576, xstate_sizes[2]:  256
[    0.000000] x86/fpu: Enabled xstate features 0x7, context size is 832 bytes, using 'standard' format.
[    0.000000] BIOS-provided physical RAM map:
[    0.000000] BIOS-e820: [mem 0x0000000000000000-0x000000000009d7ff] usable
[    0.000000] BIOS-e820: [mem 0x000000000009d800-0x000000000009ffff] reserved
[    0.000000] BIOS-e820: [mem 0x00000000000e0000-0x00000000000fffff] reserved
[    0.000000] BIOS-e820: [mem 0x0000000000100000-0x00000000caf12fff] usable
[    0.000000] BIOS-e820: [mem 0x00000000caf13000-0x00000000caf19fff] ACPI NVS
[    0.000000] BIOS-e820: [mem 0x00000000caf1a000-0x00000000cb36afff] usable
[    0.000000] BIOS-e820: [mem 0x00000000cb36b000-0x00000000cb79dfff] reserved
[    0.000000] BIOS-e820: [mem 0x00000000cb79e000-0x00000000dd7c7fff] usable
[    0.000000] BIOS-e820: [mem 0x00000000dd7c8000-0x00000000dd9d0fff] reserved
[    0.000000] BIOS-e820: [mem 0x00000000dd9d1000-0x00000000dd9e9fff] ACPI data
[    0.000000] BIOS-e820: [mem 0x00000000dd9ea000-0x00000000ddf26fff] ACPI NVS
[    0.000000] BIOS-e820: [mem 0x00000000ddf27000-0x00000000deffefff] reserved
[    0.000000] BIOS-e820: [mem 0x00000000defff000-0x00000000deffffff] usable
[    0.000000] BIOS-e820: [mem 0x00000000f8000000-0x00000000fbffffff] reserved
[    0.000000] BIOS-e820: [mem 0x00000000fec00000-0x00000000fec00fff] reserved
[    0.000000] BIOS-e820: [mem 0x00000000fed00000-0x00000000fed03fff] reserved
[    0.000000] BIOS-e820: [mem 0x00000000fed1c000-0x00000000fed1ffff] reserved
[    0.000000] BIOS-e820: [mem 0x00000000fee00000-0x00000000fee00fff] reserved
[    0.000000] BIOS-e820: [mem 0x00000000ff000000-0x00000000ffffffff] reserved
[    0.000000] BIOS-e820: [mem 0x0000000100000000-0x000000021effffff] usable
[    0.000000] NX (Execute Disable) protection: active
[    0.000000] SMBIOS 2.7 present.
[    0.000000] DMI: ASUSTeK COMPUTER INC. BM2AD_D310312510MT_ED3/BM2AD_D310312510MT_ED3, BIOS 0802 07/28/2015
[    0.000000] e820: update [mem 0x00000000-0x00000fff] usable ==> reserved
[    0.000000] e820: remove [mem 0x000a0000-0x000fffff] usable
[    0.000000] last_pfn = 0x21f000 max_arch_pfn = 0x400000000
[    0.000000] MTRR default type: uncachable
```



```
root@kayon-pc32:/home/kayon-pc32# uptime
 15:23:16 up  1:02,  1 user,  load average: 0,05, 0,27, 0,49
root@kayon-pc32:/home/kayon-pc32# whoami
root
root@kayon-pc32:/home/kayon-pc32# who
kayon-pc32 tty7         2019-10-08 21:21 (:0)
root@kayon-pc32:/home/kayon-pc32# id
uid=0(root) gid=0(root) groups=0(root)
root@kayon-pc32:/home/kayon-pc32# last

wtmp begins Tue Oct  8 14:25:56 2019
root@kayon-pc32:/home/kayon-pc32# finger

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

apt install finger

root@kayon-pc32:/home/kayon-pc32# w
 15:23:48 up  1:03,  1 user,  load average: 0,17, 0,27, 0,48
USER     TTY      FROM             LOGIN@   IDLE   JCPU   PCPU WHAT
kayon-pc tty7     :0               21:21     ?    49.02s  0.02s /bin/sh /etc/xdg/xfce4/xinitrc -- /etc/X11/xinit/xserverrc
root@kayon-pc32:/home/kayon-pc32# 
```



```
root@kayon-pc32:/home/kayon-pc32# echo $SHELL
/bin/bash
root@kayon-pc32:/home/kayon-pc32# echo {con,pre} {sent, fer} {s, ed}
con pre {sent, fer} {s, ed}
root@kayon-pc32:/home/kayon-pc32# 
```


Terminal - root@kayon-pc32: /home/kayon-pc32
File
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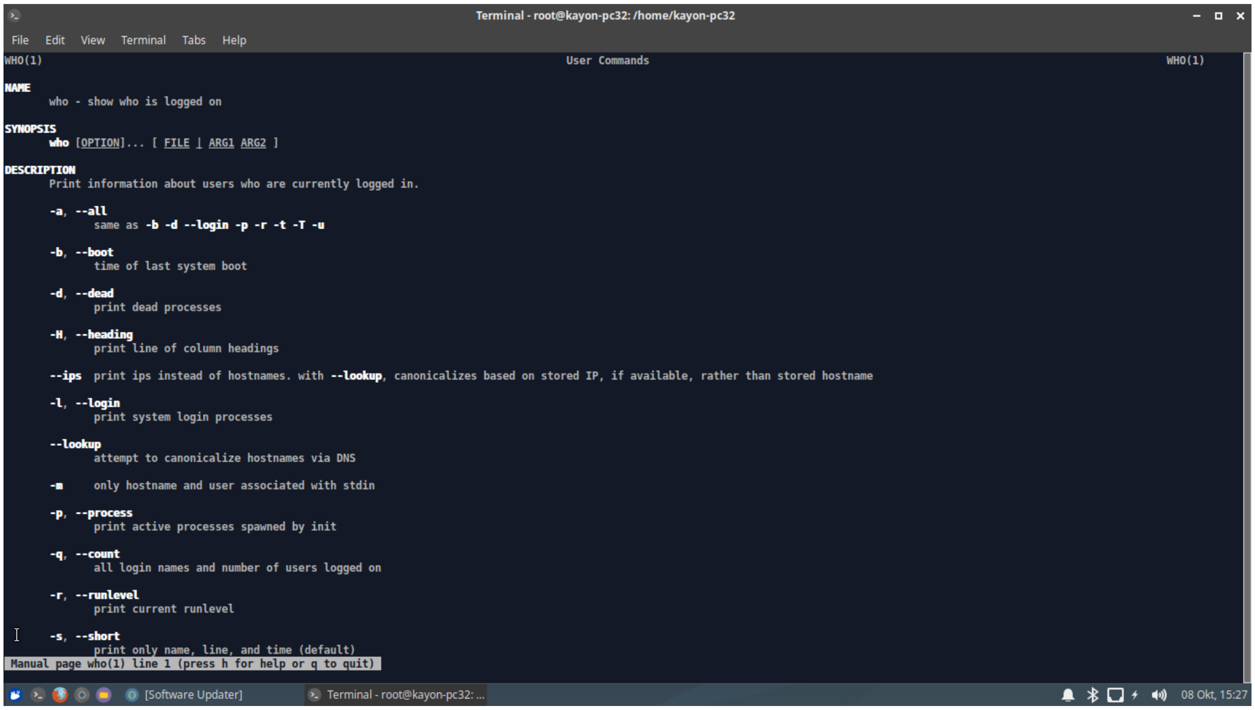
Terminal
Tabs
Help
[Software Updater]
Terminal - root@kayon-pc32: ...
08 Okt, 15:26

```
LS(1)                                        User Commands                                        LS(1)

NAME
       ls - list directory contents

SYNOPSIS
       ls [OPTION]... [FILE]...

DESCRIPTION
       List information about the FILEs (the current directory by default).  Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

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

       -a, --all
              do not ignore entries starting with .

       -A, --almost-all
              do not list implied . and ..

       --author
              with -l, print the author of each file

       -b, --escape
              print C-style escapes for nongraphic characters

       --block-size=SIZE
              scale sizes by SIZE before printing them; e.g., '--block-size=M' prints sizes in units of 1,048,576 bytes; see SIZE format below

       -B, --ignore-backups
              do not list implied entries ending with ~

       -c     with -lt: sort by, and show, ctime (time of last modification of file status information); with -l: show ctime and sort by name; otherwise: sort by ctime, newest first

       -C     list entries by columns

       --color[=WHEN]
              colorize the output; WHEN can be 'always' (default if omitted), 'auto', or 'never'; more info below

       -d, --directory
              list directories themselves, not their contents

       -D, --dired
              generate output designed for Emacs' dired mode

 Manual page ls(1) line 1 (press h for help or q to quit)
```


Terminal - root@kayon-pc32: /home/kayon-pc32
File
Edit
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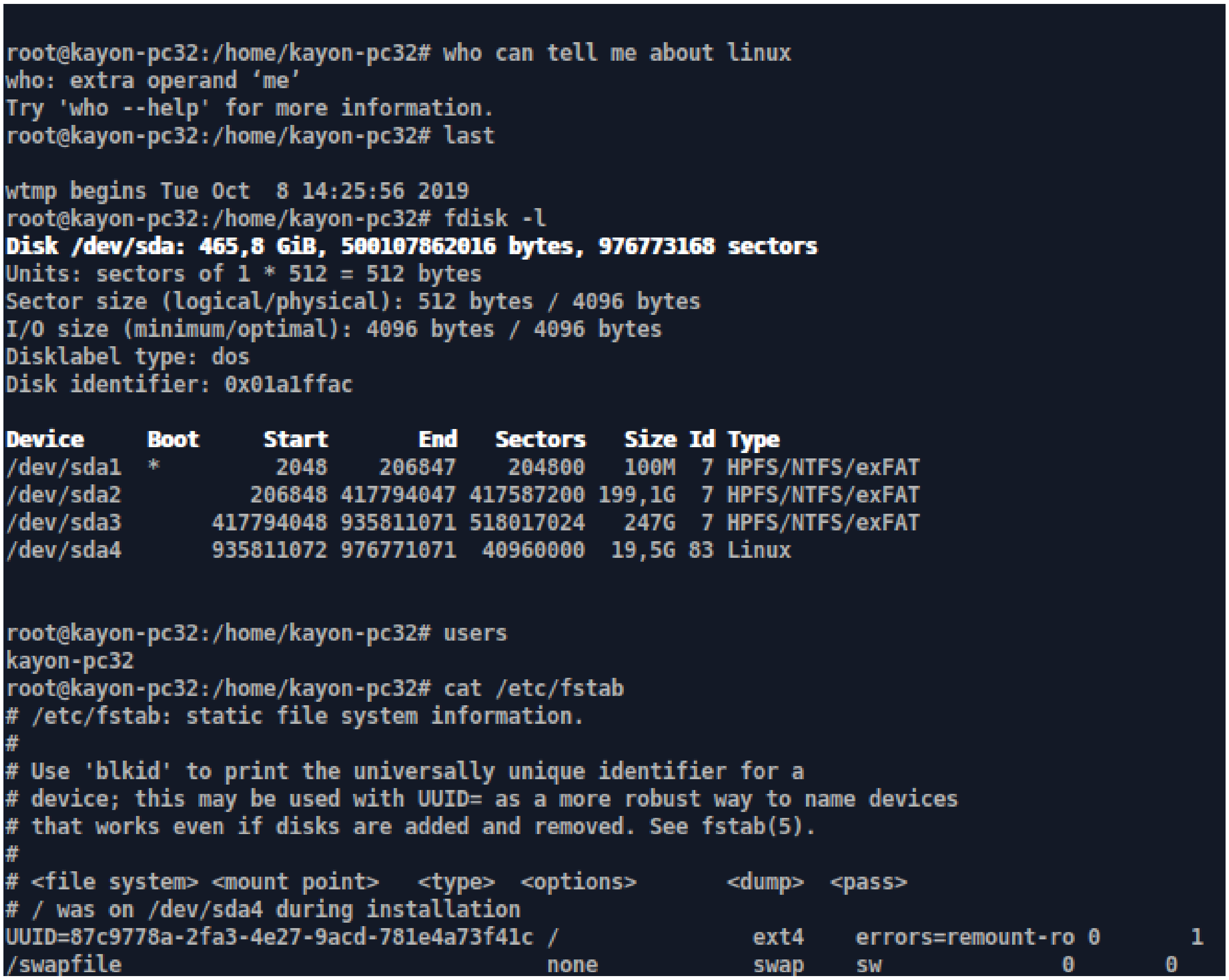
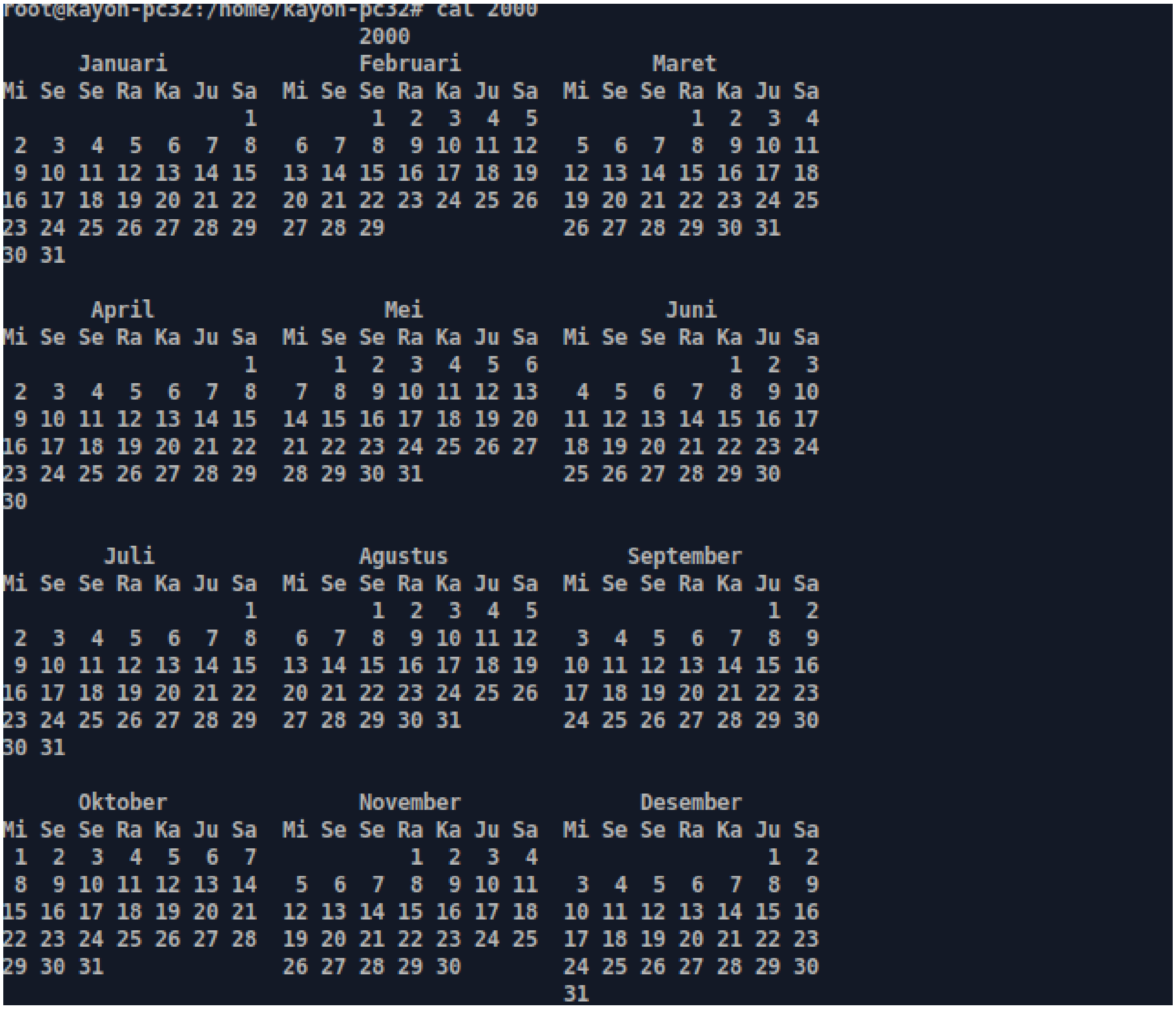
Help
[Software Updater]
Terminal - root@kayon-pc32: ...
08 Okt, 15:27

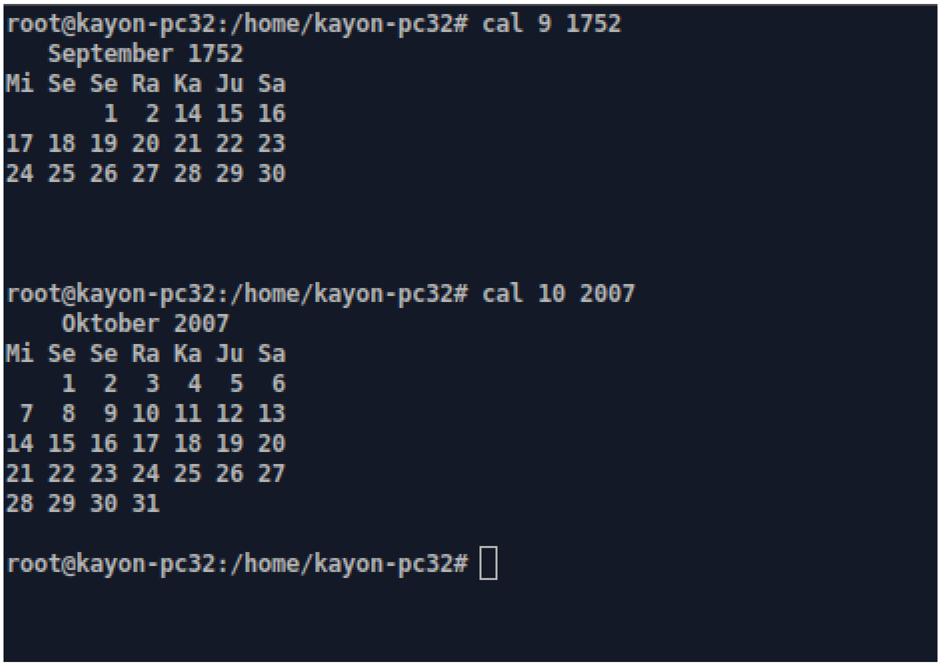
```
WHO(1)                                       User Commands                                       WHO(1)

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
              print active processes spawned by init

       -q, --count
              all login names and number of users logged on

       -r, --runlevel
              print current runlevel

       -s, --short
              print only name, line, and time (default)
 Manual page who(1) line 1 (press h for help or q to quit)
```



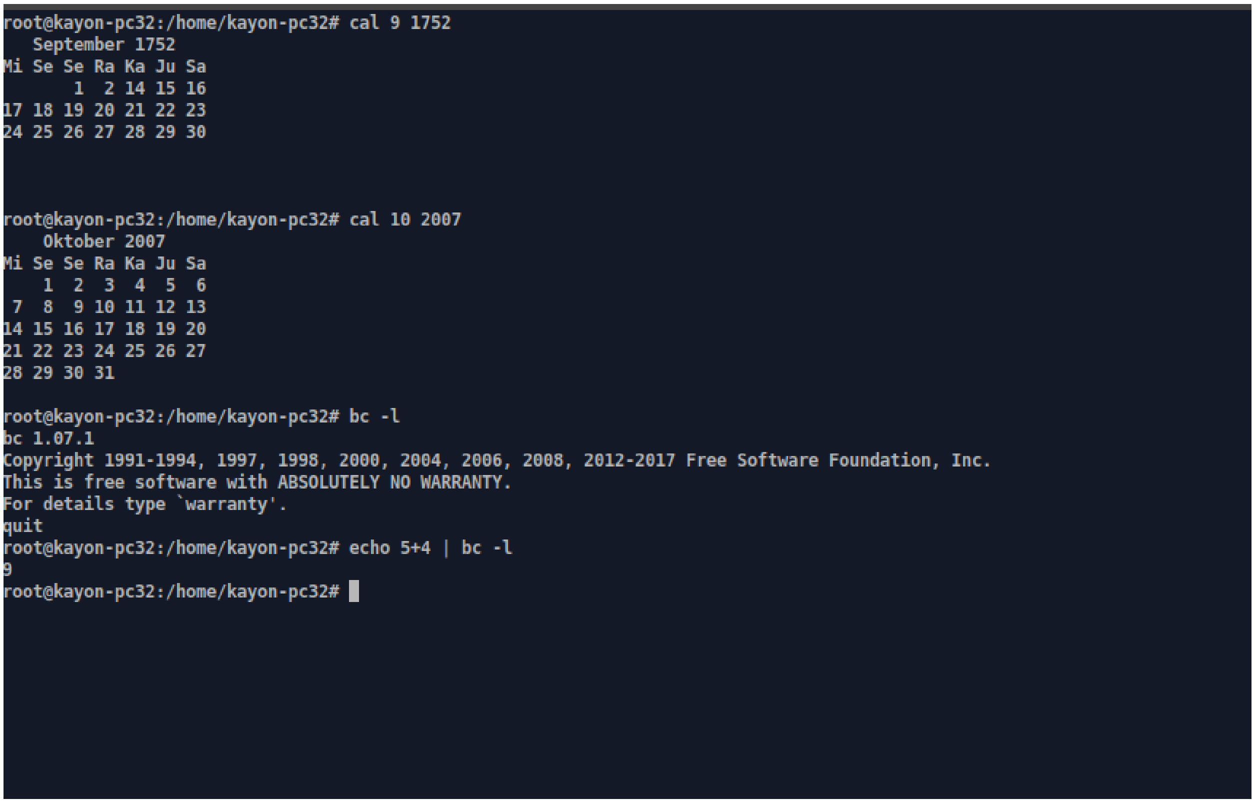
```
root@kayon-pc32:/home/kayon-pc32# who can tell me about linux
who: extra operand ‘me’
Try 'who --help' for more information.
root@kayon-pc32:/home/kayon-pc32# last

wtmp begins Tue Oct  8 14:25:56 2019
root@kayon-pc32:/home/kayon-pc32# fdisk -l
Disk /dev/sda: 465,8 GiB, 500107862016 bytes, 976773168 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 4096 bytes
I/O size (minimum/optimal): 4096 bytes / 4096 bytes
Disklabel type: dos
Disk identifier: 0x01a1ffac

Device     Boot     Start       End   Sectors   Size Id Type
/dev/sda1  *         2048    206847    204800   100M  7 HPFS/NTFS/exFAT
/dev/sda2          206848 417794047 417587200 199,1G  7 HPFS/NTFS/exFAT
/dev/sda3       417794048 935811071 518017024   247G  7 HPFS/NTFS/exFAT
/dev/sda4       935811072 976771071  40960000  19,5G 83 Linux


root@kayon-pc32:/home/kayon-pc32# users
kayon-pc32
root@kayon-pc32:/home/kayon-pc32# cat /etc/fstab
# /etc/fstab: static file system information.
#
# Use 'blkid' to print the universally unique identifier for a
# device; this may be used with UUID= as a more robust way to name devices
# that works even if disks are added and removed. See fstab(5).
#
# <file system> <mount point>   <type>  <options>       <dump>  <pass>
# / was on /dev/sda4 during installation
UUID=87c9778a-2fa3-4e27-9acd-781e4a73f41c /               ext4    errors=remount-ro 0       1
/swapfile                                 none            swap    sw              0       0
```



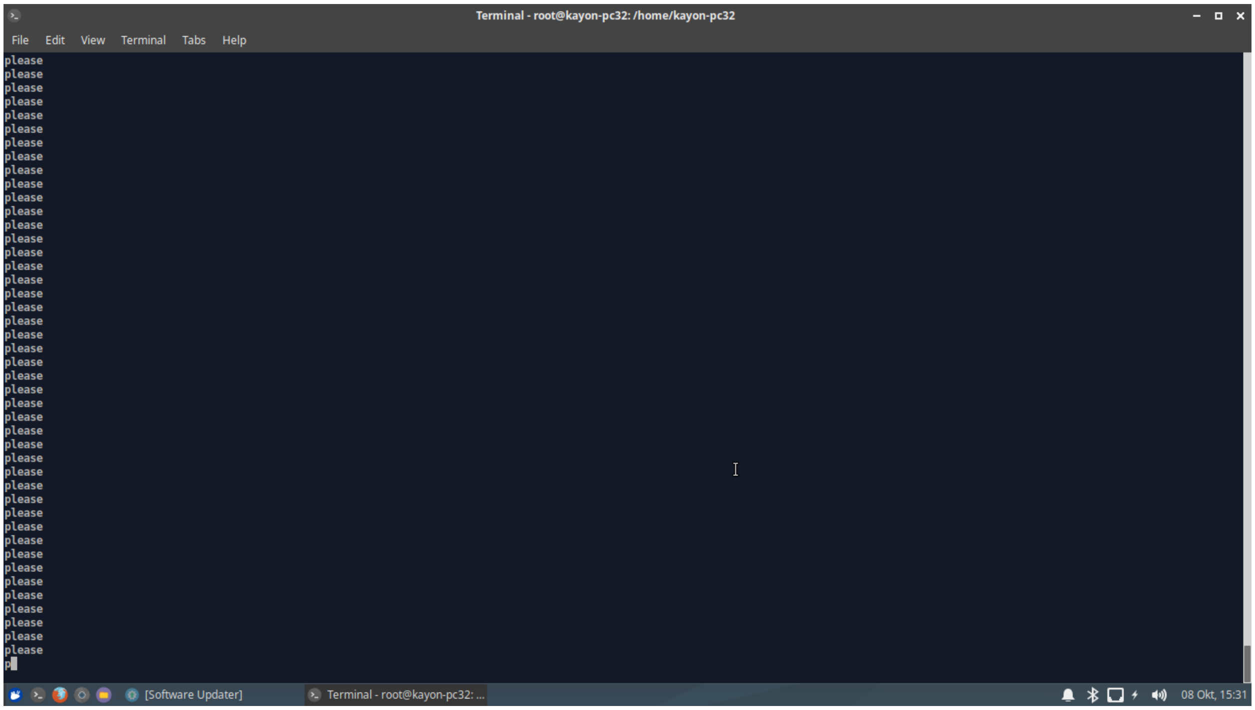
```
root@kayon-pc32:/home/kayon-pc32# cal 2000
                            2000
      Januari               Februari               Maret
Mi Se Se Ra Ka Ju Sa  Mi Se Se Ra Ka Ju Sa  Mi Se Se Ra Ka Ju Sa
                   1         1  2  3  4  5            1  2  3  4
 2  3  4  5  6  7  8   6  7  8  9 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
 9 10 11 12 13 14 15  13 14 15 16 17 18 19  10 11 12 13 14 15 16
16 17 18 19 20 21 22  20 21 22 23 24 25 26  17 18 19 20 21 22 23
23 24 25 26 27 28 29  27 28 29 30 31        24 25 26 27 28 29 30
30 31

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



```
root@kayon-pc32:/home/kayon-pc32# cal 9 1752
   September 1752
Mi Se Se Ra Ka Ju Sa
       1  2 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30



root@kayon-pc32:/home/kayon-pc32# cal 10 2007
    Oktober 2007
Mi Se Se Ra Ka Ju 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

root@kayon-pc32:/home/kayon-pc32# 
```



```
root@kayon-pc32:/home/kayon-pc32# cal 9 1752
   September 1752
Mi Se Se Ra Ka Ju Sa
       1  2 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30



root@kayon-pc32:/home/kayon-pc32# cal 10 2007
    Oktober 2007
Mi Se Se Ra Ka Ju 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

root@kayon-pc32:/home/kayon-pc32# bc -l
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type `warranty'.
quit
root@kayon-pc32:/home/kayon-pc32# echo 5+4 | bc -l
9
root@kayon-pc32:/home/kayon-pc32# 
```


Terminal - root@kayon-pc32: /home/kayon-pc32
File
Edit
View
Terminal
Tabs
Help
[Software Updater]
Terminal - root@kayon-pc32: ...
08 Okt, 15:31

```
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```
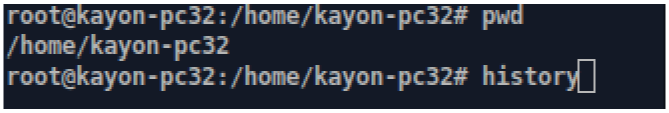
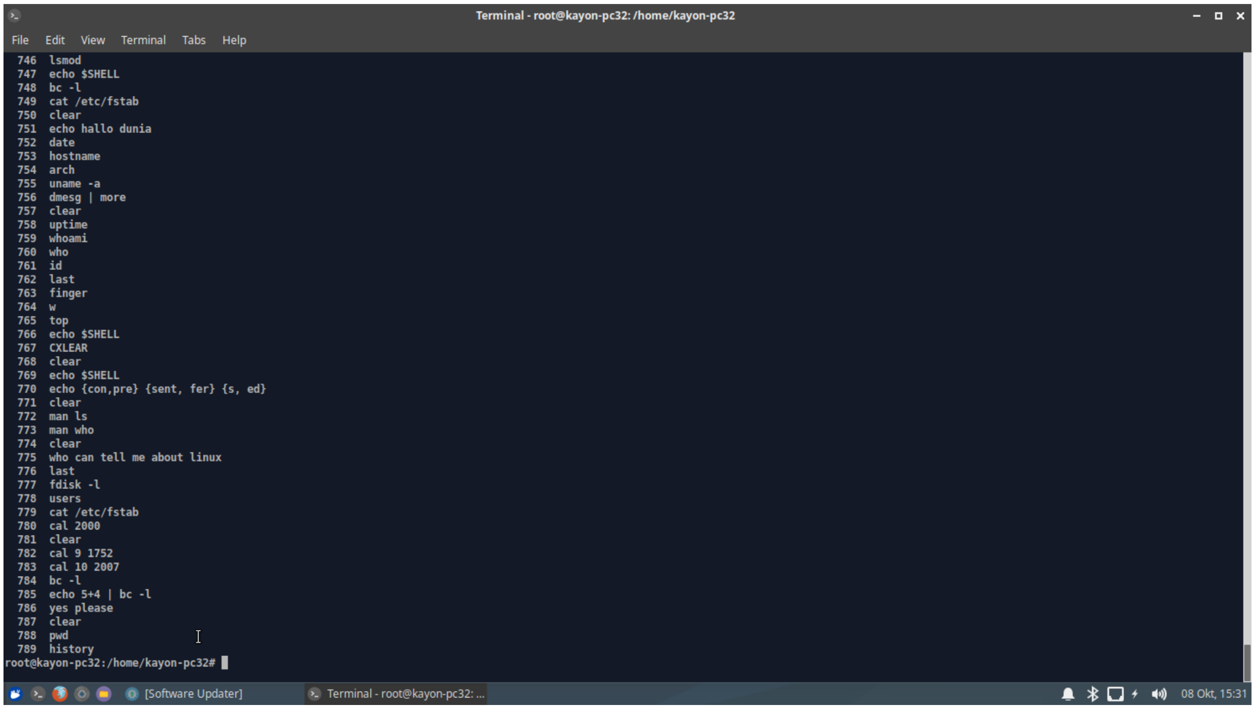



```
root@kayon-pc32:/home/kayon-pc32# pwd
/home/kayon-pc32
root@kayon-pc32:/home/kayon-pc32# history
```


Terminal - root@kayon-pc32: /home/kayon-pc32
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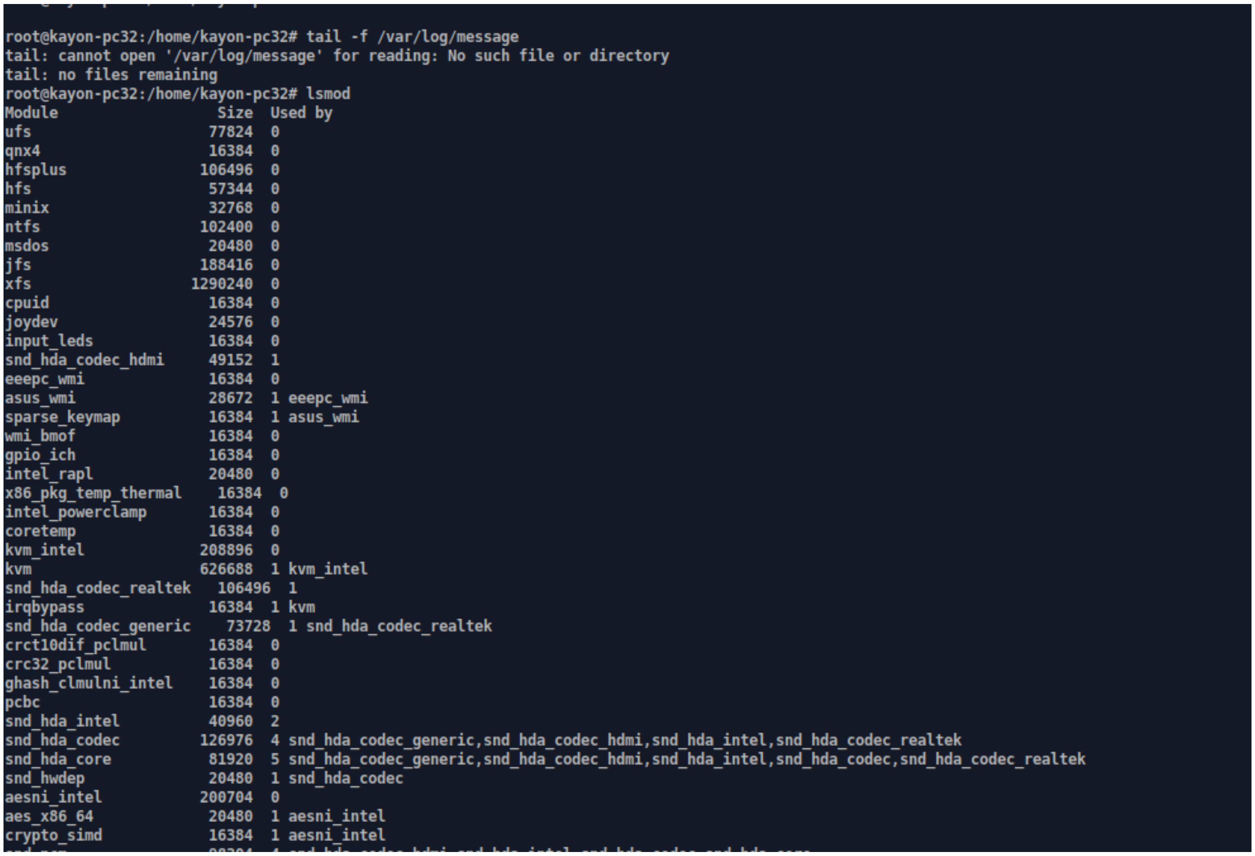
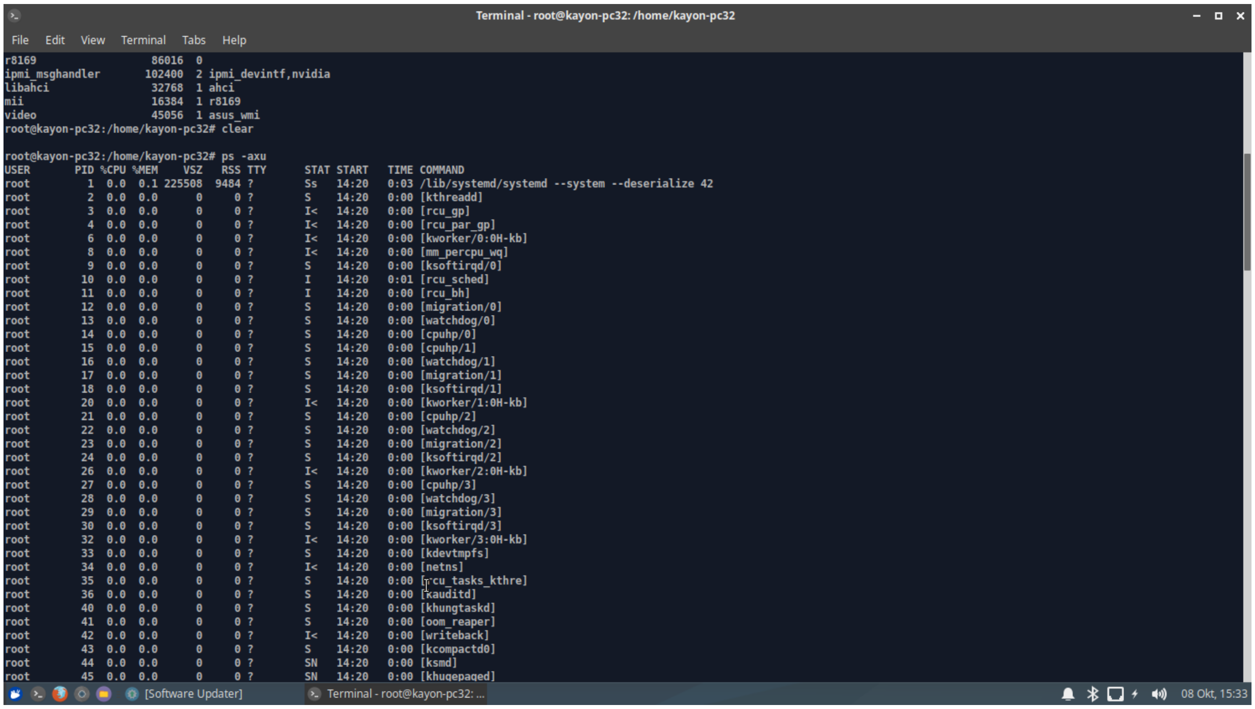
Help
[Software Updater]
Terminal - root@kayon-pc32: ...
08 Okt, 15:31

```
  746  lsmod
  747  echo $SHELL
  748  bc -l
  749  cat /etc/fstab
  750  clear
  751  echo hallo dunia
  752  date
  753  hostname
  754  arch
  755  uname -a
  756  dmesg | more
  757  clear
  758  uptime
  759  whoami
  760  who
  761  id
  762  last
  763  finger
  764  w
  765  top
  766  echo $SHELL
  767  CXLEAR
  768  clear
  769  echo $SHELL
  770  echo {con,pre} {sent, fer} {s, ed}
  771  clear
  772  man ls
  773  man who
  774  clear
  775  who can tell me about linux
  776  last
  777  fdisk -l
  778  users
  779  cat /etc/fstab
  780  cal 2000
  781  clear
  782  cal 9 1752
  783  cal 10 2007
  784  bc -l
  785  echo 5+4 | bc -l
  786  yes please
  787  clear
  788  pwd
  789  history
root@kayon-pc32:/home/kayon-pc32# 
```



```
root@kayon-pc32:/home/kayon-pc32# tail -f /var/log/message
tail: cannot open '/var/log/message' for reading: No such file or directory
tail: no files remaining
root@kayon-pc32:/home/kayon-pc32# lsmod
Module                  Size  Used by
ufs                    77824  0
qnx4                   16384  0
hfsplus               106496  0
hfs                    57344  0
minix                  32768  0
ntfs                  102400  0
msdos                  20480  0
jfs                   188416  0
xfs                  1290240  0
cpuid                  16384  0
joydev                 24576  0
input_leds             16384  0
snd_hda_codec_hdmi     49152  1
eeepc_wmi              16384  0
asus_wmi               28672  1 eeepc_wmi
sparse_keymap          16384  1 asus_wmi
wmi_bmof               16384  0
gpio_ich               16384  0
intel_rapl             20480  0
x86_pkg_temp_thermal    16384  0
intel_powerclamp       16384  0
coretemp               16384  0
kvm_intel             208896  0
kvm                   626688  1 kvm_intel
snd_hda_codec_realtek   106496  1
irqbypass              16384  1 kvm
snd_hda_codec_generic    73728  1 snd_hda_codec_realtek
crct10dif_pclmul       16384  0
crc32_pclmul           16384  0
ghash_clmulni_intel    16384  0
pcbc                   16384  0
snd_hda_intel          40960  2
snd_hda_codec         126976  4 snd_hda_codec_generic,snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec_realtek
snd_hda_core           81920  5 snd_hda_codec_generic,snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec,snd_hda_codec_realtek
snd_hwdep              20480  1 snd_hda_codec
aesni_intel           200704  0
aes_x86_64             20480  1 aesni_intel
crypto_simd            16384  1 aesni_intel
```


Terminal - root@kayon-pc32: /home/kayon-pc32
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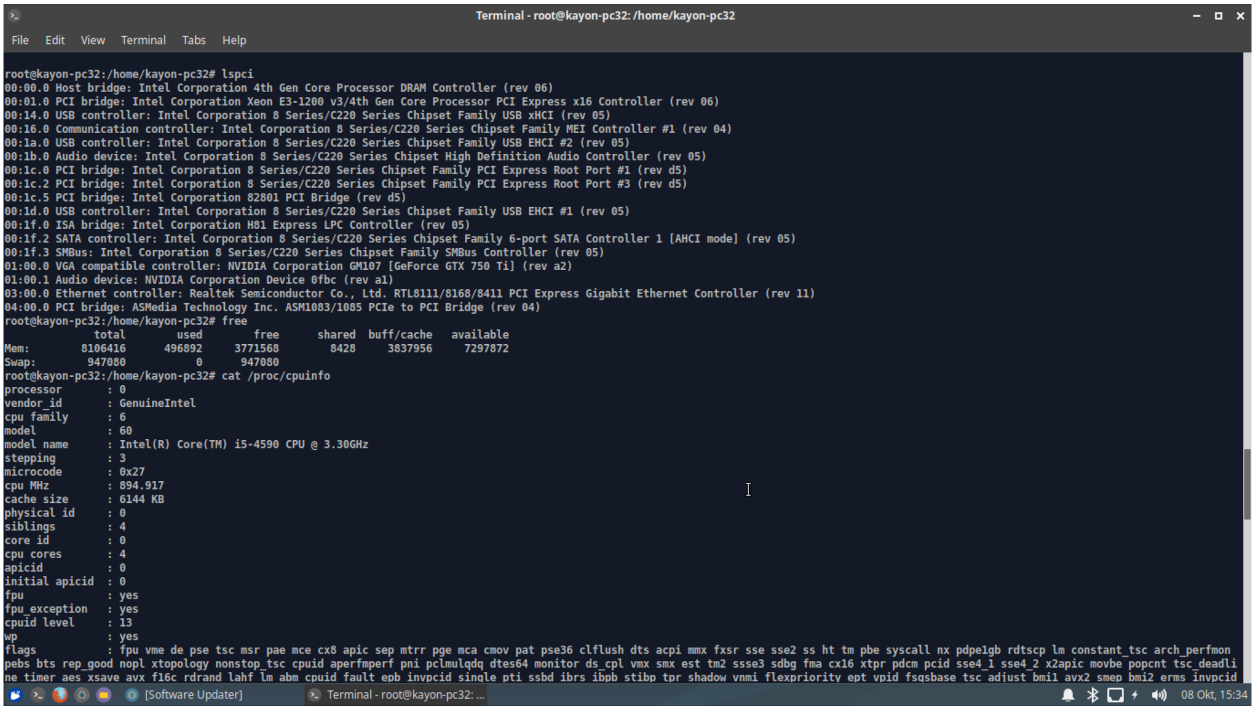
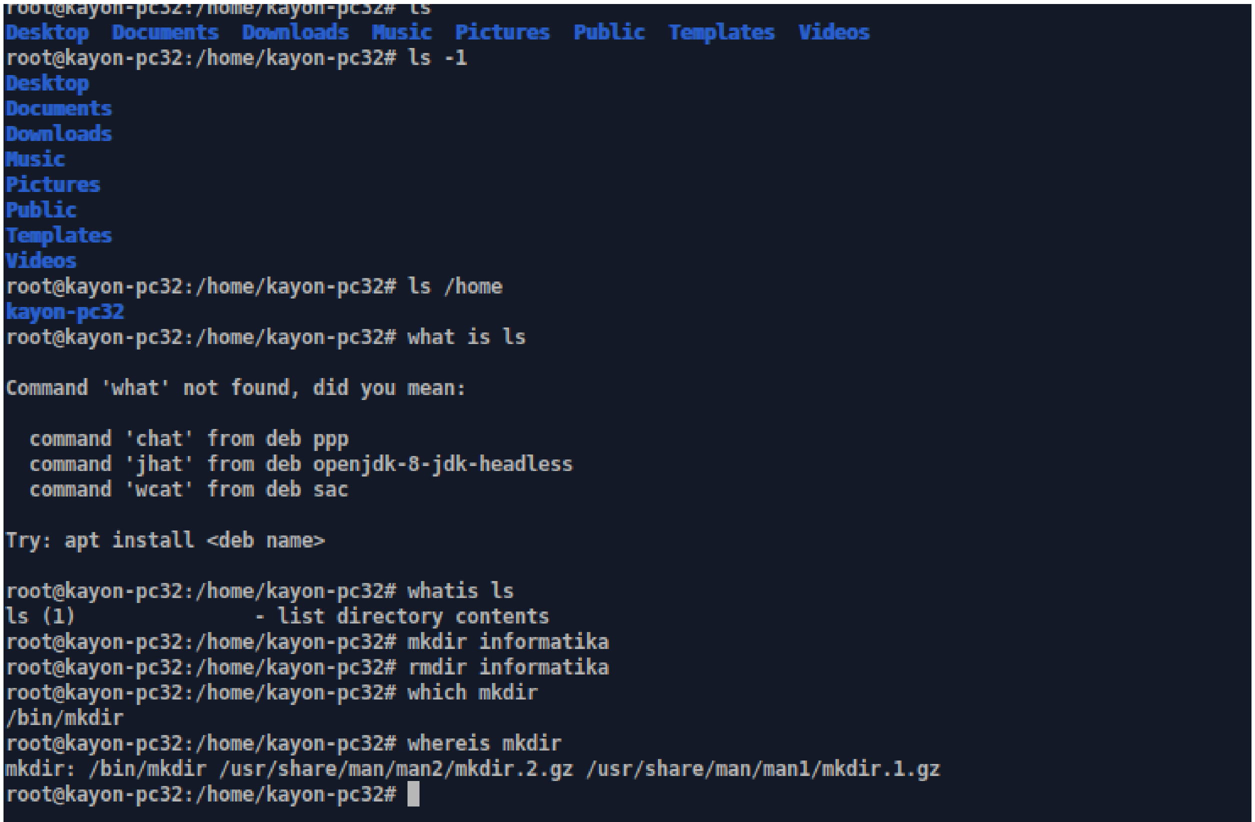
[Software Updater]
Terminal - root@kayon-pc32: ...
08 Okt, 15:33

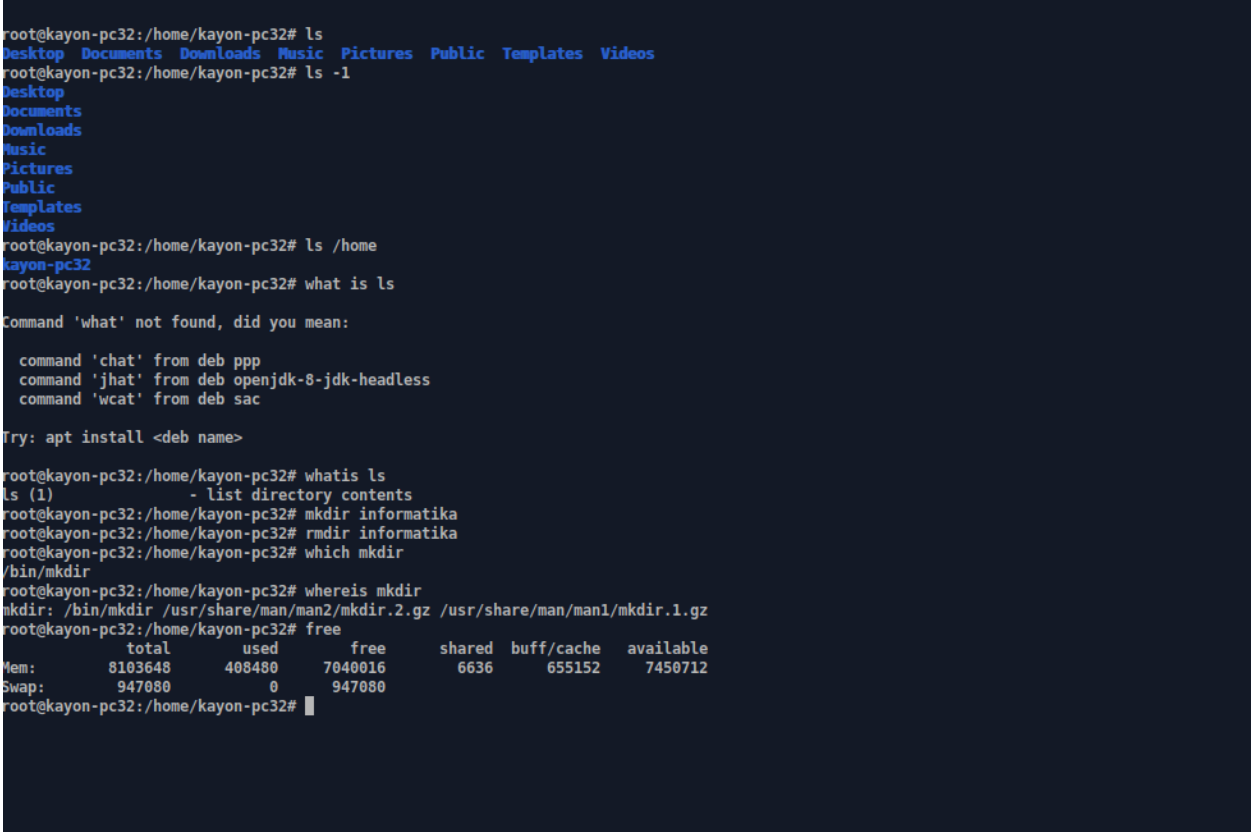
```
r8169                  86016  0
ipmi_msghandler       102400  2 ipmi_devintf,nvidia
libahci                32768  1 ahci
mii                    16384  1 r8169
video                  45056  1 asus_wmi
root@kayon-pc32:/home/kayon-pc32# clear

root@kayon-pc32:/home/kayon-pc32# ps -axu
USER       PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.1 225508  9484 ?        Ss   14:20   0:03 /lib/systemd/systemd --system --deserialize 42
root         2  0.0  0.0      0     0 ?        S    14:20   0:00 [kthreadd]
root         3  0.0  0.0      0     0 ?        I<   14:20   0:00 [rcu_gp]
root         4  0.0  0.0      0     0 ?        I<   14:20   0:00 [rcu_par_gp]
root         6  0.0  0.0      0     0 ?        I<   14:20   0:00 [kworker/0:0H-kb]
root         8  0.0  0.0      0     0 ?        I<   14:20   0:00 [mm_percpu_wq]
root         9  0.0  0.0      0     0 ?        S    14:20   0:00 [ksoftirqd/0]
root        10  0.0  0.0      0     0 ?        I    14:20   0:01 [rcu_sched]
root        11  0.0  0.0      0     0 ?        I    14:20   0:00 [rcu_bh]
root        12  0.0  0.0      0     0 ?        S    14:20   0:00 [migration/0]
root        13  0.0  0.0      0     0 ?        S    14:20   0:00 [watchdog/0]
root        14  0.0  0.0      0     0 ?        S    14:20   0:00 [cpuhp/0]
root        15  0.0  0.0      0     0 ?        S    14:20   0:00 [cpuhp/1]
root        16  0.0  0.0      0     0 ?        S    14:20   0:00 [watchdog/1]
root        17  0.0  0.0      0     0 ?        S    14:20   0:00 [migration/1]
root        18  0.0  0.0      0     0 ?        S    14:20   0:00 [ksoftirqd/1]
root        20  0.0  0.0      0     0 ?        I<   14:20   0:00 [kworker/1:0H-kb]
root        21  0.0  0.0      0     0 ?        S    14:20   0:00 [cpuhp/2]
root        22  0.0  0.0      0     0 ?        S    14:20   0:00 [watchdog/2]
root        23  0.0  0.0      0     0 ?        S    14:20   0:00 [migration/2]
root        24  0.0  0.0      0     0 ?        S    14:20   0:00 [ksoftirqd/2]
root        26  0.0  0.0      0     0 ?        I<   14:20   0:00 [kworker/2:0H-kb]
root        27  0.0  0.0      0     0 ?        S    14:20   0:00 [cpuhp/3]
root        28  0.0  0.0      0     0 ?        S    14:20   0:00 [watchdog/3]
root        29  0.0  0.0      0     0 ?        S    14:20   0:00 [migration/3]
root        30  0.0  0.0      0     0 ?        S    14:20   0:00 [ksoftirqd/3]
root        32  0.0  0.0      0     0 ?        I<   14:20   0:00 [kworker/3:0H-kb]
root        33  0.0  0.0      0     0 ?        S    14:20   0:00 [kdevtmpfs]
root        34  0.0  0.0      0     0 ?        I<   14:20   0:00 [netns]
root        35  0.0  0.0      0     0 ?        S    14:20   0:00 [rcu_tasks_kthre]
root        36  0.0  0.0      0     0 ?        S    14:20   0:00 [kauditd]
root        40  0.0  0.0      0     0 ?        S    14:20   0:00 [khungtaskd]
root        41  0.0  0.0      0     0 ?        S    14:20   0:00 [oom_reaper]
root        42  0.0  0.0      0     0 ?        I<   14:20   0:00 [writeback]
root        43  0.0  0.0      0     0 ?        S    14:20   0:00 [kcompactd0]
root        44  0.0  0.0      0     0 ?        SN   14:20   0:00 [ksmd]
root        45  0.0  0.0      0     0 ?        SN   14:20   0:00 [khugepaged]
```


Terminal - root@kayon-pc32: /home/kayon-pc32
File
Edit
View
Terminal
Tabs
Help
[Software Updater]
Terminal - root@kayon-pc32: ...
08 Okt, 15:34

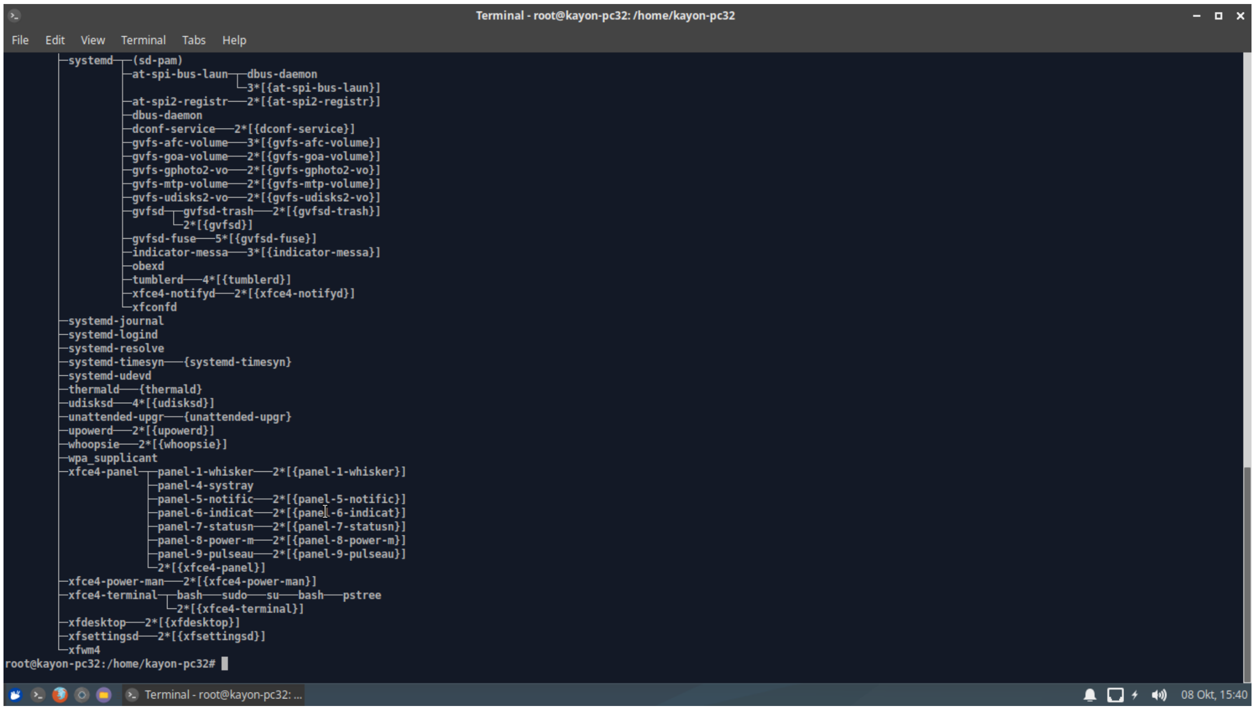
```
root@kayon-pc32:/home/kayon-pc32# lspci
00:00.0 Host bridge: Intel Corporation 4th Gen Core Processor DRAM Controller (rev 06)
00:01.0 PCI bridge: Intel Corporation Xeon E3-1200 v3/4th Gen Core Processor PCI Express x16 Controller (rev 06)
00:14.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB xHCI (rev 05)
00:16.0 Communication controller: Intel Corporation 8 Series/C220 Series Chipset Family MEI Controller #1 (rev 04)
00:1a.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB EHCI #2 (rev 05)
00:1b.0 Audio device: Intel Corporation 8 Series/C220 Series Chipset High Definition Audio Controller (rev 05)
00:1c.0 PCI bridge: Intel Corporation 8 Series/C220 Series Chipset Family PCI Express Root Port #1 (rev d5)
00:1c.2 PCI bridge: Intel Corporation 8 Series/C220 Series Chipset Family PCI Express Root Port #3 (rev d5)
00:1c.5 PCI bridge: Intel Corporation 82801 PCI Bridge (rev d5)
00:1d.0 USB controller: Intel Corporation 8 Series/C220 Series Chipset Family USB EHCI #1 (rev 05)
00:1f.0 ISA bridge: Intel Corporation H81 Express LPC Controller (rev 05)
00:1f.2 SATA controller: Intel Corporation 8 Series/C220 Series Chipset Family 6-port SATA Controller 1 [AHCI mode] (rev 05)
00:1f.3 SMBus: Intel Corporation 8 Series/C220 Series Chipset Family SMBus Controller (rev 05)
01:00.0 VGA compatible controller: NVIDIA Corporation GM107 [GeForce GTX 750 Ti] (rev a2)
01:00.1 Audio device: NVIDIA Corporation Device 0fbc (rev a1)
03:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 11)
04:00.0 PCI bridge: ASMedia Technology Inc. ASM1083/1085 PCIe to PCI Bridge (rev 04)
root@kayon-pc32:/home/kayon-pc32# free
              total        used        free      shared  buff/cache   available
Mem:        8106416      496892     3771568        8428     3837956     7297872
Swap:        947080           0      947080
root@kayon-pc32:/home/kayon-pc32# cat /proc/cpuinfo
processor       : 0
vendor_id       : GenuineIntel
cpu family      : 6
model           : 60
model name      : Intel(R) Core(TM) i5-4590 CPU @ 3.30GHz
stepping        : 3
microcode       : 0x27
cpu MHz         : 894.917
cache size      : 6144 KB
physical id     : 0
siblings        : 4
core id         : 0
cpu cores       : 4
apicid          : 0
initial apicid  : 0
fpu             : yes
fpu_exception   : yes
cpuid level     : 13
wp              : yes
flags           : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx pdpe1gb rdtscp lm constant_tsc arch_perfmon
pebs bts rep_good nopl xtopology nonstop_tsc cpuid aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx smx est tm2 ssse3 sdbg fma cx16 xtpr pdcm pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadli
ne timer aes xsave avx f16c rdrand lahf lm abm cpuid fault epb invpcid single pti ssbd ibrs ibpb stibp tpr shadow vnmi flexpriority ept vpid fsgsbase tsc adjust bmi1 avx2 smep bmi2 erms invpcid
```



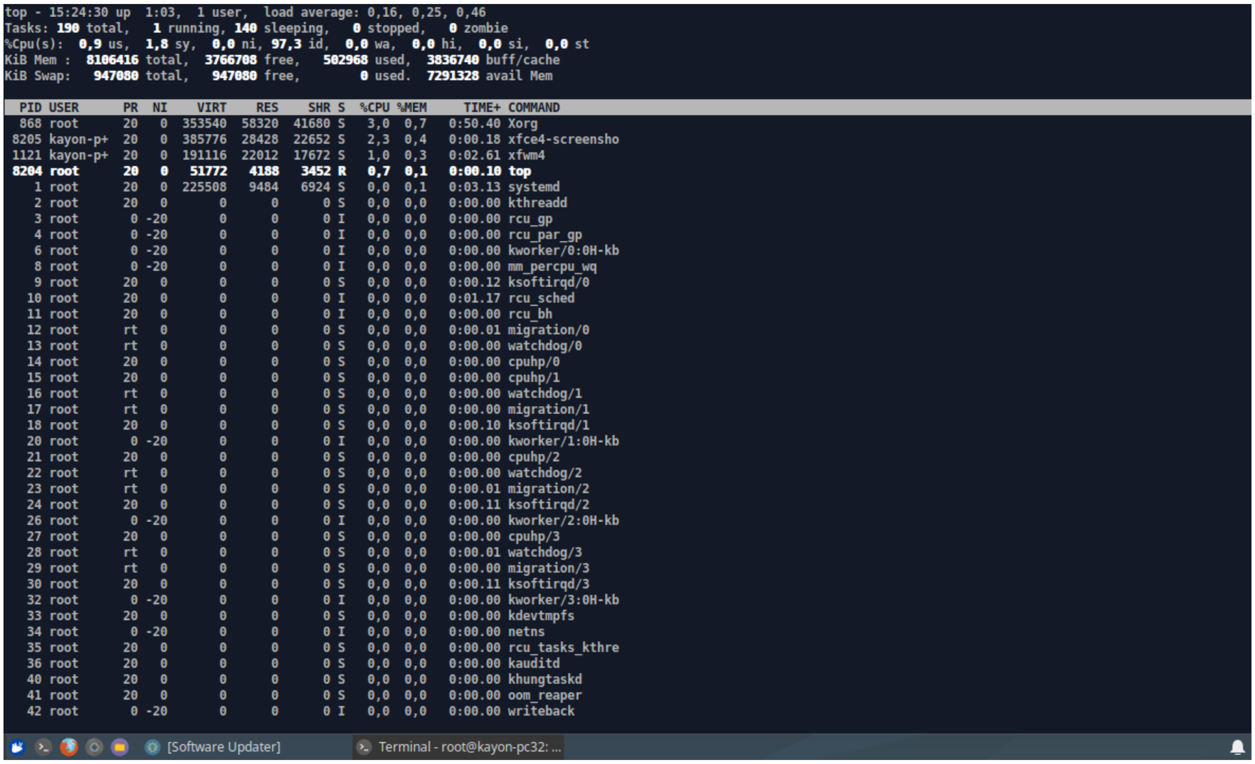
```
root@kayon-pc32:/home/kayon-pc32# ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
root@kayon-pc32:/home/kayon-pc32# ls -1
Desktop
Documents
Downloads
Music
Pictures
Public
Templates
Videos
root@kayon-pc32:/home/kayon-pc32# ls /home
kayon-pc32
root@kayon-pc32:/home/kayon-pc32# what is ls

Command 'what' not found, did you mean:

  command 'chat' from deb ppp
  command 'jhat' from deb openjdk-8-jdk-headless
  command 'wcat' from deb sac

Try: apt install <deb name>

root@kayon-pc32:/home/kayon-pc32# whatis ls
ls (1)               - list directory contents
root@kayon-pc32:/home/kayon-pc32# mkdir informatika
root@kayon-pc32:/home/kayon-pc32# rmdir informatika
root@kayon-pc32:/home/kayon-pc32# which mkdir
/bin/mkdir
root@kayon-pc32:/home/kayon-pc32# whereis mkdir
mkdir: /bin/mkdir /usr/share/man/man2/mkdir.2.gz /usr/share/man/man1/mkdir.1.gz
root@kayon-pc32:/home/kayon-pc32# 
```



```
root@kayon-pc32:/home/kayon-pc32# ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
root@kayon-pc32:/home/kayon-pc32# ls -1
Desktop
Documents
Downloads
Music
Pictures
Public
Templates
Videos
root@kayon-pc32:/home/kayon-pc32# ls /home
kayon-pc32
root@kayon-pc32:/home/kayon-pc32# what is ls

Command 'what' not found, did you mean:

  command 'chat' from deb ppp
  command 'jhat' from deb openjdk-8-jdk-headless
  command 'wcat' from deb sac

Try: apt install <deb name>

root@kayon-pc32:/home/kayon-pc32# whatis ls
ls (1)               - list directory contents
root@kayon-pc32:/home/kayon-pc32# mkdir informatika
root@kayon-pc32:/home/kayon-pc32# rmdir informatika
root@kayon-pc32:/home/kayon-pc32# which mkdir
/bin/mkdir
root@kayon-pc32:/home/kayon-pc32# whereis mkdir
mkdir: /bin/mkdir /usr/share/man/man2/mkdir.2.gz /usr/share/man/man1/mkdir.1.gz
root@kayon-pc32:/home/kayon-pc32# free
              total        used        free      shared  buff/cache   available
Mem:        8103648      408480     7040016        6636      655152     7450712
Swap:        947080           0      947080
root@kayon-pc32:/home/kayon-pc32# 
```


Terminal - root@kayon-pc32: /home/kayon-pc32
File
Edit
View
Terminal
Tabs
Help
Terminal - root@kayon-pc32: ...
08 Okt, 15:40

```
        ├─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}]
        │         ├─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───2*[{gvfs-udisks2-vo}]
        │         ├─gvfsd─┬─gvfsd-trash───2*[{gvfsd-trash}]
        │         │       └─2*[{gvfsd}]
        │         ├─gvfsd-fuse───5*[{gvfsd-fuse}]
        │         ├─indicator-messa───3*[{indicator-messa}]
        │         ├─obexd
        │         ├─tumblerd───4*[{tumblerd}]
        │         ├─xfce4-notifyd───2*[{xfce4-notifyd}]
        │         └─xfconfd
        ├─systemd-journal
        ├─systemd-logind
        ├─systemd-resolve
        ├─systemd-timesyn───{systemd-timesyn}
        ├─systemd-udevd
        ├─thermald───{thermald}
        ├─udisksd───4*[{udisksd}]
        ├─unattended-upgr───{unattended-upgr}
        ├─upowerd───2*[{upowerd}]
        ├─whoopsie───2*[{whoopsie}]
        ├─wpa_supplicant
        ├─xfce4-panel─┬─panel-1-whisker───2*[{panel-1-whisker}]
        │             ├─panel-4-systray
        │             ├─panel-5-notific───2*[{panel-5-notific}]
        │             ├─panel-6-indicat───2*[{panel-6-indicat}]
        │             ├─panel-7-statusn───2*[{panel-7-statusn}]
        │             ├─panel-8-power-m───2*[{panel-8-power-m}]
        │             ├─panel-9-pulseau───2*[{panel-9-pulseau}]
        │             └─2*[{xfce4-panel}]
        ├─xfce4-power-man───2*[{xfce4-power-man}]
        ├─xfce4-terminal─┬─bash───sudo───su───bash───pstree
        │                └─2*[{xfce4-terminal}]
        ├─xfdesktop───2*[{xfdesktop}]
        ├─xfsettingsd───2*[{xfsettingsd}]
        └─xfwm4
root@kayon-pc32:/home/kayon-pc32#
```



```
top - 15:24:30 up  1:03,  1 user,  load average: 0,16, 0,25, 0,46
Tasks: 190 total,   1 running, 140 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0,9 us,  1,8 sy,  0,0 ni, 97,3 id,  0,0 wa,  0,0 hi,  0,0 si,  0,0 st
KiB Mem :  8106416 total,  3766708 free,   502968 used,  3836740 buff/cache
KiB Swap:   947080 total,   947080 free,        0 used.  7291328 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU %MEM     TIME+ COMMAND
  868 root      20   0  353540  58320  41680 S   3,0  0,7   0:50.40 Xorg
 8205 kayon-p+  20   0  385776  28428  22652 S   2,3  0,4   0:00.18 xfce4-screensho
 1121 kayon-p+  20   0  191116  22012  17672 S   1,0  0,3   0:02.61 xfwm4
 8204 root      20   0   51772   4188   3452 R   0,7  0,1   0:00.10 top
    1 root      20   0  225508   9484   6924 S   0,0  0,1   0:03.13 systemd
    2 root      20   0       0      0      0 S   0,0  0,0   0:00.00 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
    6 root       0 -20       0      0      0 I   0,0  0,0   0:00.00 kworker/0:0H-kb
    8 root       0 -20       0      0      0 I   0,0  0,0   0:00.00 mm_percpu_wq
    9 root      20   0       0      0      0 S   0,0  0,0   0:00.12 ksoftirqd/0
   10 root      20   0       0      0      0 I   0,0  0,0   0:01.17 rcu_sched
   11 root      20   0       0      0      0 I   0,0  0,0   0:00.00 rcu_bh
   12 root      rt   0       0      0      0 S   0,0  0,0   0:00.01 migration/0
   13 root      rt   0       0      0      0 S   0,0  0,0   0:00.00 watchdog/0
   14 root      20   0       0      0      0 S   0,0  0,0   0:00.00 cpuhp/0
   15 root      20   0       0      0      0 S   0,0  0,0   0:00.00 cpuhp/1
   16 root      rt   0       0      0      0 S   0,0  0,0   0:00.00 watchdog/1
   17 root      rt   0       0      0      0 S   0,0  0,0   0:00.00 migration/1
   18 root      20   0       0      0      0 S   0,0  0,0   0:00.10 ksoftirqd/1
   20 root       0 -20       0      0      0 I   0,0  0,0   0:00.00 kworker/1:0H-kb
   21 root      20   0       0      0      0 S   0,0  0,0   0:00.00 cpuhp/2
   22 root      rt   0       0      0      0 S   0,0  0,0   0:00.00 watchdog/2
   23 root      rt   0       0      0      0 S   0,0  0,0   0:00.01 migration/2
   24 root      20   0       0      0      0 S   0,0  0,0   0:00.11 ksoftirqd/2
   26 root       0 -20       0      0      0 I   0,0  0,0   0:00.00 kworker/2:0H-kb
   27 root      20   0       0      0      0 S   0,0  0,0   0:00.00 cpuhp/3
   28 root      rt   0       0      0      0 S   0,0  0,0   0:00.01 watchdog/3
   29 root      rt   0       0      0      0 S   0,0  0,0   0:00.00 migration/3
   30 root      20   0       0      0      0 S   0,0  0,0   0:00.11 ksoftirqd/3
   32 root       0 -20       0      0      0 I   0,0  0,0   0:00.00 kworker/3:0H-kb
   33 root      20   0       0      0      0 S   0,0  0,0   0:00.00 kdevtmpfs
   34 root       0 -20       0      0      0 I   0,0  0,0   0:00.00 netns
   35 root      20   0       0      0      0 S   0,0  0,0   0:00.00 rcu_tasks_kthre
   36 root      20   0       0      0      0 S   0,0  0,0   0:00.00 kauditd
   40 root      20   0       0      0      0 S   0,0  0,0   0:00.00 khungtaskd
   41 root      20   0       0      0      0 S   0,0  0,0   0:00.00 oom_reaper
   42 root       0 -20       0      0      0 I   0,0  0,0   0:00.00 writeback
```