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Nim : L200180117
Kelas : C

Modul 5

```
Terminal - kayon-pc10@kayonpc10: ~  
File Edit View Terminal Tabs Help  
kayon-pc10@kayonpc10:~$  
kayon-pc10@kayonpc10:~$ echo halo dunia  
halo dunia  
kayon-pc10@kayonpc10:~$ date  
Sel Nov  5 10:45:37 WIB 2019  
kayon-pc10@kayonpc10:~$ hostname  
kayonpc10  
kayon-pc10@kayonpc10:~$ arch  
x86_64  
kayon-pc10@kayonpc10:~$ uname -a  
Linux kayonpc10 5.0.0-31-generic #33-18.04.1-Ubuntu SMP Tue Oct 1 10:20:39 UTC 2019 x86_64 x86_64 x86_64 GNU/Linux  
kayon-pc10@kayonpc10:~$ dmesg | more  
[ 0.000000] microcode: microcode updated early to revision 0x27, date = 2019-  
02-26  
[ 0.000000] Linux version 5.0.0-31-generic (build@lgw01-amd64-046) (gcc vers  
ion 7.4.0 (Ubuntu 7.4.0-1ubuntu1-18.04.1)) #33-18.04.1-Ubuntu SMP Tue Oct 1 10:2  
0:39 UTC 2019 (Ubuntu 5.0.0-31.33-18.04.1-generic 5.0.21)  
[ 0.000000] Command line: BOOT_IMAGE=/boot/vmlinuz-5.0.0-31-generic root=UUID  
=d43b4bb9-b6ca-44cd-880d-d3434dd070f2 ro quiet splash vt.handoff=1  
[ 0.000000] KERNEL supported cpus:  
[ 0.000000] Intel GenuineIntel  
[ 0.000000] AMD AuthenticAMD  
[ 0.000000] Hygon HygonGenuine  
[ 0.000000] Centaur CentaurHauls  
[ 0.000000] x86/fpu: Supporting XSAVE feature 0x001: 'x87 floating point regi  
sters'  
[ 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 0x000000000009e000-0x000000000009ffff] reserved  
kayon-pc10@kayonpc10:~$  
kayon-pc10@kayonpc10:~$ q  
Command 'q' not found, but can be installed with:  
  
sudo snap install q # version 1.6.3-1, or  
sudo apt install python-q-text-as-data  
sudo apt install python3-q-text-as-data  
See 'snap info q' for additional versions.
```

```
Terminal - kayon-pc10@kayonpc10: ~  
File Edit View Terminal Tabs Help  
kayon-pc10@kayonpc10:~$ uptime  
10:47:23 up 14 min, 1 user, load average: 0.00, 0.04, 0.09  
kayon-pc10@kayonpc10:~$ whoami  
kayon-pc10  
kayon-pc10@kayonpc10:~$ who  
kayon-pc10 tty7 2019-11-05 17:33 (:0)  
kayon-pc10@kayonpc10:~$ id  
uid=1000(kayon-pc10) gid=1000(kayon-pc10) groups=1000(kayon-pc10),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),118(lpadmin),126(sambashare)  
kayon-pc10@kayonpc10:~$ last  
wtap begins Tue Nov  5 10:37:59 2019  
kayon-pc10@kayonpc10:~$ finger  
Login Name Tty Idle Login Time Office Office Phone  
kayon-pc10 kayon-pc10 tty7 Nov  5 17:33 (:0)  
kayon-pc10@kayonpc10:~$ w  
10:47:49 up 15 min, 1 user, load average: 0.00, 0.04, 0.08  
USER TTY FROM LOGIN# IDLE JCPU PCPU WHAT  
kayon-pc10 tty7 :0 17:33 ? 2.21s 0.01s /bin/sh /etc/xd  
kayon-pc10@kayonpc10:~$ top  
top - 10:47:59 up 15 min, 1 user, load average: 0.00, 0.04, 0.08  
Tasks: 179 total, 1 running, 131 sleeping, 0 stopped, 0 zombie  
%Cpu(s): 0.1 us, 0.1 sy, 0.0 ni, 99.8 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st  
KiB Mem : 8183664 total, 6747480 free, 471064 used, 885120 buff/cache  
KiB Swap: 947028 total, 947028 free, 0 used, 7355584 avail Mem  


| PID  | USER       | PR  | NI  | VIRT   | RES   | SHR   | S | %CPU | %MEM | TIME+   | COMMAND      |
|------|------------|-----|-----|--------|-------|-------|---|------|------|---------|--------------|
| 10   | root       | 20  | 0   | 0      | 0     | 0     | I | 0.3  | 0.0  | 0:02.33 | rcu_sched    |
| 941  | root       | 20  | 0   | 353952 | 56692 | 41592 | S | 0.3  | 0.7  | 0:02.23 | Xorg         |
| 956  | root       | -51 | 0   | 0      | 0     | 0     | S | 0.3  | 0.0  | 0:01.02 | irq/28-nvi+  |
| 2976 | kayon-pc10 | 20  | 0   | 51648  | 4016  | 3380  | R | 0.3  | 0.0  | 0:00.02 | top          |
| 1    | root       | 20  | 0   | 159888 | 9140  | 6700  | S | 0.0  | 0.1  | 0:01.18 | 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 | ksworker/0:+ |
| 8    | root       | 0   | -20 | 0      | 0     | 0     | I | 0.0  | 0.0  | 0:00.00 | mm_percpu+   |
| 9    | root       | 20  | 0   | 0      | 0     | 0     | S | 0.0  | 0.0  | 0:00.00 | ksoftirqd/0  |
| 11   | root       | rt  | 0   | 0      | 0     | 0     | S | 0.0  | 0.0  | 0:00.00 | migration/0  |
| 12   | root       | -51 | 0   | 0      | 0     | 0     | S | 0.0  | 0.0  | 0:00.00 | idle_injec+  |
| 13   | root       | 20  | 0   | 0      | 0     | 0     | I | 0.0  | 0.0  | 0:00.00 | ksworker/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       | -51 | 0   | 0      | 0     | 0     | S | 0.0  | 0.0  | 0:00.00 | idle_injec+  |

  
kayon-pc10@kayonpc10:~$ q
```

```
Terminal - kayon-pc10@kayonpc10: ~
File Edit View Terminal Tabs Help
kayon-pc10@kayonpc10:~$ q
Command 'q' not found, but can be installed with:

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sudo apt install python-q-text-as-data
sudo apt install python3-q-text-as-data

See 'snap info q' for additional versions.

kayon-pc10@kayonpc10:~$ echo $SHELL
/bin/bash
kayon-pc10@kayonpc10:~$ echo {con,pre}{sent,fer}{s,ed}
{con,pre}sents pre)sented pre}fers pre}fered
kayon-pc10@kayonpc10:~$ man ls
No manual entry for ls
kayon-pc10@kayonpc10:~$ man ls
kayon-pc10@kayonpc10:~$ 
kayon-pc10@kayonpc10:~$ q
Command 'q' not found, but can be installed with:

sudo snap install q # version 1.6.3-1, or
sudo apt install python-q-text-as-data
sudo apt install python3-q-text-as-data

See 'snap info q' for additional versions.

kayon-pc10@kayonpc10:~$ man who
kayon-pc10@kayonpc10:~$ q
Command 'q' not found, but can be installed with:

sudo snap install q # version 1.6.3-1, or
sudo apt install python-q-text-as-data
sudo apt install python3-q-text-as-data

See 'snap info q' for additional versions.

kayon-pc10@kayonpc10:~$ who can tell me about linux
who: extra operand 'me'
Try 'who --help' for more information.
kayon-pc10@kayonpc10:~$ last

wtmp begins Tue Nov 5 10:37:59 2019
kayon-pc10@kayonpc10:~$ df -h
```

```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
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 1/207 20% (press h for help or q to quit)
```

```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs 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
      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)
```

```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
/dev/sda3 409602048 935813119 526211072 250,96 7 HPFS/NTFS/exFAT
/dev/sda4 935813120 976771071 40957952 19,56 83 Linux

root@kayonpc10:/home/kayon-pc10# ma ls
ma: command not found
root@kayonpc10:/home/kayon-pc10# man ls
root@kayonpc10:/home/kayon-pc10# man who
root@kayonpc10:/home/kayon-pc10# man ls
root@kayonpc10:/home/kayon-pc10# man who
root@kayonpc10:/home/kayon-pc10# who can tell me about linux
who: extra operand 'me'
Try 'who --help' for more information.
root@kayonpc10:/home/kayon-pc10# last

wtmp begins Tue Nov  5 10:37:59 2019
root@kayonpc10:/home/kayon-pc10# fdisk -l
Disk /dev/sda: 465,9 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: 0x80e875a7

Device Boot      Start         End      Sectors  Size Id Type
/dev/sda1 *        2048      206847       204800   100M 7 HPFS/NTFS/exFAT
/dev/sda2          206848    409602047    409395200   195,2G 7 HPFS/NTFS/exFAT
/dev/sda3     409602048    935813119    526211072   250,9G 7 HPFS/NTFS/exFAT
/dev/sda4     935813120    976771071    40957952    19,5G 83 Linux

root@kayonpc10:/home/kayon-pc10# users
kayon-pc10
root@kayonpc10:/home/kayon-pc10# 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=d43b4bb9-b6ca-44cd-880d-d3434dd070f2 /      ext4    errors=remount-ro 0    1
/swapfile none    swap    sw        0    0
root@kayonpc10:/home/kayon-pc10#
```

```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
# <file system> <mount point> <type> <options> <dump> <pass>
# / was on /dev/sda4 during installation
UUID=4b4bb9-b6ca-44cd-880d-d3434dd070f2 / ext4 errors=remount-ro 0 1
/swapfile /swapfile none swap sw 0 0
root@kayonpc10:/home/kayon-pc10# cal 2000
      2000
   Januari      Februari      Maret
Mi Se Sa Ra Ka Ju Sa Mi Se Sa Ra Ka Ju Sa Mi Se Sa Ra Ka Ju Sa
1 1 2 3 4 5 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
I
      April      Mei      Juni
Mi Se Sa Ra Ka Ju Sa Mi Se Sa Ra Ka Ju Sa Mi Se Sa Ra Ka Ju Sa
1 1 2 3 4 5 6 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 Sa Ra Ka Ju Sa Mi Se Sa Ra Ka Ju Sa Mi Se Sa Ra Ka Ju Sa
1 1 2 3 4 5 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 Sa Ra Ka Ju Sa Mi Se Sa Ra Ka Ju Sa Mi Se Sa 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@kayonpc10:/home/kayon-pc10# cal 9 1752
      September 1752
Mi Se Sa Ra Ka Ju Sa
1 2 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
root@kayonpc10:/home/kayon-pc10# cal 10 2007
      Oktober 2007
Mi Se Sa 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@kayonpc10:/home/kayon-pc10# 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'.
q
0
bc -l
0
echo 5+4 | bc -l
(standard_in) 3: syntax error
(standard_in) 3: illegal character: |
(standard_in) 3: syntax error
quit
root@kayonpc10:/home/kayon-pc10# echo 5+4 | bc -l
9
root@kayonpc10:/home/kayon-pc10# yes please
```

```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
30 31
      Oktober      November      Desember
Mi Se Sa Ra Ka Ju Sa Mi Se Sa Ra Ka Ju Sa Mi Se Sa 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@kayonpc10:/home/kayon-pc10# cal 9 1752
      September 1752
Mi Se Sa Ra Ka Ju Sa
1 2 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
root@kayonpc10:/home/kayon-pc10# cal 10 2007
      Oktober 2007
Mi Se Sa 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@kayonpc10:/home/kayon-pc10# 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'.
q
0
bc -l
0
echo 5+4 | bc -l
(standard_in) 3: syntax error
(standard_in) 3: illegal character: |
(standard_in) 3: syntax error
quit
root@kayonpc10:/home/kayon-pc10# echo 5+4 | bc -l
9
root@kayonpc10:/home/kayon-pc10# yes please
```



```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
1023 cal
1024 cal 8 2010
1025 history
1026 cal 2017
1027 date
1028 dir
1029 last
1030 who
1031 echo 2000 + 18
1032 echo 2000 + 18 | -l
1033 ipconfig
1034 iconfig
1035 config
1036 echo ums
1037 who
1038 hostname
1039 cal 7 2017
1040 history
1041 cal 2017
1042 date
1043 dir
1044 config
1045 echo 2000 + 18 | -l
1046 fdisk -l
1047 ma ls
1048 man ls
1049 man who
1050 man ls
1051 man who
1052 who can tell me about linux
1053 last
1054 fdisk -l
1055 users
1056 cat /etc/fstab
1057 cal 2000
1058 cal 9 1752
1059 cal 10 2007
1060 bc -l
1061 echo 5+4 | bc -l
1062 yes please
1063 pwd
1064 history
1065 pwd
1066 history
root@kayonpc10: /home/kayon-pc10#
```

```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
rtkit 1852 0.0 0.0 183500 3016 ? Ssl 10:33 0:00 /usr/lib/rtkit/rtkit-daemon
root 1859 0.0 0.1 322792 8284 ? Ssl 10:33 0:00 /usr/lib/upower/upowerd
kayon-pc1 1860 0.0 0.1 415240 15912 ? Ssl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/notifyd/xfce4-notifyd
kayon-pc1 1890 0.0 0.4 492832 36380 ? Sl 10:33 0:02 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libwhiskermenu.so 1 10485785 whi
kayon-pc1 1898 0.0 0.1 177140 14616 ? S 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-1.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libstray.so 4 10485786 stray
kayon-pc1 1899 0.0 0.3 404064 11064 ? Sl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libnotification-plugin.so 5 1048
kayon-pc1 1890 0.0 0.3 480194 29980 ? Sl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libindicator-plugin.so 6 1048578
kayon-pc1 1901 0.0 0.4 557964 33516 ? Sl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libstatusnotifier.so 7 10485789
kayon-pc1 1902 0.0 0.4 406300 33016 ? Sl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libxfce4powermanager.so 8 104857
kayon-pc1 1903 0.0 0.4 700192 34804 ? Sl 10:33 0:03 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libpulseaudio-plugin.so 9 104857
kayon-pc1 1928 0.0 0.1 306908 8564 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-udisks2-volume-monitor
kayon-pc1 1929 0.0 0.0 373436 7676 ? Ssl 10:33 0:00 /usr/lib/x86_64-linux-gnu/indicator-messages/indicator-messages-service
kayon-pc1 1938 0.0 0.0 289264 6720 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-gphoto2-volume-monitor
kayon-pc1 1946 0.0 0.0 274512 6056 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-goa-volume-monitor
kayon-pc1 1950 0.0 0.0 276340 6092 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-mtp-volume-monitor
kayon-pc1 1954 0.0 0.0 379280 7692 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-afc-volume-monitor
kayon-pc1 1962 0.0 0.0 368544 7404 ? Sl 10:33 0:00 /usr/lib/gvfs/gvfsd-trash --spawner :1.19 /org/gtk/gvfs/exec_spaw/0
root 2092 0.0 0.1 374164 13856 ? Ssl 10:33 0:00 /usr/lib/packagekit/packagekitd
kayon-pc1 2165 0.0 0.0 82724 6908 ? Ss 10:33 0:00 /usr/lib/bluetooth/obexd
root 2862 0.0 0.1 108148 8124 ? Ss 10:37 0:00 /usr/sbin/cupsd -l
root 2863 0.0 0.1 303520 10852 ? Ssl 10:37 0:00 /usr/sbin/cups-browsed
root 2867 0.0 0.0 0 0 ? I 10:37 0:00 [kworker/0:8-cgr]
kayon-pc1 2928 0.0 0.4 559764 37100 ? Sl 10:42 0:00 xfce4-appfinder
kayon-pc1 2936 0.7 0.5 591696 43908 ? Sl 10:42 0:19 /usr/bin/xfce4-terminal
kayon-pc1 2940 0.0 0.0 30032 5020 pts/0 Ss 10:42 0:00 bash
root 2975 0.0 0.0 0 0 ? I 10:47 0:00 [kworker/1:1-cgr]
kayon-pc1 3097 0.0 0.0 204836 4836 ? Ssl 10:53 0:00 /usr/lib/gvfs/gvfs-metadata
kayon-pc1 3100 0.0 0.0 153012 6232 ? Sl 10:54 0:00 /usr/lib/libreoffice/program/soffice --writer
kayon-pc1 3125 5.7 3.4 1481156 279540 ? Sl 10:54 1:52 /usr/lib/libreoffice/program/soffice.bin --writer --splash-pipes5
kayon-pc1 3938 0.0 0.0 444484 7992 ? Sl 10:56 0:00 /usr/lib/gvfs/gvfsd-network --spawner :1.19 /org/gtk/gvfs/exec_spaw/2
kayon-pc1 3956 0.0 0.2 772840 18324 ? Sl 10:56 0:00 /usr/lib/gvfs/gvfsd-smb-browse --spawner :1.19 /org/gtk/gvfs/exec_spaw/6
kayon-pc1 3969 0.0 0.0 529356 8100 ? Sl 10:56 0:00 /usr/lib/gvfs/gvfsd-dnssd --spawner :1.19 /org/gtk/gvfs/exec_spaw/7
root 4843 0.0 0.0 73424 4512 pts/0 S 11:03 0:00 sudo su
root 4844 0.0 0.0 72712 3936 pts/0 S 11:04 0:00 su
root 4845 0.0 0.0 36084 5044 pts/0 S 11:04 0:00 bash
kayon-pc1 4921 0.0 0.2 455120 20620 ? SNI 11:06 0:00 /usr/lib/x86_64-linux-gnu/tumbler-1/tumblerd
root 4953 0.1 0.0 0 0 ? I 11:07 0:01 [kworker/u8:3-ev]
root 6025 0.0 0.0 0 0 ? I 11:09 0:00 [kworker/2:2-cgr]
root 6333 0.1 0.0 0 0 ? I 11:19 0:00 [kworker/u8:0-ev]
root 9324 0.0 0.0 0 0 ? I 11:24 0:00 [kworker/u8:1]
root 9379 0.0 0.0 47236 3756 pts/0 R+ 11:26 0:00 ps -aux
root@kayonpc10: /home/kayon-pc10# tail -f /var/log/message
tail: cannot open '/var/log/message' for reading: No such file or directory
root@kayonpc10: /home/kayon-pc10# lsmod
```

```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
snd_timer 36864 2 snd_seq,snd_pcm
snd 86016 15 snd_hda_codec_generic,snd_seq,snd_seq_device,snd_hda_codec_hdmi,snd_hwdep,snd_hda_intel,snd_hda_codec,snd_hda_codec_realtek,snd_timer,snd_pcm,snd_rawmidi
soundcore 16384 1 snd
tpc_ich 24576 0
mei_me 40960 0
mei 106496 1 mei_me
nvidia_uvm 819200 0
mac_hid 16384 0
sch_fq_codel 20480 2
parport_pc 36864 1
ppdev 24576 0
lp 20480 0
parport 53248 3 parport_pc,lp,ppdev
ip_tables 32768 0
x_tables 40960 1 ip_tables
autofs4 45056 2
btrfs 1175552 0
xor 24576 1 btrfs
zstd_compress 163840 1 btrfs
raid0_pq 114608 1 btrfs
libcrc32c 16384 1 btrfs
dm_mirror 24576 0
dm_region_hash 20480 1 dm_mirror
dm_log 20480 2 dm_region_hash,dm_mirror
hid_generic 16384 0
usbhid 53248 0
hid 126976 2 usbhid,hid_generic
nvidia_drm 49152 3
nvidia_modeset 1110016 3 nvidia_drm
nvidia 18792448 85 nvidia_uvm,nvidia_modeset
drm_kms_helper 180224 1 nvidia_drm
syscopyarea 16384 1 drm_kms_helper
sysfillrect 16384 1 drm_kms_helper
sysimgblt 16384 1 drm_kms_helper
fb_sys_fops 16384 1 drm_kms_helper
drm 46328 6 drm_kms_helper,nvidia_drm
ahci 40960 1
rs169 86016 0
libahci 32768 1 ahci
ipmi_devintf 20480 0
realtek 20480 0
ipmi_msghandler 102400 2 ipmi_devintf,nvidia
wmi 28672 2 asus_wmi,wmi_bmof
video 49152 1 asus_wmi
root@kayonpc10: /home/kayon-pc10# ps -aux
```

```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
kayon-pc1 1830 0.0 0.2 332340 21800 ? Ssl 10:33 0:00 /usr/lib/policykit-1-gnome/polkit-gnome-authentication-agent-1
kayon-pc1 1849 0.0 0.1 574768 11320 ? S< 10:33 0:00 /usr/bin/pulseaudio --start --log-target=syslog
rtkit 1852 0.0 0.0 183560 3016 ? SNI 10:33 0:00 /usr/lib/rtkit/rtkit-daemon
root 1859 0.0 0.1 327992 8284 ? Ssl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/notifyd/xfce4-notifyd
kayon-pc1 1860 0.0 0.1 415240 13012 ? Ssl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libwhiskermenu.so 1 10485785 whi
kayon-pc1 1890 0.0 0.4 492832 36380 ? Ssl 10:33 0:02 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libsysstray.so 4 10485786 sysstray
kayon-pc1 1898 0.0 0.1 177140 14616 ? S 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-1.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libsysstray.so 4 10485786 sysstray
kayon-pc1 1899 0.0 0.3 404064 31084 ? Ssl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libnotification-plugin.so 5 1048
kayon-pc1 1900 0.0 0.3 480184 29980 ? Ssl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libindicator-plugin.so 6 1048578
kayon-pc1 1901 0.0 0.4 557964 33516 ? Ssl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libstatusnotifier.so 7 10485789
kayon-pc1 1902 0.0 0.4 460360 3308 ? Ssl 10:33 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libxfce4powermanager.so 8 104857
kayon-pc1 1903 0.0 0.4 700192 34084 ? Ssl 10:33 0:03 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libpulseaudio-plugin.so 9 104857
kayon-pc1 1928 0.0 0.1 306908 8564 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-udisks2-volume-monitor
kayon-pc1 1929 0.0 0.0 373436 7676 ? Ssl 10:33 0:00 /usr/lib/x86_64-linux-gnu/indicator-messages/indicator-messages-service
kayon-pc1 1938 0.0 0.0 289264 6720 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-gphoto2-volume-monitor
kayon-pc1 1946 0.0 0.0 274512 6056 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-goa-volume-monitor
kayon-pc1 1950 0.0 0.0 276340 6092 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-mtp-volume-monitor
kayon-pc1 1954 0.0 0.0 379280 7692 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfs-afc-volume-monitor
kayon-pc1 1962 0.0 0.0 368544 7404 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfsd-trash --spawner :1.19 /org/gtk/gvfs/exec_spaw/0
root 2092 0.0 0.1 374164 13856 ? Ssl 10:33 0:00 /usr/lib/packagekit/packagekitd
kayon-pc1 2165 0.0 0.0 82724 6908 ? Ss 10:33 0:00 /usr/lib/bluetooth/obexd
root 2862 0.0 0.1 108148 8124 ? Ss 10:37 0:00 /usr/sbin/cupsd -l
root 2863 0.0 0.1 303520 10852 ? Ssl 10:37 0:00 /usr/sbin/cups-browsed
root 2867 0.0 0.0 0 0 ? I 10:37 0:00 [kworker/0:0-cgr]
kayon-pc1 2928 0.0 0.4 559764 37100 ? Ssl 10:42 0:00 xfce4-appfinder
kayon-pc1 2936 0.7 0.5 591696 43900 ? RL 10:42 0:20 /usr/bin/xfce4-terminal
kayon-pc1 2940 0.0 0.0 30032 5020 pts/0 Ss 10:42 0:00 bash
root 2975 0.0 0.0 0 0 ? I 10:47 0:00 [kworker/1:1-cgr]
kayon-pc1 3097 0.0 0.0 204836 4836 ? Ssl 10:53 0:00 /usr/lib/gvfs/gvfsd-metadata
kayon-pc1 3108 0.0 0.0 153012 6232 ? Ssl 10:54 0:00 /usr/lib/libreoffice/program/oosplash --writer
kayon-pc1 3125 5.9 3.5 1481992 285080 ? Ssl 10:54 2:14 /usr/lib/libreoffice/program/soffice.bin --writer --splash-pipe=5
kayon-pc1 3938 0.0 0.0 444484 7992 ? Ssl 10:56 0:00 /usr/lib/gvfs/gvfsd-network --spawner :1.19 /org/gtk/gvfs/exec_spaw/2
kayon-pc1 3956 0.0 0.2 772848 18324 ? Ssl 10:56 0:00 /usr/lib/gvfs/gvfsd-smb-browse --spawner :1.19 /org/gtk/gvfs/exec_spaw/6
kayon-pc1 3969 0.0 0.0 529356 8100 ? Ssl 10:56 0:00 /usr/lib/gvfs/gvfsd-dnssd --spawner :1.19 /org/gtk/gvfs/exec_spaw/7
root 4843 0.0 0.0 73424 4512 pts/0 S 11:03 0:00 sudo su
root 4844 0.0 0.0 72712 3936 pts/0 S 11:04 0:00 su
root 4845 0.0 0.0 30084 5044 pts/0 S 11:04 0:00 bash
kayon-pc1 4921 0.0 0.2 455120 20620 ? SNI 11:06 0:00 /usr/lib/x86_64-linux-gnu/tumbler-1/tumblerd
root 4953 0.1 0.0 0 0 ? I 11:07 0:01 [kworker/u8:3-ev]
root 6025 0.0 0.0 0 0 ? I 11:09 0:00 [kworker/2:2-cgr]
root 6333 0.0 0.0 0 0 ? I 11:19 0:00 [kworker/u8:0-ev]
kayon-pc1 10144 0.3 0.5 535060 47572 ? Ssl 11:27 0:00 ristretto /home/kayon-pc10/Documents/linux 12.png
root 10671 0.0 0.0 0 0 ? I 11:30 0:00 [kworker/u8:1-ev]
root 10715 0.0 0.0 47236 3704 pts/0 R+ 11:31 0:00 ps -aux
root@kayonpc10: /home/kayon-pc10# lspci
```



```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
kayon-pc1 1962 0.0 0.0 368544 7484 ? Ssl 10:33 0:00 /usr/lib/gvfs/gvfsd-trash --spawner :1.19 /org/gtk/gvfs/exec_spaw/0
root 2092 0.0 0.1 374164 13856 ? Ssl 10:33 0:00 /usr/lib/packagekit/packagekitd
kayon-pc1 2165 0.0 0.0 82724 6908 ? Ss 10:33 0:00 /usr/lib/bluetooth/obexd
root 2862 0.0 0.1 108148 8124 ? Ss 10:37 0:00 /usr/sbin/cupsd -l
root 2863 0.0 0.1 303520 10852 ? Ssl 10:37 0:00 /usr/sbin/cups-browsed
root 2867 0.0 0.0 0 0 ? I 10:37 0:00 [worker/0:0-cgr]
kayon-pc1 2928 0.0 0.4 559764 37100 ? Ssl 10:42 0:00 xfce4-appfinder
kayon-pc1 2936 0.7 0.5 591696 43908 ? RL 10:42 0:20 /usr/bin/xfce4-terminal
kayon-pc1 2940 0.0 0.0 30032 5020 pts/0 Ss 10:42 0:00 bash
root 2975 0.0 0.0 0 0 ? I 10:47 0:00 [worker/1:1-cgr]
kayon-pc1 3097 0.0 0.0 204836 4836 ? Ssl 10:53 0:00 /usr/lib/gvfs/gvfsd-metadata
kayon-pc1 3108 0.0 0.0 153012 6232 ? Ssl 10:54 0:00 /usr/lib/libreoffice/program/soffice --writer
kayon-pc1 3125 5.9 3.5 1481992 285080 ? Ssl 10:54 2:14 /usr/lib/libreoffice/program/soffice.bin --writer --splash-pipe=5
kayon-pc1 3938 0.0 0.0 444484 7992 ? Ssl 10:56 0:00 /usr/lib/gvfs/gvfsd-network --spawner :1.19 /org/gtk/gvfs/exec_spaw/2
kayon-pc1 3956 0.0 0.2 772848 18324 ? Ssl 10:56 0:00 /usr/lib/gvfs/gvfsd-smb-browse --spawner :1.19 /org/gtk/gvfs/exec_spaw/6
kayon-pc1 3969 0.0 0.0 529356 8100 ? Ssl 10:56 0:00 /usr/lib/gvfs/gvfsd-dnssd --spawner :1.19 /org/gtk/gvfs/exec_spaw/7
root 4843 0.0 0.0 73424 4512 pts/0 S 11:03 0:00 sudo su
root 4844 0.0 0.0 72712 3936 pts/0 S 11:04 0:00 su
root 4845 0.0 0.0 30084 5044 pts/0 S 11:04 0:00 bash
kayon-pc1 4921 0.0 0.2 455120 20620 ? SNL 11:06 0:00 /usr/lib/x86_64-linux-gnu/tumbler-1/tumblerd
root 4953 0.1 0.0 0 0 ? I 11:07 0:01 [worker/u8:3-ev]
root 6025 0.0 0.0 0 0 ? I 11:09 0:00 [worker/2:2-cgr]
root 6333 0.0 0.0 0 0 ? I 11:19 0:00 [worker/u8:0-ev]
kayon-pc1 10144 0.3 0.5 535060 47572 ? Ssl 11:27 0:00 ristretto /home/kayon-pc10/Documents/linux 12.png
root 10671 0.0 0.0 0 0 ? I 11:30 0:00 [worker/u8:1-ev]
root 10715 0.0 0.0 47236 3704 pts/0 R+ 11:31 0:00 ps -aux
root@kayonpc10:/home/kayon-pc10# 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@kayonpc10:/home/kayon-pc10# free
```

```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
root 2863 0.0 0.1 303520 10852 ? Ssl 10:37 0:00 /usr/sbin/cups-browsed
root 2867 0.0 0.0 0 0 ? I 10:37 0:00 [worker/0:0-cgr]
kayon-pc1 2928 0.0 0.4 559764 37100 ? Ssl 10:42 0:00 xfce4-appfinder
kayon-pc1 2936 0.7 0.5 591696 43908 ? RL 10:42 0:20 /usr/bin/xfce4-terminal
kayon-pc1 2940 0.0 0.0 30032 5020 pts/0 Ss 10:42 0:00 bash
root 2975 0.0 0.0 0 0 ? I 10:47 0:00 [worker/1:1-cgr]
kayon-pc1 3097 0.0 0.0 204836 4836 ? Ssl 10:53 0:00 /usr/lib/gvfs/gvfsd-metadata
kayon-pc1 3108 0.0 0.0 153012 6232 ? Ssl 10:54 0:00 /usr/lib/libreoffice/program/soffice --writer
kayon-pc1 3125 5.9 3.5 1481992 285080 ? Ssl 10:54 2:14 /usr/lib/libreoffice/program/soffice.bin --writer --splash-pipe=5
kayon-pc1 3938 0.0 0.0 444484 7992 ? Ssl 10:56 0:00 /usr/lib/gvfs/gvfsd-network --spawner :1.19 /org/gtk/gvfs/exec_spaw/2
kayon-pc1 3956 0.0 0.2 772848 18324 ? Ssl 10:56 0:00 /usr/lib/gvfs/gvfsd-smb-browse --spawner :1.19 /org/gtk/gvfs/exec_spaw/6
kayon-pc1 3969 0.0 0.0 529356 8100 ? Ssl 10:56 0:00 /usr/lib/gvfs/gvfsd-dnssd --spawner :1.19 /org/gtk/gvfs/exec_spaw/7
root 4843 0.0 0.0 73424 4512 pts/0 S 11:03 0:00 sudo su
root 4844 0.0 0.0 72712 3936 pts/0 S 11:04 0:00 su
root 4845 0.0 0.0 30084 5044 pts/0 S 11:04 0:00 bash
kayon-pc1 4921 0.0 0.2 455120 20620 ? SNL 11:06 0:00 /usr/lib/x86_64-linux-gnu/tumbler-1/tumblerd
root 4953 0.1 0.0 0 0 ? I 11:07 0:01 [worker/u8:3-ev]
root 6025 0.0 0.0 0 0 ? I 11:09 0:00 [worker/2:2-cgr]
root 6333 0.0 0.0 0 0 ? I 11:19 0:00 [worker/u8:0-ev]
kayon-pc1 10144 0.3 0.5 535060 47572 ? Ssl 11:27 0:00 ristretto /home/kayon-pc10/Documents/linux 12.png
root 10671 0.0 0.0 0 0 ? I 11:30 0:00 [worker/u8:1-ev]
root 10715 0.0 0.0 47236 3704 pts/0 R+ 11:31 0:00 ps -aux
root@kayonpc10:/home/kayon-pc10# 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@kayonpc10:/home/kayon-pc10# free
              total        used        free      shared  buff/cache   available
Mem:           8103664       608848       6371028       31160      1123788       7192880
Swap:          947028            0         947028
root@kayonpc10:/home/kayon-pc10# cat /proc/cpuinfo
```



```
Terminal - root@kayonpc10: /home/kayon-pc10
File Edit View Terminal Tabs Help
kayon-pc 3125 5.9 3.5 1481992 285080 ? SL 10:54 2:14 /usr/lib/libreoffice/program/soffice.bin --writer --splash-pipe=5
kayon-pc 3938 0.0 0.0 444484 7992 ? SL 10:56 0:00 /usr/lib/gvfs/gvfsd-network --spawner :1.19 /org/gtk/gvfs/exec_spaw/2
kayon-pc 3956 0.0 0.2 772848 18324 ? SL 10:56 0:00 /usr/lib/gvfs/gvfsd-smb-browse --spawner :1.19 /org/gtk/gvfs/exec_spaw/6
kayon-pc 3969 0.0 0.0 529356 8100 ? SL 10:56 0:00 /usr/lib/gvfs/gvfsd-dnssd --spawner :1.19 /org/gtk/gvfs/exec_spaw/7
root 4843 0.0 0.0 73424 4512 pts/0 S 11:03 0:00 sudo su
root 4844 0.0 0.0 72712 3936 pts/0 S 11:04 0:00 su
root 4845 0.0 0.0 30084 5044 pts/0 S 11:04 0:00 bash
kayon-pc 4921 0.0 0.2 455120 20620 ? SML 11:06 0:00 /usr/lib/x86_64-linux-gnu/tumbler-1/tumblerd
root 4953 0.1 0.0 0 0 ? I 11:07 0:01 [kworker/u8:3-ev]
root 6025 0.0 0.0 0 0 ? I 11:09 0:00 [kworker/2:2-cgr]
root 6333 0.0 0.0 0 0 ? I 11:19 0:00 [kworker/u8:0-ev]
kayon-pc 10144 0.3 0.5 535060 47572 ? SL 11:27 0:00 ristretto /home/kayon-pc10/Documents/linux 12.png
root 10671 0.0 0.0 0 0 ? I 11:30 0:00 [kworker/u8:1-ev]
root 10715 0.0 0.0 47236 3704 pts/0 R+ 11:31 0:00 ps -axu
root@kayonpc10: /home/kayon-pc10# 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@kayonpc10: /home/kayon-pc10# free
              total        used        free      shared  buff/cache       available
Mem:           8103664        608848        6371028          31160        1123788        7192880
Swap:              947028              0          947028
root@kayonpc10: /home/kayon-pc10# cat /proc/cpuinfo
bash: cat /proc/cpuinfo: No such file or directory
root@kayonpc10: /home/kayon-pc10# finger root
Login: root                Name: root
Directory: /root           Shell: /bin/bash
Never logged in.
No mail.
No Plan.
root@kayonpc10: /home/kayon-pc10#
```

Fungsi perintah diatas :

Echo : untuk menampilkan baris teks

Date : untuk menampilkan tanggal

Hostname : Melihat nama dari komputer yang sedang dipakai / aktif.

Arch : menampilkan procesor

Uname -a : menampilkan informasi system kernel

Dmesg : Mencetak pesan-pesan pada waktu proses boot

More : Untuk menampilkan sesuatu layar per layar

Uptime : Melihat jumlah waktu pemakaian komputer oleh seseorang, terhitung proses reboot terakhir

Whoami : Menampilkan nama dari yang Login saja, tanpa informasi yang lain.

Who : untuk menampilkan user

Id : Melihat ID yang ada di Linux, baik ID dari User, Grup, Device yang terpasang.

Last : Melihat user sebelumnya yang telah login di komputer.

Finger : Melihat informasi user yang telah ditambahkan oleh perintah “chfn”.

W : Melihat siapa saja yang sedang Login dengan informasi yang sangat lengkap.

Top : untuk melihat proses secara urut

Echo \$SHELL: untuk menampilkan shell yang sedang aktif saat itu

Man : digunakan untuk melihat manual dari command tertentu

Last : Melihat user sebelumnya yang telah login di komputer

Clear : untuk membersihkan terminal

Fdisk -l : untuk menampilkan partisi

Users : menampilkan nama pengguna

Cat : biasanya digunakan untuk melihat(tanpa edit) content dari sebuah file text

cat /proc/cpuinfo : Cpu info. Melihat file pada /proc directori yang bukan merupakan file nyata (not real files).

Cal : untuk menampilkan kalender

Bc -l : menampilkan versi bc

Yes : Cetak string sampai di interrupt

Pwd : untuk melihat direktori aktif

History : untuk melihat riwayat

Tail : mendefinisikan sebuah data pada file menurut barisnya

Lsmmod : Untuk menampilkan module /driver yang diloat ke kernel

Ps -axu : Melihat seluruh proses yang dijalankan, walaupun tanpa terminal control, juga ditampilkan nama dari user untuk setiap proses.

Lspci : Menampilkan hardware yang terkoneksi ke komputer dengan basis PCI buss

Free : Melihat informasi penggunaan memory (RAM dan swap)

Reboot : untuk mulai ulang

Halt : Perintah yang hanya biasa dijalankan oleh super user atau anda harus login sebagai Root.perintah ini untuk memberikan kernel supaya mematikan system / shutdown

TUGAS

1. Jelaskan Distro Linux yang ada saat ini (minimal 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. Debian

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

d. 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 Linux Mint adalah Ubuntu, sehingga aplikasi yang dapat berjalan di Ubuntu, juga bisa berjalan pada Linux Mint.

2. Jelaskan 20 perintah yang sama di antara masing-masing distro.

1. head - Menampilkan beberapa baris awal pada file teks.
1. nano - Mengedit isi dari suatu file teks.
1. vi - Teks editor yang sangat ampuh yang hampir selalu terdapat dalam setiap instalasi Linux
1. wc - Menghitung jumlah baris, kata atau karakter dari sebuah file teks.
1. man - menampilkan dokumentasi (manual pages) dari sebuah perintah.
1. apropos - menampilkan dokumentasi (manual pages) yang berhubungan dengan kata kunci yang telah diberikan
1. find - Memindai dan mencari pada struktur direktori dari file
1. tar - Perintah untuk bekerja dengan file arsip.
1. gzip - Melakukan kompresi pada file atau folder menjadi file dengan ekstensi .gz
1. date - Menampilkan jam dan tanggal waktu sekarang.
1. cal - Menampilkan kalender
1. touch - Mengubah waktu modifikasi dari sebuah file atau membuat sebuah file kosong (0 byte)
1. ps - Menampilkan proses yang berjalan pada sistem.
1. kill - Mematikan (atau memberikan sinyal lain pada) sebuah proses.
1. su - Super user
1. userdel - Menghapus user dari sistem.
1. passwd - Mengganti password user
1. ifconfig - Mengkonfigurasi interface jaringan.
1. halt - Mematikan sistem
1. reboot - Me-restart sistem

3. Jelaskan maksud perintah 'init 0', 'init 1', 'init 2', 'init 3', 'init 4', 'init 5', 'init 6'.

1. init 0 => Digunakan untuk maintenance, diagnostic hardware, booting selain dari disk misal dari cdroom.
2. init 1 => Single user mode, digunakan untuk menambahkan patches, backup/restore system. di level ini kita bisa menjalankan/access semua file tapi user lain tidak bisa login ke dalam sytem kita.
3. init 2 => multiuser mode, biasanya utk digunakan dalam network. tapi disini tidak ada re-sourches yang di share.
4. init 3 ==> memperluas multiuser mode,kita bisa membuat local resourches share pada network kita. Sehingga kita bisa berbagi data dilevel ini dalam network.
5. init 4 ==> utk alternative multiuser mode tetapi saat ini belum bisa digunakan.
6. init 5 ==> utk shutdown/ power off.7. init 6 ==> men stop operating system kemudian re-boot dan kembali ke init default nyayang ada di /etc/init tab

4. Jelaskan maksud dari perintah 'quota'

Quota adalah pembatasan pemakaian hard disk untuk user dan atau group. Hal ini sangat penting karena jika tidak ada pengaturan pemakaian jatah hard disk maka dalam waktu singkat server akan penuh dengan data pribadi. Jika data user melebihi quota yang sudah ditetapkan,maka user tersebut tidak bisa lagi menyimpan data kecuali jika dia menghapus data-datanya.