

Nama : Reza Aristo Rifandi

NIM : L200180206

## MODUL 5

```
kayon-pc22@kayonpc22:~$ sudo su
[sudo] password for kayon-pc22:
root@kayonpc22:/home/kayon-pc22# echo halo dunia
halo dunia
root@kayonpc22:/home/kayon-pc22# date
Rab Okt  9 16:40:14 WIB 2019
root@kayonpc22:/home/kayon-pc22# hostname
kayonpc22
root@kayonpc22:/home/kayon-pc22# arch
x86_64
root@kayonpc22:/home/kayon-pc22# uname -a
Linux kayonpc22 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
root@kayonpc22:/home/kayon-pc22# dmesg | more
[ 0.000000] microcode: microcode updated early to revision 0x27, date = 2019-
02-26
[ 0.000000] Linux version 5.0.0-31-generic (builddeglw01-and64-046) (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
=6cd2aa32-9538-4579-818c-a56b05fblbce 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 0x0000000000000000-0x0000000000000d7fff] usable
[ 0.000000] BIOS-e820: [mem 0x0000000000000d800-0x0000000000000fffff] reserved
[ 0.000000] BIOS-e820: [mem 0x00000000000000000-0x00000000000000fffff] reserved
--More--
```

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[ 0.000000] Hygon HygonGenuine
[ 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 532 bytes, using 'standard' format.
[ 0.000000] BIOS-provided physical RAM map:
[ 0.000000] BIOS-e820: [mem 0x0000000000000000-0x0000000000000d7fff] usable
[ 0.000000] BIOS-e820: [mem 0x0000000000000d8000-0x0000000000000fffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000000000e0000-0x0000000000000fffff] reserved
root@kayonpc22:/home/kayon-pc22# uptime
 16:49:15 up 13 min,  1 user,  load average: 0.06, 0.19, 0.25
root@kayonpc22:/home/kayon-pc22# whoami
root
root@kayonpc22:/home/kayon-pc22# who
kayon-pc22 tty7          2019-10-09 23:36 (:0)
root@kayonpc22:/home/kayon-pc22# id
uid=0(root) gid=0(root) groups=0(root)
root@kayonpc22:/home/kayon-pc22# last
kayon-pc tty7          :0          Wed Oct 9 23:36   gone - no logout
reboot system boot    5.0.0-31-generic Wed Oct 9 23:35   still running
kayon-pc tty7          :0          Tue Oct 8 16:15 - 17:35 (01:18)
reboot system boot    5.0.0-31-generic Tue Oct 8 16:14 - 17:35 (01:20)

wtmp begins Tue Oct 8 15:36:01 2019
root@kayonpc22:/home/kayon-pc22# finger

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

apt install finger

root@kayonpc22:/home/kayon-pc22# w
 16:49:46 up 13 min,  1 user,  load average: 0.04, 0.17, 0.24
USER      TTY      FROM          LOGIN@   IDLE   JCPU   PCPU  WHAT
kayon-pc tty7      :0            23:36    ?       13.85s 0.01s /bin/sh /etc/xdg/xfce4/xinitrc -- /etc/X11/xinit/xserverrc
root@kayonpc22:/home/kayon-pc22# top
top - 16:50:55 up 15 min,  1 user,  load average: 0.14, 0.17, 0.24
Tasks: 190 total,  2 running, 141 sleeping,  0 stopped,  0 zombie
%Cpu(s):  0.6 us,  0.2 sy,  0.0 ni, 99.3 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem : 8183664 total, 6438368 free, 562512 used, 1162844 buff/cache
MiB Swap: 947828 total, 947828 free,  0 used, 7316996 avail Mem

```

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root@kayonpc22:/home/kayon-pc22# uptime
 16:49:15 up 13 min,  1 user,  load average: 0.06, 0.19, 0.25
root@kayonpc22:/home/kayon-pc22# whoami
root
root@kayonpc22:/home/kayon-pc22# who
kayon-pc22 tty7          2019-10-09 23:36 (:0)
root@kayonpc22:/home/kayon-pc22# id
uid=0(root) gid=0(root) groups=0(root)
root@kayonpc22:/home/kayon-pc22# last
kayon-pc tty7          :0          Wed Oct 9 23:36   gone - no logout
reboot system boot    5.0.0-31-generic Wed Oct 9 23:35   still running
kayon-pc tty7          :0          Tue Oct 8 16:15 - 17:35 (01:18)
reboot system boot    5.0.0-31-generic Tue Oct 8 16:14 - 17:35 (01:20)

wtmp begins Tue Oct 8 15:36:01 2019
root@kayonpc22:/home/kayon-pc22# finger

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

apt install finger

root@kayonpc22:/home/kayon-pc22# w
 16:49:46 up 13 min,  1 user,  load average: 0.04, 0.17, 0.24
USER      TTY      FROM          LOGIN@   IDLE   JCPU   PCPU  WHAT
kayon-pc tty7      :0            23:36    ?       13.85s 0.01s /bin/sh /etc/xdg/xfce4/xinitrc -- /etc/X11/xinit/xserverrc
root@kayonpc22:/home/kayon-pc22# top
top - 16:50:00 up 14 min,  1 user,  load average: 0.03, 0.16, 0.24
Tasks: 190 total,  1 running, 141 sleeping,  0 stopped,  0 zombie
%Cpu(s):  5.6 us,  0.2 sy,  0.0 ni, 94.2 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem : 8183664 total, 6448152 free, 493360 used, 1162152 buff/cache
MiB Swap: 947828 total, 947828 free,  0 used, 7326796 avail Mem

```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
903	root	20	0	368736	63472	42864	S	10.1	0.8	0:15:15	Xorg
4081	kayon-pc	20	0	583416	38916	28808	S	4.3	0.5	0:02:07	xfce4-terminal
5921	root	20	0	51672	4072	3308	R	0.7	0.1	0:00:07	top
1705	kayon-pc	20	0	191308	22116	17956	S	0.3	0.3	0:01:04	xfwm4
1	root	20	0	225236	9132	6824	S	0.0	0.1	0:01:19	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
5	root	20	0	0	0	0	I	0.0	0.0	0:00:00	ksworker/0:0k-cgr
6	root	0	-20	0	0	0	I	0.0	0.0	0:00:00	ksworker/0:0k-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	0:00:00	kssoftirqd/0

```

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 -cftavSUX 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 nongraphical 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)

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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@kayonpc22:/home/kayon-pc22# sudo su
root@kayonpc22:/home/kayon-pc22# who can tell me about linux
who: extra operand 'me'
Try 'who --help' for more information.
root@kayonpc22:/home/kayon-pc22# last
kayon-pc tty?      :0      Wed Oct 8 23:36   gone - no logout
reboot  system boot  5.0.0-31-generic Wed Oct 8 23:35   still running
kayon-pc tty?      :0      Tue Oct 8 16:15 - 17:35 (01:19)
reboot  system boot  5.0.0-31-generic Tue Oct 8 16:14 - 17:35 (01:20)

wtmp begins Tue Oct 8 15:36:01 2019
root@kayonpc22:/home/kayon-pc22# clear

```

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root@kayonpc22:/home/kayon-pc22# 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: 0x80e875a7

Device Boot      Start         End      Sectors  Size Id Type
/dev/sda1 *       2048         206547       204500    100M 7 HPFS/NTFS/exFAT
/dev/sda2          206548      409602047     409395200    195,2G 7 HPFS/NTFS/exFAT
/dev/sda3          409602048     935813119     526211072    250,9G 7 HPFS/NTFS/exFAT
/dev/sda4          935813120     976771071     40957992    19,5G 83 Linux

root@kayonpc22:/home/kayon-pc22# users
kayon-pc22
root@kayonpc22:/home/kayon-pc22# 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=6cd2aa32-9538-4579-818c-a56b05fb1bce /          ext4      errors=remount-ro 0    1
/swapfile             none       swap      sw              0    0
root@kayonpc22:/home/kayon-pc22# cal 2000
2000
      Januari          Februari          Maret
Mi Se So Ra Ka Ju Sa  Mi Se So Ra Ka Ju Sa  Mi Se So 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 So Ra Ka Ju Sa  Mi Se So Ra Ka Ju Sa  Mi Se So 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 31

```

```

      April           Mei             Juni
Mi Se So Ra Ka Ju Sa  Mi Se So Ra Ka Ju Sa  Mi Se So 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 31

      Juli            Agustus          September
Mi Se So Ra Ka Ju Sa  Mi Se So Ra Ka Ju Sa  Mi Se So 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 So Ra Ka Ju Sa  Mi Se So Ra Ka Ju Sa  Mi Se So 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@kayonpc22:/home/kayon-pc22# cal 9 1752
September 1752
Mi Se So Ra Ka Ju Sa
      1 2 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30

root@kayonpc22:/home/kayon-pc22# cal 10 2007
Oktober 2007
Mi Se So 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@kayonpc22:/home/kayon-pc22#

```

```

 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 So Ra Ka Ju Sa  Mi Se So Ra Ka Ju Sa  Mi Se So 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@kayonpc22:/home/kayon-pc22# cal 9 1752
      September 1752
Mi Se So Ra Ka Ju Sa
          1  2 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30

root@kayonpc22:/home/kayon-pc22# cal 10 2007
      Oktober 2007
Mi Se So 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@kayonpc22:/home/kayon-pc22# 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'.
echo 5+4 | bc -l
(standard_in) 1: syntax error
(standard_in) 1: illegal character: |
(standard_in) 1: syntax error
quit
root@kayonpc22:/home/kayon-pc22# echo 5+4 | bc -l
9
root@kayonpc22:/home/kayon-pc22# yes please

```

```

please
^C
root@kayonpc22:/home/kayon-pc22# pwd
/home/kayon-pc22
root@kayonpc22:/home/kayon-pc22# history
 1 clear
 2 apt update
 3 apt-get upgrade
 4 clear
 5 apt autoremove
 6 apt upgrade
 7 apt autoremove
 8 apt autoclean
 9 nano /etc/bash.bashrc
10 clear
11 apt install ssh
12 clear
13 apt install ssh
14 service ssh restart
15 apt install ubiquity-slideshow-xubuntu
16 apt install -f
17 clear
18 nano /etc/lsb-release
19 clear
20 clear
21 clear
22 lsb release -a
23 clear
24 apt purge pinguybuilder
25 clear
26 apt autoremove
27 clear
28 apt autoclean
29 clear
30 kdjb
31 cd ..
32 ls
33 rm -rf PinguyBuilder/*
34 ls
35 rm -rf PinguyBuilder
36 ls
37 cd master/
38 ls
39 rm -rf pinguybuilder_5.1-8_all.deb
40 clear
41 ls

```



```

80/ history
root@kayonpc22:/home/kayon-pc22# tail -f /var/log/message
tail: cannot open '/var/log/message' for reading: No such file or directory
tail: no files remaining
root@kayonpc22:/home/kayon-pc22# lsmod
Module                Size  Used by
ufs                    81920  0
qnx4                   16384  0
hfsplus               110592  0
hfs                    61440  0
minix                  36864  0
ntfs                   106496  0
msdos                  20480  0
jfs                    188416  0
xfs                   1236992  0
intel_rapl             24576  0
x86_pkg_temp_thermal  20480  0
intel_powerclamp       20480  0
coretemp              20480  0
kvm_intel              241664  0
snd_hda_codec_hdmi     53248  1
kvm                   638784  1 kvm_intel
snd_hda_codec_realtek  114688  1
irqbypass             16384  1 kvm
eeepc_wmi              16384  0
snd_hda_codec_generic  77824  1 snd_hda_codec_realtek
asus_wmi               28672  1 eeepc_wmi
sparse_keymap          16384  1 asus_wmi
ledtrig_audio          16384  2 snd_hda_codec_generic,snd_hda_codec_realtek
crt10dif_pclmul        16384  1
joydev                 28672  0
input_leds             16384  0
crc32_pclmul           16384  0
ghash_clmulni_intel    16384  0
snd_hda_intel          49152  2
snd_hda_codec          135168  4 snd_hda_codec_generic,snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec_realtek
snd_hda_core            86016  5 snd_hda_codec_generic,snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec,snd_hda_codec_realtek
aesni_intel            372736  0
snd_hwdep              20480  1 snd_hda_codec
snd_pcm                 102400  4 snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec,snd_hda_core
aes_x86_64             20480  1 aesni_intel
snd_seq_midi            20480  0
snd_seq_midi_event      16384  1 snd_seq_midi
snd_rawmidi             36864  1 snd_seq_midi
snd_seq                 69632  2 snd_seq_midi,snd_seq_midi_event
crypto_simd             16384  1 aesni_intel

```

```

wmi                Z80/2  2  asus_wmi,wmi_broot
video              49152  1  asus_wmi
root@kayonpc22:/home/kayon-pc22# ps -aux
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.1 225236 9132 ?        Ss   16:35   0:01 /sbin/init splash
root         2  0.0  0.0      0     0 ?        S    16:35   0:00 [kthreadd]
root         3  0.0  0.0      0     0 ?        I<   16:35   0:00 [rcu_gp]
root         4  0.0  0.0      0     0 ?        I<   16:35   0:00 [rcu_par_gp]
root         5  0.0  0.0      0     0 ?        I    16:35   0:00 [kworker/0:0-cgr]
root         6  0.0  0.0      0     0 ?        I<   16:35   0:00 [kworker/0:0H-kb]
root         8  0.0  0.0      0     0 ?        I<   16:35   0:00 [nn_percpu_wq]
root         9  0.0  0.0      0     0 ?        S    16:35   0:00 [ksoftirqd/0]
root        10  0.0  0.0      0     0 ?        I    16:35   0:00 [rcu_sched]
root        11  0.0  0.0      0     0 ?        S    16:35   0:00 [migration/0]
root        12  0.0  0.0      0     0 ?        S    16:35   0:00 [idle_inject/0]
root        14  0.0  0.0      0     0 ?        S    16:35   0:00 [cpuhp/0]
root        15  0.0  0.0      0     0 ?        S    16:35   0:00 [cpuhp/1]
root        16  0.0  0.0      0     0 ?        S    16:35   0:00 [idle_inject/1]
root        17  0.0  0.0      0     0 ?        S    16:35   0:00 [migration/1]
root        18  0.0  0.0      0     0 ?        S    16:35   0:00 [ksoftirqd/1]
root        20  0.0  0.0      0     0 ?        I<   16:35   0:00 [kworker/1:0H-kb]
root        21  0.0  0.0      0     0 ?        S    16:35   0:00 [cpuhp/2]
root        22  0.0  0.0      0     0 ?        S    16:35   0:00 [idle_inject/2]
root        23  0.0  0.0      0     0 ?        S    16:35   0:00 [migration/2]
root        24  0.0  0.0      0     0 ?        S    16:35   0:00 [ksoftirqd/2]
root        25  0.0  0.0      0     0 ?        I    16:35   0:00 [kworker/2:0-mm_l]
root        26  0.0  0.0      0     0 ?        I<   16:35   0:00 [kworker/2:0H-kb]
root        27  0.0  0.0      0     0 ?        S    16:35   0:00 [cpuhp/3]
root        28  0.0  0.0      0     0 ?        S    16:35   0:00 [idle_inject/3]
root        29  0.0  0.0      0     0 ?        S    16:35   0:00 [migration/3]
root        30  0.0  0.0      0     0 ?        S    16:35   0:00 [ksoftirqd/3]
root        32  0.0  0.0      0     0 ?        I<   16:35   0:00 [kworker/3:0H-kb]
root        33  0.0  0.0      0     0 ?        S    16:35   0:00 [kdevtmpfs]
root        34  0.0  0.0      0     0 ?        I<   16:35   0:00 [netns]
root        35  0.0  0.0      0     0 ?        S    16:35   0:00 [rcu_tasks_kthre]
root        36  0.0  0.0      0     0 ?        S    16:35   0:00 [kauditd]
root        37  0.0  0.0      0     0 ?        S    16:35   0:00 [khungtdshd]
root        38  0.0  0.0      0     0 ?        S    16:35   0:00 [oom_reaper]
root        39  0.0  0.0      0     0 ?        I<   16:35   0:00 [writeback]
root        40  0.0  0.0      0     0 ?        S    16:35   0:00 [kcompactd0]
root        41  0.0  0.0      0     0 ?        SN   16:35   0:00 [ksmd]
root        42  0.0  0.0      0     0 ?        SN   16:35   0:00 [khugepaged]
root        43  0.0  0.0      0     0 ?        I<   16:35   0:00 [crypto]
root        44  0.0  0.0      0     0 ?        I<   16:35   0:00 [kintegrityd]
root        45  0.0  0.0      0     0 ?        I<   16:35   0:00 [kblockd]
root        46  0.0  0.0      0     0 ?        I<   16:35   0:00 [tpm_dev_wq]

```

```

kayon-pc 1676 0.0 0.3 480248 29652 7 Ssl 16:36 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-pc 1677 0.0 0.4 555880 33564 7 Ssl 16:36 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 1048578
kayon-pc 1679 0.0 0.3 480248 32832 7 Ssl 16:36 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-pc 1682 0.0 0.4 780048 34012 7 Ssl 16:36 0:01 /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-pc 1919 0.0 0.1 574768 11540 7 Ssl 16:36 0:00 /usr/bin/pulseaudio --start --log-target=syslog
rtkit 1926 0.0 0.0 183580 2972 7 Ssl 16:36 0:00 /usr/lib/rtkit/rtkit-daemon
kayon-pc 1941 0.0 0.0 447384 7484 7 Ssl 16:36 0:00 /usr/lib/x86_64-linux-gnu/indicator-messages/indicator-messages-service
kayon-pc 1949 0.0 0.1 396776 8336 7 Ssl 16:36 0:00 /usr/lib/gvfs/gvfs-udisks2-volume-monitor
kayon-pc 1953 0.0 0.0 379280 7612 7 Ssl 16:36 0:00 /usr/lib/gvfs/gvfs-afc-volume-monitor
kayon-pc 1958 0.0 0.0 289264 6720 7 Ssl 16:36 0:00 /usr/lib/gvfs/gvfs-gphoto2-volume-monitor
kayon-pc 1962 0.0 0.0 274580 6068 7 Ssl 16:36 0:00 /usr/lib/gvfs/gvfs-goe-volume-monitor
kayon-pc 1966 0.0 0.0 276340 4900 7 Ssl 16:36 0:00 /usr/lib/gvfs/gvfs-mtp-volume-monitor
kayon-pc 1973 0.0 0.0 368444 6960 7 Ssl 16:36 0:00 /usr/lib/gvfs/gvfsd-trash --spawner :1.16 /org/gtk/gvfs/exec_spaw/0
kayon-pc 3325 0.0 0.0 82724 8852 7 Ssl 16:36 0:00 /usr/lib/bluetooth/obexd
root 3352 0.0 0.1 374180 13844 7 Ssl 16:36 0:00 /usr/lib/packagekit/packagekitd
kayon-pc 4081 1.8 0.5 591612 44584 7 Rtl 16:37 0:35 /usr/bin/xfce4-terminal
kayon-pc 4111 0.0 0.0 30832 4772 pts/1 Ss 16:37 0:00 bash
root 4239 0.0 0.0 0 0 7 I< 16:37 0:00 [xfs_mru_cache]
root 4240 0.0 0.0 0 0 7 I< 16:37 0:00 [xfs_mru_cache]
root 4245 0.0 0.0 0 0 7 S 16:37 0:00 [jfsIO]
root 4246 0.0 0.0 0 0 7 S 16:37 0:00 [jfsCommit]
root 4247 0.0 0.0 0 0 7 S 16:37 0:00 [jfsCommit]
root 4248 0.0 0.0 0 0 7 S 16:37 0:00 [jfsCommit]
root 4249 0.0 0.0 0 0 7 S 16:37 0:00 [jfsCommit]
root 4250 0.0 0.0 0 0 7 S 16:37 0:00 [jfsSync]
root 4959 0.0 0.0 73424 4420 pts/1 S 16:37 0:00 sudo su
root 5320 0.0 0.0 72712 3868 pts/1 S 16:37 0:00 su
root 5323 0.0 0.0 30084 4900 pts/1 S 16:37 0:00 bash
root 5556 0.0 0.0 108148 8884 7 Ss 16:41 0:00 /usr/sbin/cupsd -l
root 5557 0.0 0.1 303520 10908 7 Ssl 16:41 0:00 /usr/sbin/cups-browsed
root 5611 0.0 0.0 0 0 7 I 16:41 0:00 [kworker/1:0-cgr]
kayon-pc 5615 0.0 0.4 817368 32768 7 Sl 16:42 0:00 xfce4-screenshooter
root 5624 0.2 0.0 0 0 7 I 16:43 0:03 [kworker/u8:0-ev]
kayon-pc 5626 0.0 0.0 144816 6264 7 Sl 16:44 0:00 /usr/lib/libreoffice/program/soffice --writer
kayon-pc 5643 1.5 2.9 1244690 248888 7 Sl 16:44 0:22 /usr/lib/libreoffice/program/soffice.bin --writer --splash-pipe=5
kayon-pc 5662 0.0 0.3 388524 31072 7 Sl 16:45 0:00 xfce4-screenshooter -f
root 5959 0.0 0.0 0 0 7 I 16:51 0:00 [kworker/3:2-cgr]
root 5960 0.2 0.0 0 0 7 I 16:51 0:03 [kworker/u8:1-ev]
root 6205 0.0 0.0 73180 4236 pts/1 S 16:56 0:00 sudo su
root 6206 0.0 0.0 72712 4016 pts/1 S 16:56 0:00 su
root 6207 0.0 0.0 30084 5140 pts/1 S 16:56 0:00 bash
root 6313 1.0 0.0 0 0 7 I 17:02 0:03 [kworker/u8:2-ev]
root 6334 0.3 0.0 0 0 7 I 17:04 0:01 [kworker/u8:3-ev]
root 6450 0.0 0.0 47236 3700 pts/1 R+ 17:08 0:00 ps -aux
root@kayonpc22:/home/kayon-pc22#

```

```

root 4240 0.0 0.0 0 0 7 I< 16:37 0:00 [xfs_mru_cache]
root 4245 0.0 0.0 0 0 7 S 16:37 0:00 [jfsIO]
root 4246 0.0 0.0 0 0 7 S 16:37 0:00 [jfsCommit]
root 4247 0.0 0.0 0 0 7 S 16:37 0:00 [jfsCommit]
root 4248 0.0 0.0 0 0 7 S 16:37 0:00 [jfsCommit]
root 4249 0.0 0.0 0 0 7 S 16:37 0:00 [jfsCommit]
root 4250 0.0 0.0 0 0 7 S 16:37 0:00 [jfsSync]
root 4959 0.0 0.0 73424 4420 pts/1 S 16:37 0:00 sudo su
root 5320 0.0 0.0 72712 3868 pts/1 S 16:37 0:00 su
root 5323 0.0 0.0 30084 4900 pts/1 S 16:37 0:00 bash
root 5556 0.0 0.0 108148 8884 7 Ss 16:41 0:00 /usr/sbin/cupsd -l
root 5557 0.0 0.1 303520 10908 7 Ssl 16:41 0:00 /usr/sbin/cups-browsed
root 5611 0.0 0.0 0 0 7 I 16:41 0:00 [kworker/1:0-cgr]
kayon-pc 5615 0.0 0.4 817368 32768 7 Sl 16:42 0:00 xfce4-screenshooter
root 5624 0.2 0.0 0 0 7 I 16:43 0:03 [kworker/u8:0-ev]
kayon-pc 5626 0.0 0.0 144816 6264 7 Sl 16:44 0:00 /usr/lib/libreoffice/program/soffice --writer
kayon-pc 5643 1.5 2.9 1244690 248888 7 Sl 16:44 0:22 /usr/lib/libreoffice/program/soffice.bin --writer --splash-pipe=5
kayon-pc 5662 0.0 0.3 388524 31072 7 Sl 16:45 0:00 xfce4-screenshooter -f
root 5959 0.0 0.0 0 0 7 I 16:51 0:00 [kworker/3:2-cgr]
root 5960 0.2 0.0 0 0 7 I 16:51 0:03 [kworker/u8:1-ev]
root 6205 0.0 0.0 73180 4236 pts/1 S 16:56 0:00 sudo su
root 6206 0.0 0.0 72712 4016 pts/1 S 16:56 0:00 su
root 6207 0.0 0.0 30084 5140 pts/1 S 16:56 0:00 bash
root 6313 1.0 0.0 0 0 7 I 17:02 0:03 [kworker/u8:2-ev]
root 6334 0.3 0.0 0 0 7 I 17:04 0:01 [kworker/u8:3-ev]
root 6450 0.0 0.0 47236 3700 pts/1 R+ 17:08 0:00 ps -aux

```

```

root@kayonpc22:/home/kayon-pc22# 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.3 PCI bridge: Intel Corporation 8 Series/C220 Series Chipset Family PCI Express Root Port #4 (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@kayonpc22:/home/kayon-pc22#

```

```

invpcid xsaveopt dtherm ida arat pln pts md_clear flush_lid
bugs : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass l1tf mds swapsg
bogomips : 6584.55
clflush size : 64
cache alignment : 64
address sizes : 39 bits physical, 48 bits virtual
power management:

processor : 3
vendor_id : GenuineIntel
cpu family : 6
model : 90
model name : Intel(R) Core(TM) i5-4590 CPU @ 3.30GHz
stepping : 3
microcode : 0x27
cpu MHz : 798.234
cache size : 6144 KB
physical id : 0
siblings : 4
core id : 4
cpu cores : 4
apicid : 6
initial apicid : 6
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu_vme de pse tsc msr pae mce cx8 apic sep ntrr 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 aperfperf 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 ept_ad fsgsbase tsc_adjust hlt avx2 smep hlt2 erms
invpcid xsaveopt dtherm ida arat pln pts md_clear flush_lid
bugs : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass l1tf mds swapsg
bogomips : 6584.55
clflush size : 64
cache alignment : 64
address sizes : 39 bits physical, 48 bits virtual
power management:

root@kayonpc22:/home/kayon-pc22# finger root

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

apt install finger

root@kayonpc22:/home/kayon-pc22#

```

```

wp : yes
flags : fpu_vme de pse tsc msr pae mce cx8 apic sep ntrr 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 aperfperf 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 ept_ad fsgsbase tsc_adjust hlt avx2 smep hlt2 erms
invpcid xsaveopt dtherm ida arat pln pts md_clear flush_lid
bugs : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass l1tf mds swapsg
bogomips : 6584.55
clflush size : 64
cache alignment : 64
address sizes : 39 bits physical, 48 bits virtual
power management:

root@kayonpc22:/home/kayon-pc22# finger root

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

apt install finger

root@kayonpc22:/home/kayon-pc22# ls
Desktop Documents Downloads Music Pictures Public Templates Videos
root@kayonpc22:/home/kayon-pc22# ls -l
total 32
drwxr-xr-x 2 kayon-pc22 kayon-pc22 4096 Sep  4 11:10 Desktop
drwxr-xr-x 2 kayon-pc22 kayon-pc22 4096 Sep  4 11:10 Documents
drwxr-xr-x 2 kayon-pc22 kayon-pc22 4096 Sep  4 11:10 Downloads
drwxr-xr-x 2 kayon-pc22 kayon-pc22 4096 Okt  8 17:30 Music
drwxr-xr-x 2 kayon-pc22 kayon-pc22 4096 Okt  8 17:29 Pictures
drwxr-xr-x 2 kayon-pc22 kayon-pc22 4096 Sep  4 11:10 Public
drwxr-xr-x 2 kayon-pc22 kayon-pc22 4096 Sep  4 11:10 Templates
drwxr-xr-x 2 kayon-pc22 kayon-pc22 4096 Sep  4 11:10 Videos
root@kayonpc22:/home/kayon-pc22# ls -l/home
ls: invalid option -- '/'
Try 'ls --help' for more information.
root@kayonpc22:/home/kayon-pc22# whatis ls
ls (1) - list directory contents
root@kayonpc22:/home/kayon-pc22# whatis mkdir
mkdir (1) - make directories
root@kayonpc22:/home/kayon-pc22# mkdir informatika
root@kayonpc22:/home/kayon-pc22# rmdir informatika
root@kayonpc22:/home/kayon-pc22# touch rpl.txt
root@kayonpc22:/home/kayon-pc22# rm rpl.txt
root@kayonpc22:/home/kayon-pc22# which mkdir
/bin/mkdir
root@kayonpc22:/home/kayon-pc22#

```



```

root@kayonpc22:/home/kayon-pc22# whereis ls
ls: /bin/ls /usr/share/man/man1/ls.1.gz
root@kayonpc22:/home/kayon-pc22# df
Filesystem      1k-Blocks      Used Available Use% Mounted on
udev            4009348         0    4009348   0% /dev
tmpfs            818368      1344     809024   1% /run
/dev/sda4       20826192  8714764    18271996  46% /
tmpfs           4051832         0    4051832   0% /dev/shm
tmpfs           5120         4       5116   1% /run/lock
tmpfs           4051832         0    4051832   0% /sys/fs/cgroup
tmpfs           810364        16     810348   1% /run/user/1000
root@kayonpc22:/home/kayon-pc22# du
4      ./Videos
4      ./Public
4      ./Templates
44     ./gnome2/gtksourceview-1.0/language-specs
48     ./gnome2/gtksourceview-1.0
52     ./gnome2
352    ./Pictures
596    ./thumbnails/normal
600    ./thumbnails
8      ./config/update-notifier
8      ./config/ristretto
20     ./config/neofetch
8      ./config/gtk-3.0
12     ./config/Mousepad
8      ./config/gtk-2.0
12     ./config/libreoffice/4/user/gallery
1016   ./config/libreoffice/4/user/database/biblio
1024   ./config/libreoffice/4/user/database
4      ./config/libreoffice/4/user/autocorr
4      ./config/libreoffice/4/user/extensions/bundled/registry/con.sun.star.comp.deployment.script.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/bundled/registry/con.sun.star.comp.deployment.sfwk.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/bundled/registry/con.sun.star.comp.deployment.help.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/bundled/registry/con.sun.star.comp.deployment.component.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/bundled/registry/con.sun.star.comp.deployment.executable.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/bundled/registry/con.sun.star.comp.deployment.bundle.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/bundled/registry/con.sun.star.comp.deployment.configuration.PackageRegistryBackend
40     ./config/libreoffice/4/user/extensions/bundled/registry
48     ./config/libreoffice/4/user/extensions/bundled
4      ./config/libreoffice/4/user/extensions/shared/registry/con.sun.star.comp.deployment.script.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/shared/registry/con.sun.star.comp.deployment.sfwk.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/shared/registry/con.sun.star.comp.deployment.help.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/shared/registry/con.sun.star.comp.deployment.component.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/shared/registry/con.sun.star.comp.deployment.executable.PackageRegistryBackend
4      ./config/libreoffice/4/user/extensions/shared/registry/con.sun.star.comp.deployment.bundle.PackageRegistryBackend

```

```

43608 .
root@kayonpc22:/home/kayon-pc22# free
              total        used        free      shared  buff/cache   available
Mem:      8103664      632228      6285568      11616      1185936      7105400
Swap:      947028           0       947028

root@kayonpc22:/home/kayon-pc22# pstree
systemd--ModemManager--2*[{ModemManager}]
      |
      |--NetworkManager--dhclient
      |                   |
      |                   |--2*[{NetworkManager}]
      |
      |--Thunar
      |--accounts-daemon--2*[{accounts-daemon}]
      |--acpid
      |--avahi-daemon--avahi-daemon
      |--cron
      |--cups-browsed--2*[{cups-browsed}]
      |--cupsd
      |--dbus-daemon
      |--gnome-keyring-d--3*[{gnome-keyring-d}]
      |--irqbalance--{irqbalance}
      |--2*[{kerneloops}]
      |--lightdm--Xorg--{Xorg}
      |           |
      |           |--lightdm--sh--sch-agent
      |           |               |
      |           |               |--xfce4-session--applet.py--{applet.py}
      |           |               |                   |
      |           |               |                   |--bluesn-applet--3*[{bluesn-applet}]
      |           |               |                   |--light-locker--3*[{light-locker}]
      |           |               |                   |--nm-applet--3*[{nm-applet}]
      |           |               |                   |--polkit-gnome-au--2*[{polkit-gnome-au}]
      |           |               |                   |--update-notifier--3*[{update-notifier}]
      |           |               |                   |--2*[{xfce4-session}]
      |           |               |
      |           |               |--2*[{lightdm}]
      |           |               |
      |           |               |--2*[{lightdm}]
      |
      |--lvmetad
      |--networkd-dispat--{networkd-dispat}
      |--nvidia-persiste
      |--packagekitd--2*[{packagekitd}]
      |--polkitd--2*[{polkitd}]
      |--pulseaudio--{pulseaudio}
      |--rsyslogd--3*[{rsyslogd}]
      |--rtkit-daemon--2*[{rtkit-daemon}]
      |--sshd
      |--systemd--(sd-pan)
      |           |
      |           |--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}]

```

**TABEL KETERANGAN**

NO	DAFTAR PERINTAH	KETERANGAN
1.	echo halo dunia	Menampilkan pesan “halo dunia”
2.	date	Menampilkan keterangan waktu pada saat pemrosesan
3.	hostname	Menampilkan nama sistem operasi yang terletak pada pc
4.	arch	Menampilkan jenis arsitektur dari sebuah mesin
5.	uname -a	Menampilkan informasi sistem informasi
6.	dmesg   more	Menampilkan pesan-pesan pada waktu proses boot dengan menampilkan perlayar
7.	uptime	Mengetahui informasi tentang lama sistem berjalan setelah terakhir reboot atau mati
8.	whoami	Menanyakan siapa yang sekarang sedang bekerja
9.	who	Menampilkan siapa saja yang login/masuk
10.	id	Menampilkn identitas users
11.	last	Menampilkn daftar login terakhir yang ada pada sistem dengan melakukan pengambilan data dari file/var/log/wtmp
12.	finger	Melihat informasi finger
13.	w	Untuk mengetahui siapa yang sedang aktif
14.	top	Melihat semua proses yang sedang berjalan, diurutkan dari proses yang paling besar
15.	echo \$\$SHELL	Bin/bash
16.	echo {con, pre} {sent, fer} {s, ed}	Menyusun kata-kata
17.	man ls	Menampilkam informasi tentang ls

18.	man who	Menampilkan informasi tentang who
19.	who can tell me about linux	Gagal (karena tidak bisa)
20.	last	Menampilka daftar login terakhir yang ada pada sistem dengan melakukan pengambilan data dari file/var/log/wtmp
21.	clear	Perintah menghapus semua data pada layar
22.	fdisk -l	Menampilkan list partisi pada perangkat
23.	users	Menampilkan daftar user yang sedang aktif pada sebuah perangkat
24.	cat /etc /fstab	Melihat file sistem yang telah disetup
25.	cal 2000	Menampilkan kalender pada tahun 2000
26.	cal 9 1975	Menampilkan kalender pada bulan September tahun 1975
27.	cal 10 2007	Menampilkan kalender pada bulan oktober tahun 2007
28.	bc -l	Menampilkan versi bc (bahasa kalkulator)
29.	echo 5+4   bc -l	Menampilkan hasil penjumlahan (9)
30.	yes please	Mencetak string "Please" sampai interrupt
31.	pwd	Digunakan untuk memperlihatkan didirektori mana posisi kita berada sekarang
32.	history	Menampilkan riwayat perintah yang digunakan
33.	tail -f /var/log/message	Tidak bisa menampilkan pesan
34.	lsmod	Menampilkan module/drive yang di load ke kernel
35.	ps -axu	Melihat seluruh proses yang dijalankan, walaupun tanpa terminal control, juga ditampilkan nama dari user untuk setiap proses

36.	lspci	Melihat spesifikasi hardware dari computer yang sedang digunakan
37.	free	Melihat informasi pengguna memory
38.	cat /proc/cpuinfo	Melihat pada/proc directory yang bukan merupakan file nyata
39.	finger root	Melihat informasi finger root
40.	reboot	Menghidupkan ulang atau melakukan restart sistem sebuah computer yang sedang hidup atau sedang berjalan
41	halt	Perintah yang hanya bisa dijalankan oleh super user atau anda harus login sebagai root. Perintah ini untuk memberikan kernel supaya mematikan sistem atau shutdown
1.	ls	Menampilkan isi dari suatu direktori
2.	ls -l	Perintah untuk melihat dengan daftar list dari suatu direktori
3.	ls -l/home	Menampilkan semua file lengkap yang ada di home
4.	what is ls	Manampilkna manual atau deskripsi dari perintah ls
5.	whatis mkdir	Manampilkan manual atau deskripsi dari perintah mkdir
6.	mkdir informatika	Untuk membuat sebuah direktori informatika
7.	rmdir informatika	Untuk menghapus direktori informatika
8.	touch rpl txt	Membuat file rpl txt
9.	rm rpl txt	Menghapus file rpl txt
10.	which mkdir	Mengehtahui letak file perintah
11.	whreis ls	Menunjukkan lokasi file ls