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## Modul 5

```

kayonekayon:~$ echo halo dunia
halo dunia
kayonekayon:~$ date
Kam Okt 17 21:41:39 WIB 2019
kayonekayon:~$ hostname
kayon
kayonekayon:~$ arch
x86_64
kayonekayon:~$ uname -a
Linux kayon 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
kayonekayon:~$ dmesg | more
[ 0.000000] Linux version 4.18.0-22-generic (buildd@lgw01-amd64-033) (gcc version 7.3.0 (Ubuntu 7.3.0-16ubuntu
u3)) #23~18.04.1-Ubuntu SMP Thu Jun 6 08:37:25 UTC 2019 (Ubuntu 4.18.0-22.23~18.04.1-generic 4.18.20)
[ 0.000000] Command line: BOOT_IMAGE=/casper/vmlinuz file=/cdrom/preseed/custom.seed boot=casper initrd=/caspe
er/initrd.gz quiet splash --
[ 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 0x0000000000000000-0x000000000009fbff] usable
[ 0.000000] BIOS-e820: [mem 0x000000000009fc00-0x000000000009ffff] reserved
[ 0.000000] BIOS-e820: [mem 0x000000000009f000-0x000000000000ffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000000010000-0x00000000000dffff] usable
[ 0.000000] BIOS-e820: [mem 0x00000000000dfff000-0x00000000000dffffff] ACPI data
[ 0.000000] BIOS-e820: [mem 0x000000000fec00000-0x000000000fec00fff] reserved
[ 0.000000] BIOS-e820: [mem 0x000000000fee00000-0x000000000fee00fff] reserved
[ 0.000000] BIOS-e820: [mem 0x000000000fffc0000-0x000000000ffffffff] reserved
kayonekayon:~$ uptime
 21:42:51 up 10 min,  1 user,  load average: 0,00, 0,30, 0,38
kayonekayon:~$ whoami
kayon
kayonekayon:~$ id
uid=990(kayon) gid=990(kayon) groups=990(kayon),4(adm),24(cdrom),27(sudo),30(dip),46(plugdev),118(lpadmin),126(s
ambashare)
kayonekayon:~$ last
kayon    tty7          :0                Thu Oct 17 21:32    gone - no logout
reboot   system boot     4.18.0-22-generi Thu Oct 17 21:32    still running

wtmp begins Thu Oct 17 21:32:17 2019
kayonekayon:~$ finger

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

sudo apt install finger

kayonekayon:~$ w
 21:43:16 up 11 min,  1 user,  load average: 0,00, 0,28, 0,37
USER      TTY      FROM            LOGIN@   IDLE   JCPU   PCPU WHAT
kayon     tty7      :0                21:32    10:50   3.64s   0.25s /bin/sh /etc/xdg/xfce4/xinitrc -- /etc/X11/xini
kayonekayon:~$ top

top - 21:43:19 up 11 min,  1 user,  load average: 0,00, 0,28, 0,37
Tasks: 134 total,  1 running, 101 sleeping,  0 stopped,  0 zombie
%Cpu(s):  3,0 us,  8,3 sy,  0,1 ni, 87,6 id,  0,9 wa,  0,0 hi,  0,2 si,  0,0 st
KiB Mem : 4811604 total, 3170512 free, 371116 used, 1269976 buff/cache
KiB Swap:  0 total,  0 free,  0 used. 3874900 avail Mem

   PID USER      PR  NI   VIRT    RES    SHR S  %CPU  %MEM    TIME+  COMMAND
    1 root        20   0 225288   9272   6956 S   0,0   0,2   0:02.53 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

```

```
root@kayon:/home/kayon# fdisk -l
Disk /dev/loop0: 1.4 GiB, 1494204416 bytes, 2918368 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
```

```
Disk /dev/sda: 12 GiB, 12884901888 bytes, 25165824 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
```

```
root@kayon:/home/kayon# users
```

```
kayon
```

```
root@kayon:/home/kayon# cat /etc/fslab
```

```
cat: /etc/fslab: No such file or directory
```

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

```
root@kayon:/home/kayon# 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:/home/kayon# 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:/home/kayon# 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.
```

```
please
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please
please
plea^C
root@kayon:/home/kayon# pwd
/home/kayon
root@kayon:/home/kayon# history
 1 clear
 2 apt update
 3 apt-get upgrade
 4 clear
 5 apt autoremove
 6 apt upgrade
 7 apt autoremove
 8 apt autoclean
```

```
root@kayon:/home/kayon# tail -f /var/log/message
tail: cannot open '/var/log/message' for reading: No such file or directory
tail: no files remaining
root@kayon:/home/kayon# lsmod
Module                Size  Used by
snd_intel8x0           40960  2
snd_ac97_codec        131072  1 snd_intel8x0
ac97_bus               16384  1 snd_ac97_codec
intel_powerclamp       16384  0
snd_pcm               98304  2 snd_intel8x0,snd_ac97_codec
crct10dif_pclmul       16384  0
snd_seq_midi           16384  0
crc32_pclmul           16384  0
snd_seq_midi_event     16384  1 snd_seq_midi
ghash_clmulni_intel    16384  0
snd_rawmidi            32768  1 snd_seq_midi
snd_seq                65536  2 snd_seq_midi,snd_seq_midi_event
pcbc                   16384  0
snd_seq_device         16384  3 snd_seq,snd_seq_midi,snd_rawmidi
```

```
root@kayon:/home/kayon# ps -axu
```

USER	PID	%CPU	%MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
root	1	0.2	0.1	225288	9288	?	Ss	21:32	0:02	/sbin/init splash
root	2	0.0	0.0	0	0	?	S	21:32	0:00	[kthreadd]
root	3	0.0	0.0	0	0	?	I<	21:32	0:00	[rcu_gp]
root	4	0.0	0.0	0	0	?	I<	21:32	0:00	[rcu_par_gp]
root	5	0.0	0.0	0	0	?	I	21:32	0:00	[kworker/0:0-mm_]
root	6	0.0	0.0	0	0	?	I<	21:32	0:00	[kworker/0:0H-kb]
root	8	0.0	0.0	0	0	?	I<	21:32	0:00	[mm_percpu_wq]
root	9	0.0	0.0	0	0	?	S	21:32	0:00	[ksoftirqd/0]
root	10	0.1	0.0	0	0	?	R	21:32	0:02	[rcu_sched]
root	11	0.0	0.0	0	0	?	I	21:32	0:00	[rcu_bh]
root	12	0.0	0.0	0	0	?	S	21:32	0:00	[migration/0]
root	13	0.0	0.0	0	0	?	S	21:32	0:00	[watchdog/0]
root	14	0.0	0.0	0	0	?	S	21:32	0:00	[cpuhp/0]
root	15	0.0	0.0	0	0	?	S	21:32	0:00	[kdevtmpfs]
root	16	0.0	0.0	0	0	?	I<	21:32	0:00	[netns]
root	17	0.0	0.0	0	0	?	S	21:32	0:00	[rcu_tasks_kthre]
root	18	0.0	0.0	0	0	?	S	21:32	0:00	[kauditd]
root	19	0.0	0.0	0	0	?	S	21:32	0:00	[khungtaskd]
root	20	0.0	0.0	0	0	?	S	21:32	0:00	[oom_reaper]
root	21	0.0	0.0	0	0	?	I<	21:32	0:00	[writeback]
root	22	0.0	0.0	0	0	?	S	21:32	0:00	[kcompactd0]
root	23	0.0	0.0	0	0	?	SN	21:32	0:00	[ksmd]
root	24	0.0	0.0	0	0	?	SN	21:32	0:00	[khugepaged]
root	25	0.0	0.0	0	0	?	I<	21:32	0:00	[crypto]
root	26	0.0	0.0	0	0	?	I<	21:32	0:00	[kintegrityd]
root	27	0.0	0.0	0	0	?	I<	21:32	0:00	[kblockd]
root	28	0.0	0.0	0	0	?	I<	21:32	0:00	[ata_sff]
root	29	0.0	0.0	0	0	?	I<	21:32	0:00	[md]

```
root@kayon:/home/kayon# lspci
```

```
00:00.0 Host bridge: Intel Corporation 440FX - 82441FX PMC [Natoma] (rev 02)
00:01.0 ISA bridge: Intel Corporation 82371SB PIIX3 ISA [Natoma/Triton II]
00:01.1 IDE interface: Intel Corporation 82371AB/EB/MB PIIX4 IDE (rev 01)
00:02.0 VGA compatible controller: VMware SVGA II Adapter
00:03.0 Ethernet controller: Intel Corporation 82540EM Gigabit Ethernet Controller (rev 02)
00:04.0 System peripheral: InnoTek Systemberatung GmbH VirtualBox Guest Service
00:05.0 Multimedia audio controller: Intel Corporation 82801AA AC'97 Audio Controller (rev 01)
00:06.0 USB controller: Apple Inc. KeyLargo/Intrepid USB
00:07.0 Bridge: Intel Corporation 82371AB/EB/MB PIIX4 ACPI (rev 08)
00:0d.0 SATA controller: Intel Corporation 82801HM/HEM (ICH8M/ICH8M-E) SATA Controller [AHCI mode] (rev 02)
```

```
root@kayon:/home/kayon# free
```

	total	used	free	shared	buff/cache	available
Mem:	4811604	377764	3143260	336812	1290580	3864612
Swap:	0	0	0			

```
root@kayon:/home/kayon# cat /proc/cpuinfo
```

```
processor       : 0
vendor_id      : GenuineIntel
cpu family     : 6
model          : 142
model name     : Intel(R) Core(TM) i5-8250U CPU @ 1.60GHz
stepping      : 10
cpu MHz        : 1800.001
cache size     : 6144 KB
physical id    : 0
siblings       : 1
core id        : 0
cpu cores      : 1
apicid         : 0
initial apicid : 0
```

```
root@kayon:/home/kayon# finger root
```

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

```
apt install finger
```

```
root@kayon:/home/kayon# reboot █
```