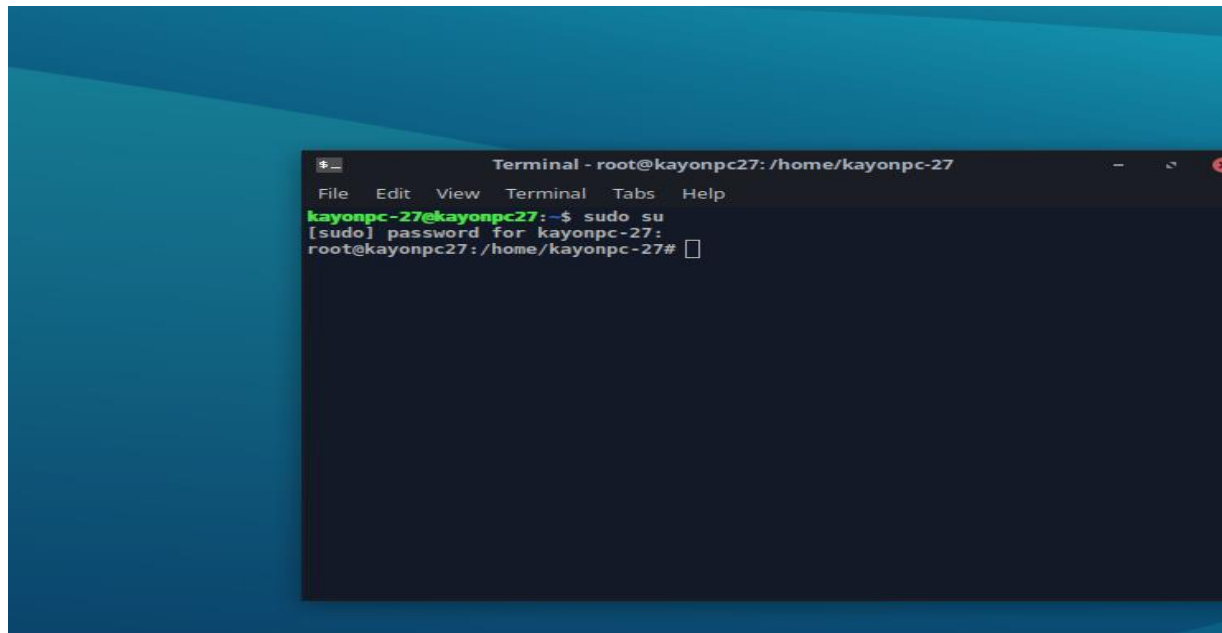
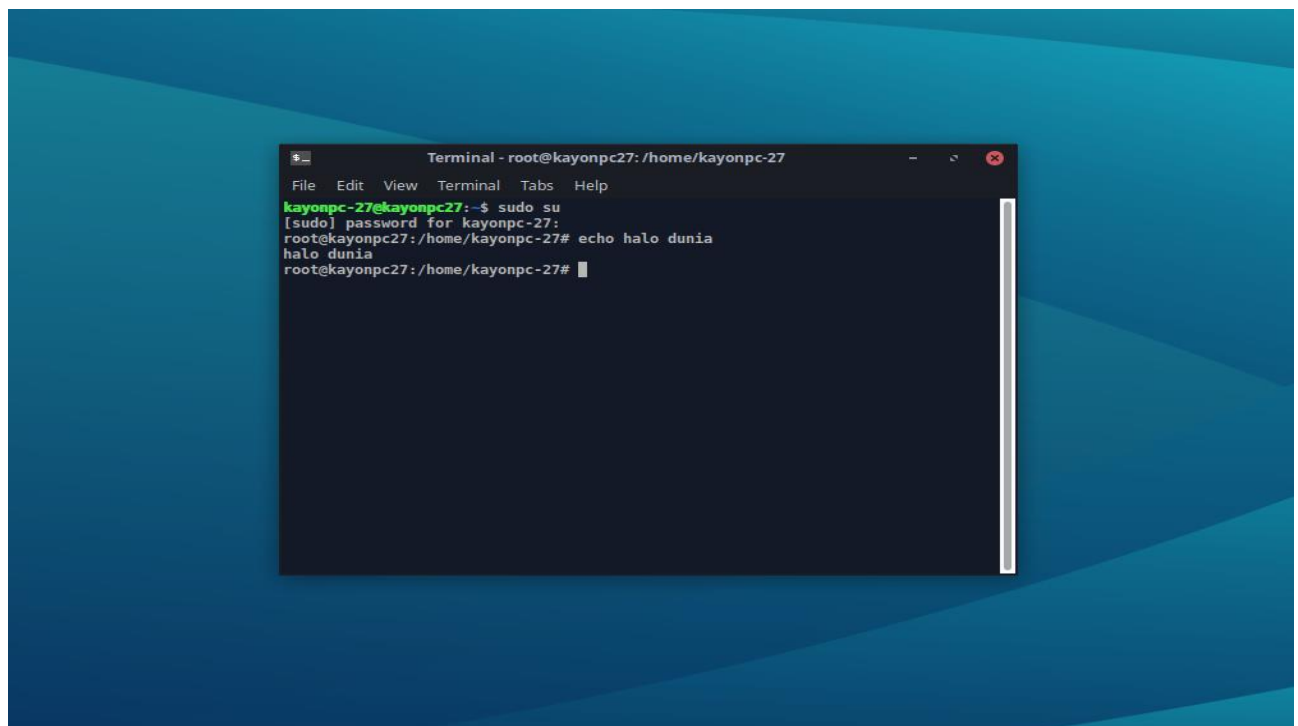


Nama : Banu Wisnu Murti
NIM : L200180133



```
Terminal - root@kayonpc27: /home/kayonpc-27
File Edit View Terminal Tabs Help
kayonpc-27@kayonpc27:~$ sudo su
[sudo] password for kayonpc-27:
root@kayonpc27: /home/kayonpc-27#
```



```
Terminal - root@kayonpc27: /home/kayonpc-27
File Edit View Terminal Tabs Help
kayonpc-27@kayonpc27:~$ sudo su
[sudo] password for kayonpc-27:
root@kayonpc27: /home/kayonpc-27# echo halo dunia
halo dunia
root@kayonpc27: /home/kayonpc-27#
```

```
root@kayonpc27:/home/kayonpc-27# date
Sun Oct 10 07:34:59 WIB 2019
root@kayonpc27:/home/kayonpc-27# hostname
kayonpc27
root@kayonpc27:/home/kayonpc-27# arch
x86_64
root@kayonpc27:/home/kayonpc-27# uname -a
Linux kayonpc27 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@kayonpc27:/home/kayonpc-27# dmesg | more
[ 0.000000] microcode: microcode updated early to revision 0xccc, date = 2019-
04-01
[ 0.000000] Linux version 5.0.0-31-generic (buildo@lgw01-mmd64-046) (gcc vers
ion 7.4.0 (Ubuntu 7.4.0-1ubuntu1-19.04.1)) #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
=393a0316-a0b4-4644-ace8-841a954072f7 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: Supporting XSAVE feature 0x008: 'MPX bounds registers'
[ 0.000000] x86/fpu: Supporting XSAVE feature 0x010: 'MPX CSR'
[ 0.000000] x86/fpu: xstate_offset[2]: 576, xstate_sizes[2]: 256
[ 0.000000] x86/fpu: xstate_offset[3]: 832, xstate_sizes[3]: 64
[ 0.000000] x86/fpu: xstate_offset[4]: 896, xstate_sizes[4]: 64
[ 0.000000] x86/fpu: Enabled xstate features 0x1f, context size is 960 bytes,
using 'compact' format.
root@kayonpc27:/home/kayonpc-27# uptime
07:36:54 up 15 min, 1 user, load average: 0.00, 0.05, 0.07
root@kayonpc27:/home/kayonpc-27# whoami
root
root@kayonpc27:/home/kayonpc-27# who
kayonpc-27 tty7 2019-10-10 07:22 (:0)
root@kayonpc27:/home/kayonpc-27# id
```

date :

hostname:

arch :

uname -a :

dmsg | more :

uptime :

whoami :

who :

```
root@kayonpc27:/home/kayonpc-27# last
kayonpc- tty7  :0      Thu Oct 10 07:22   gone - no logout
reboot system boot  5.0.0-31-generic Thu Oct 10 07:21   still running
reboot system boot  5.0.0-31-generic Thu Oct 10 07:18 - 07:19 (00:00)
kayonpc- tty7  :0      Wed Oct 9 17:28 - 17:30 (00:02)
reboot system boot  5.0.0-31-generic Wed Oct 9 17:27 - 17:30 (00:02)
kayonpc- tty7  :0      Wed Oct 9 23:33 - 17:27 (-6:06)
reboot system boot  5.0.0-31-generic Wed Oct 9 23:33 - 17:27 (-6:05)
reboot system boot  5.0.0-31-generic Wed Oct 9 15:55 - 06:58 (-6:56)
kayonpc- tty7  :0      Tue Oct 8 14:44 - 17:38 (02:53)
reboot system boot  5.0.0-31-generic Tue Oct 8 14:43 - 17:38 (02:54)
kayonpc- tty7  :0      Tue Oct 8 14:37 - 14:42 (00:04)
reboot system boot  5.0.0-31-generic Tue Oct 8 14:37 - 14:42 (00:04)
reboot system boot  5.0.0-31-generic Tue Oct 8 14:25 - 14:29 (00:04)
reboot system boot  5.0.0-27-generic Tue Oct 8 19:48 - 14:19 (-5:29)
reboot system boot  5.0.0-27-generic Mon Oct 7 23:11 - 16:11 (-6:59)
reboot system boot  5.0.0-27-generic Mon Oct 7 17:38 - 10:39 (-6:58)
reboot system boot  5.0.0-27-generic Mon Oct 7 17:37 - 17:37 (00:00)

wtmp begins Sat Oct 5 11:58:54 2019
root@kayonpc27:/home/kayonpc-27# finger
Login Name Tty Idle Login Time Office Office Phone
kayonpc-27 kayonpc-27 tty7 16 Oct 10 07:22 (:0)

root@kayonpc27:/home/kayonpc-27# w
07:37:56 up 16 min, 1 user, load average: 0.14, 0.10, 0.09
USER TTY FROM LOGIN# IDLE JCPU PCPU WHAT
kayonpc- tty7 :0 07:22 16:12 19.03s 0.05s /bin/sh /etc/xd
root@kayonpc27:/home/kayonpc-27# top

top - 07:39:26 up 17 min, 1 user, load average: 0.13, 0.11, 0.09
Tasks: 174 total, 1 running, 124 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.1 us, 0.0 sy, 0.0 ni, 99.9 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
KiB Mem : 8113660 total, 6801524 free, 483300 used, 826836 buff/cache
KiB Swap: 902668 total, 902668 free, 0 used, 7361008 avail Mem

  PID USER      PR  NI  VIRT  RES  SHR  S  %CPU  %MEM     TIME+ COMMAND
 2440 root        20   0 51648 4072 3444 R   0.3   0.1   0:00.23 top
    1 root        20   0 159876 9092 6692 S   0.0   0.1   0:01.22 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/0:0+
    8 root        0 -20   0      0 0 I   0.0   0.0   0:00.00 mm_percpu_w+
    9 root        20   0      0 0 S   0.0   0.0   0:00.01 ksoftirqd/0
   10 root        20   0      0 0 I   0.0   0.0   0:00.74 rcu_sched
   11 root        rt    0      0 0 S   0.0   0.0   0:00.00 migration/0
   12 root       -51   0      0 0 S   0.0   0.0   0:00.00 idle_injec+
   13 root        20   0      0 0 I   0.0   0.0   0:01.59 kworker/0:0+
   14 root        20   0      0 0 S   0.0   0.0   0:00.00 cpuhp/0
   15 root        20   0      0 0 S   0.0   0.0   0:00.00 cpuhp/1
   16 root       -51   0      0 0 S   0.0   0.0   0:00.00 idle_injec+
   17 root        rt    0      0 0 S   0.0   0.0   0:00.00 migration/1
   18 root        20   0      0 0 S   0.0   0.0   0:00.00 ksoftirqd/1
```

last :

finger :

w :

top :

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2449	root	20	0	51648	4072	3444	R	0,3	0,1	0:00.23	top
1	root	20	0	159876	9092	6692	S	0,0	0,1	0:01.22	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:+
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	0:00.01	ksoftirqd/0
10	root	20	0	0	0	0	I	0,0	0,0	0:00.74	rcu_sched
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	0:01.59	kworker/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+
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	0:00.00	ksoftirqd/1

```
root@kayonpc27:/home/kayonpc-27# echo $SHELL
```

```
/bin/bash
```

```
root@kayonpc27:/home/kayonpc-27# echo {con,pre} {sent,fer} {s,ed}
```

```
con pre sent fer s ed
```

```
root@kayonpc27:/home/kayonpc-27# man ls
```

echo \$SHELL :

```
Terminal - root@kayonpc27:/home/kayonpc27/
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

-f
do not sort, enable -au, disable -ls --color

-F, --classify
append indicator (one of */>@|) to entries

--file-type
likewise, except do not append '*'

--format=WORD
Manual page ls(1) line 1/206 24% (press h for help or q to quit)
```

```
Terminal - root@kayonpc27:/home/kayonpc27/
File Edit View Terminal Tabs Help

--hyperlink[=WHEN]
hyperlink file names; WHEN can be 'always' (default if omitted), 'auto', or 'never'

--indicator-style=WORD
append indicator with style WORD to entry names: none (default), slash (-p), file-type (--file-type), classify (-F)

-i, --inode
print the index number of each file

-I, --ignore=PATTERN
do not list implied entries matching shell PATTERN

-k, --kibibytes
default to 1024-byte blocks for disk usage

-l
use a long listing format

-L, --dereference
when showing file information for a symbolic link, show information for the file the link references rather than for the link itself

-m
fill width with a comma separated list of entries

-n, --numeric-uid-gid
like -l, but list numeric user and group IDs

-H, --literal
print entry names without quoting

-o
like -l, but do not list group information

-p, --indicator-style=slash
append / indicator to directories

-q, --hide-control-chars
print ? instead of nongraphic characters

--show-control-chars
show nongraphic characters as-is (the default, unless program is 'ls' and output is a terminal)

-Q, --quote-name
enclose entry names in double quotes

--quoting-style=WORD
use quoting style WORD for entry names: literal, locale, shell, shell-always, shell-escape, shell-escape-always, c, escape

-r, --reverse
reverse order while sorting

-R, --recursive
list subdirectories recursively

-s, --size
print the allocated size of each file, in blocks
Manual page ls(1) line 65/206 63% (press h for help or q to quit)
```

echo {con,pre}{sent,fer}{s,ed} :

```
Terminal - root@kayonpc27: /home/kayonpc27
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
-f
do not sort, enable -au, disable -ls --color
-F, --classify
append indicator (one of */=>@|) to entries
--file-type
likewise, except do not append '*'
--format=WORD
Manual page ls(1) line 1/206 24% (press h for help or q to quit)
```

```
Terminal - root@kayonpc27: /home/kayonpc27
File Edit View Terminal Tabs Help
--hyperlink[=WHEN]
hyperlink file names; WHEN can be 'always' (default if omitted), 'auto', or 'never'
--indicator-style=WORD
append indicator with style WORD to entry names: none (default), slash (-p), file-type (--file-type), classify (-F)
-i, --inode
print the index number of each file
-I, --ignore-PATTERN
do not list implied entries matching shell PATTERN
-k, --kibibytes
default to 1024-byte blocks for disk usage
-l
use a long listing format
-L, --dereference
when showing file information for a symbolic link, show information for the file the link references rather than for the link itself
-m
fill width with a comma separated list of entries
-n, --numeric-uid-gid
like -l, but list numeric user and group IDs
-N, --literal
print entry names without quoting
-o
like -l, but do not list group information
-p, --indicator-style=slash
append / indicator to directories
-q, --hide-control-chars
print ? instead of nongraphic characters
--show-control-chars
show nongraphic characters as-is (the default, unless program is 'ls' and output is a terminal)
-Q, --quote-name
enclose entry names in double quotes
--quoting-style=WORD
use quoting style WORD for entry names: literal, locale, shell, shell-always, shell-escape, shell-escape-always, c, escape
-r, --reverse
reverse order while sorting
-R, --recursive
list subdirectories recursively
-s, --size
print the allocated size of each file, in blocks
Manual page ls(1) line 85/206 63% (press h for help or q to quit)
```

```
Terminal - root@kayonpc27: /home/kayonpc27

File Edit View Terminal Tabs Help
assume tab stops at each COLS instead of 8

-u with -lt: sort by, and show, access time; with -l: show access time and sort by name; otherwise: sort by access time, newest first
-U do not sort; list entries in directory order
-v natural sort of (version) numbers within text
-w, --width=COLS set output width to COLS. 0 means no limit
-x list entries by lines instead of by columns
-X sort alphabetically by entry extension
-Z, --context print any security context of each file
-l list one file per line. Avoid '\n' with -q or -b
--help display this help and exit
--version output version information and exit

The SIZE argument is an integer and optional unit (example: 10K is 10*1024). Units are K,M,G,T,P,E,Z,Y (powers of 1024) or KB,MB,... (powers of 1000).

Using color to distinguish file types is disabled both by default and with --color=never. With --color=auto, ls emits color codes only when standard output is connected to a terminal. The LS_COLORS environment variable can change the settings. Use the dircolors command to set it.

Exit status:
0 if OK,
1 if minor problems (e.g., cannot access subdirectory),
2 if serious trouble (e.g., cannot access command-line argument).

AUTHOR
Written by Richard M. Stallman and David MacKenzie.

REPORTING BUGS
GNU coreutils online help: <http://www.gnu.org/software/coreutils/>
Report ls translation bugs to <http://translationproject.org/team/>

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SEE ALSO
Full documentation at: <http://www.gnu.org/software/coreutils/ls>
or available locally via: info '(coreutils) ls invocation'

GNU coreutils 8.28 January 2018 LS(1)
Manual page ls(1) line 154/206 (END) (press h for help or q to quit)
```

man ls :

```
Terminal - root@kayonpc27: /home/kayonpc27

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)
-t, --time print last system clock change
-T, -u, --msg add user's message status as +, - or ?
-u, --users list users logged in

Manual page who(1) line 1/83 56% (press h for help or q to quit)
```

```
Terminal - root@kayonpc27: /home/kayonpc-27

File Edit View Terminal Tabs Help

-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)
-t, --time
    print last system clock change
-T, -u, --msg
    add user's message status as +, - or ?
-u, --users
    list users logged in
--message
    same as -T
--writable
    same as -T
--help
    display this help and exit
--version
    output version information and exit

If FILE is not specified, use /var/run/wtmp. /var/log/wtmp as FILE is common. If ARG1 ARG2 given, -m presumed: 'am i' or 'mom likes' are usual.

AUTHOR
    Written by Joseph Arceneaux, David MacKenzie, and Michael Stone.

REPORTING BUGS
    GNU coreutils online help: <http://www.gnu.org/software/coreutils/>
    Report who translation bugs to <http://translationproject.org/team/>

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    This is free software: you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law.

SEE ALSO
    Full documentation at: <http://www.gnu.org/software/coreutils/who>
    or available locally via: info '(coreutils) who invocation'

GNU coreutils 8.28
Manual page who(1) line 31/83 (END) (press h for help or q to quit)
January 2018 WHO(1)
```

man who:

```
Terminal - root@kayonpc27: /home/kayonpc-27

File Edit View Terminal Tabs Help

top - 07:39:26 up 17 min, 1 user, load average: 0.13, 0.11, 0.09
Tasks: 174 total, 1 running, 124 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.1 us, 0.0 sy, 0.0 ni, 99.9 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
KiB Mem : 8113660 total, 6801524 free, 483380 used, 828836 buff/cache
KiB Swap: 982668 total, 982668 free, 0 used, 7361088 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM     TIME+ COMMAND
 2449 root        20   0 51648  4072  3444  R   0.3   0.1   0:00.23 top
    1 root        20   0 159076 9092  6692  S   0.0   0.1   0:01.22 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:
    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   0:00.01 ksoftirqd/0
   10 root        20   0   0      0   0      I   0.0   0.0   0:00.74 rcu_sched
   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   0:01.59 kworker/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
   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   0:00.00 ksoftirqd/1

root@kayonpc27:/home/kayonpc-27# echo $SHELL
/bin/bash
root@kayonpc27:/home/kayonpc-27# echo {con,pre} {set,fer} {s,ed}
con pre set fer s ed
root@kayonpc27:/home/kayonpc-27# man ls
root@kayonpc27:/home/kayonpc-27# man who
root@kayonpc27:/home/kayonpc-27# who can tell me aboout linux
who: extra operand 'me'
Try 'who --help' for more information.
root@kayonpc27:/home/kayonpc-27# last
kayonpc- tty7          :0      Thu Oct 10 07:22   gone - no logout
reboot  system boot    5.0.0-31-generic Thu Oct 10 07:21   still running
reboot  system boot    5.0.0-31-generic Thu Oct 10 07:18   - 07:19 (00:00)
kayonpc- tty7          :0      Wed Oct 9 17:28   - 17:30 (00:02)
reboot  system boot    5.0.0-31-generic Wed Oct 9 17:27   - 17:30 (00:02)
kayonpc- tty7          :0      Wed Oct 9 23:33   - 17:27 (-6:06)
reboot  system boot    5.0.0-31-generic Wed Oct 9 23:33   - 17:27 (-6:05)
reboot  system boot    5.0.0-31-generic Wed Oct 9 15:55   - 08:58 (-6:56)
kayonpc- tty7          :0      Tue Oct 8 14:44   - 17:38 (02:53)
reboot  system boot    5.0.0-31-generic Tue Oct 8 14:43   - 17:38 (02:54)
kayonpc- tty7          :0      Tue Oct 8 14:37   - 14:42 (00:04)
reboot  system boot    5.0.0-31-generic Tue Oct 8 14:37   - 14:42 (00:04)
reboot  system boot    5.0.0-31-generic Tue Oct 8 14:25   - 14:29 (00:04)
reboot  system boot    5.0.0-27-generic Tue Oct 8 19:48   - 14:19 (-5:29)
reboot  system boot    5.0.0-27-generic Mon Oct 7 23:11   - 16:11 (-6:59)
reboot  system boot    5.0.0-27-generic Mon Oct 7 17:38   - 10:39 (-6:58)
reboot  system boot    5.0.0-27-generic Mon Oct 7 17:37   - 17:37 (00:00)

wtmp begins Sat Oct 5 11:58:54 2019
root@kayonpc27:/home/kayonpc-27#
```

who can tell me about linux:

last :

```
Terminal - root@kayonpc27: /home/kayonpc-27
File Edit View Terminal Tabs Help
root@kayonpc27: /home/kayonpc-27#
```

clear :

```
Terminal - root@kayonpc27: /home/kayonpc-27
File Edit View Terminal Tabs Help
root@kayonpc27: /home/kayonpc-27# fdisk -l
Disk /dev/sda: 931.5 GiB, 1000204886016 bytes, 1953525168 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: 0x00402c33

Device Boot      Start         End      Sectors  Size Id Type
/dev/sda1 *        2048      1026047       1024000    500M 7 HPFS/NTFS/exFAT
/dev/sda2          1026048    417794047    416768000    198,7G 7 HPFS/NTFS/exFAT
/dev/sda3          417794048    456855551     39061504    16,06G 83 Linux

root@kayonpc27: /home/kayonpc-27#
```

fdisk -l :


```

/dev/sda2          1020048 417794047 410700000 190,7G  / ntfs/ntfs/exfat
/dev/sda3          417794048 456855551 39061504 18,6G 83 Linux

root@kayonpc27:/home/kayonpc-27# users
kayonpc-27
root@kayonpc27:/home/kayonpc-27# █

```

users :

```

root@kayonpc27:/home/kayonpc-27# 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/sda3 during installation
UUID=393a0316-a0b4-4644-ace8-841a954072f7 /      ext4    errors=remount-ro 0      1
/swapfile                                none    swap    sw                0      0
root@kayonpc27:/home/kayonpc-27# █

```

cat /etc/fstab :

```

root@kayonpc27:/home/kayonpc-27# 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
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      Mai      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
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
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@kayonpc27:/home/kayonpc-27# █

```

cal 2000 :

```

root@kayonpc27:/home/kayonpc-27# 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@kayonpc27:/home/kayonpc-27# █

```

cal 9 1752 :

```
root@kayonpc27:/home/kayonpc-27# cal 10 2007
      Oktober 2007
Mo 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@kayonpc27:/home/kayonpc-27#
```

cal 10 2007 :

```
root@kayonpc27:/home/kayonpc-27# bc -l
bc: invalid option -- 'l'
usage: bc [options] [file ...]
-h --help          print this usage and exit
-i --interactive   force interactive mode
-l --mathlib       use the predefined math routines
-q --quiet         don't print initial banner
-s --standard      non-standard bc constructs are errors
-W --warn          warn about non-standard bc constructs
-v --version       print version information and exit
root@kayonpc27:/home/kayonpc-27#
```

bc -1 :

[illegible]

yes please :

```
root@kayonpc27: /home/kayonpc-27# pwd
/home/kayonpc-27
root@kayonpc27: /home/kayonpc-27#
```

pwd :

```
Terminal - root@kayonpc27: /home/kayonpc-27
File Edit View Terminal Tabs Help
1085 lpci
1086 free
1087 cat /proc/cpuinfo
1088 finger root
1089 ls
1090 ls -l
1091 ls -l/home
1092 whatis mkdir
1093 whatis mkdir
1094 mkdir informatika
1095 rmdir informatika
1096 touch rpltxt
1097 touch rpl.txt
1098 rm rpl.txt
1099 which mkdir
1100 whereis ls
1101 df
1102 du
1103 free
1104 pstree
1105 exit
1106 echo halo dunia
1107 date
1108 hostname
1109 arch
1110 uname -a
1111 dmesg | more
1112 uptime
1113 whoami
1114 who
1115 id
1116 last
1117 finger
1118 w
1119 top
1120 echo $$SHELL
1121 echo {con,pre} {sent,fer} {s,ed}
1122 man ls
1123 man who
1124 who can tell me about linux
1125 last
1126 clear
1127 fdisk -l
1128 users
1129 cat /etc/fstab
1130 cal 2000
1131 cal 9 1752
1132 cal 10 2007
1133 bc -l
1134 echo $*4 | bc -l
1135 yes please
1136 pwd
1137 history
root@kayonpc27: /home/kayonpc-27#
```

history :

```
root@kayonpc27:/home/kayonpc-27# tail -f /var/log/message
tail: cannot open '/var/log/message' for reading: No such file or directory
tail: no files remaining
root@kayonpc27:/home/kayonpc-27#
```

message :

```
Terminal - root@kayonpc27: /home/kayonpc-27
File Edit View Terminal Tabs Help
snd_seq_midi_event 16384 1 snd_seq_midi
snd_rawmidi 36864 1 snd_seq_midi
snd_hda_codec 135168 4 snd_hda_codec_generic,snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec_realtek
snd_seq 69632 2 snd_seq_midi,snd_seq_midi_event
snd_hda_core 86016 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
mei_me 40960 0
snd_pcm 102400 4 snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec,snd_hda_core
mei 106496 1 mei_me
snd_seq_device 16384 3 snd_seq,snd_seq_midi,snd_rawmidi
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
acpi_pad 184320 0
wmi_bmf 16384 0
mac_hid 16384 0
sch_fq_codel 20480 6
parport_pc 36864 0
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 1173552 0
xor 24576 1 btrfs
zstd_compress 163840 1 btrfs
raid6_pq 114688 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
rtsx_usb_sdmmc 28672 0
rtsx_usb 24576 2 rtsx_usb_sdmmc,rtsx_usb_ms
hid_generic 16384 0
usbhid 53248 0
hid 126976 2 usbhid,hid_generic
nouveau 1871872 3
mxm_wmi 16384 1 nouveau
i2c_algo_bit 16384 1 nouveau
ttm 102400 1 nouveau
drm_kms_helper 180224 1 nouveau
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 483328 6 drm_kms_helper,ttm,nouveau
r8169 86016 0
ahci 40960 1
realtek 20480 0
libahci 32768 1 ahci
wmi 28672 3 wmi_bmf,mxm_wmi,nouveau
video 49152 1 nouveau
root@kayonpc27: /home/kayonpc-27#
```

lsmod :

```
Terminal - root@kayonpc27: /home/kayonpc-27
kayonpc+ 1468 0.0 0.4 521120 38856 ? Ssl 07:22 0:02 xfdesktop
kayonpc+ 1464 0.0 0.2 393656 18448 ? Ssl 07:22 0:00 xfsettingsd
kayonpc+ 1469 0.0 0.4 598380 34996 ? Ssl 07:22 0:00 update-notifier
kayonpc+ 1470 0.0 0.3 379664 30632 ? Ssl 07:22 0:00 xfce4-power-manager
kayonpc+ 1472 0.0 0.1 367768 8764 ? Ssl 07:22 0:00 /usr/lib/at-spi2-core/at-spi-bus-launcher
kayonpc+ 1475 0.0 0.0 292420 6924 ? Ssl 07:22 0:00 /usr/lib/gvfs/gvfsd
kayonpc+ 1480 0.0 0.0 432820 7928 ? Ssl 07:22 0:00 /usr/lib/gvfs/gvfsd-fuse /run/user/1000/gvfs -f -o big_writes
kayonpc+ 1488 0.0 0.3 351336 30408 ? Ssl 07:22 0:00 /usr/lib/policykit-1-gnome/poKit-gnome-authentication-agent-1
kayonpc+ 1492 0.0 0.0 49920 4220 ? S 07:22 0:00 /usr/bin/dbus-daemon --config-file=/usr/share/defaults/at-spi2/accessibility.conf --nofork --print-address 3
kayonpc+ 1495 0.0 0.0 220704 6916 ? Ssl 07:22 0:00 /usr/lib/at-spi2-core/at-spi2-registrd --use-gnome-session
kayonpc+ 1508 0.0 0.7 692072 62188 ? Ssl 07:22 0:00 /usr/bin/python3 /usr/bin/blueman-applet
kayonpc+ 1509 0.0 0.4 262036 32796 ? Ssl 07:22 0:00 /usr/bin/python3 /usr/share/system-config-printer/applet.py
kayonpc+ 1510 0.0 0.3 423400 29916 ? Ssl 07:22 0:00 light-locker
kayonpc+ 1513 0.0 0.5 669176 42772 ? Ssl 07:22 0:01 nm-applet
kayonpc+ 1518 0.0 0.0 187772 5032 ? Ssl 07:22 0:00 /usr/lib/dconf/dconf-service
kayonpc+ 1526 0.0 0.2 427628 17752 ? Ssl 07:22 0:00 /usr/lib/x86_64-linux-gnu/xfce4/notifyd/xfce4-notifyd
root 1529 0.0 0.1 322844 8580 ? Ssl 07:22 0:00 /usr/lib/upower/upowerd
kayonpc+ 1543 0.0 0.1 574796 11180 ? Ssl 07:22 0:00 /usr/bin/pulseaudio --start --log-target=syslog
rtkit 1547 0.0 0.0 183580 2952 ? Ssl 07:22 0:00 /usr/lib/rtkit/rtkit-daemon
kayonpc+ 1559 0.0 0.5 504004 42756 ? Ssl 07:22 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 8388646 whiskermenu Wh
kayonpc+ 1567 0.0 0.1 183908 15580 ? S 07:22 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-1.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libsystray.so 4 8388653 systray Notificati
kayonpc+ 1568 0.0 0.4 166660 35956 ? Ssl 07:22 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 8388654 notifi
kayonpc+ 1569 0.0 0.4 492896 34852 ? Ssl 07:22 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 8388655 indicator
kayonpc+ 1570 0.0 0.4 570524 36960 ? Ssl 07:22 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 8388656 statusnotif
kayonpc+ 1571 0.0 0.4 418868 37616 ? Ssl 07:22 0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libxfcepowermanager.so 8 8388657 power-ma
kayonpc+ 1572 0.1 0.4 712804 39020 ? Ssl 07:22 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 8388658 pulseaud
kayonpc+ 1594 0.0 0.1 391932 9932 ? Ssl 07:22 0:00 /usr/lib/x86_64-linux-gnu/indicator-messages/indicator-messages-service
kayonpc+ 1600 0.0 0.1 320652 10648 ? Ssl 07:22 0:00 /usr/lib/gvfs/gvfs-udisks2-volume-monitor
kayonpc+ 1604 0.0 0.0 379280 7748 ? Ssl 07:22 0:00 /usr/lib/gvfs/gvfs-afc-volume-monitor
kayonpc+ 1611 0.0 0.0 289264 6672 ? Ssl 07:22 0:00 /usr/lib/gvfs/gvfs-gphoto2-volume-monitor
kayonpc+ 1615 0.0 0.0 276340 4940 ? Ssl 07:22 0:00 /usr/lib/gvfs/gvfs-mtp-volume-monitor
kayonpc+ 1620 0.0 0.0 274512 5736 ? Ssl 07:22 0:00 /usr/lib/gvfs/gvfs-goa-volume-monitor
kayonpc+ 1629 0.0 0.1 384352 9668 ? Ssl 07:22 0:00 /usr/lib/gvfs/gvfsd-trash --spawner :1.14 /org/gtk/gvfs/exec_spaw/0
kayonpc+ 1638 0.0 0.0 82724 6960 ? Ss 07:22 0:00 /usr/lib/bluetooth/obexd
root 1645 0.0 0.0 0 0 ? Ss 07:22 0:00 [krfcomm]
root 1677 0.0 0.1 382896 14240 ? Ssl 07:22 0:00 /usr/lib/packagekit/packagekitd
kayonpc+ 2210 2.3 0.5 600948 48540 ? Ssl 07:24 1:03 /usr/bin/xfce4-terminal
kayonpc+ 2214 0.0 0.0 30248 5164 pts/0 Ss 07:24 0:00 bash
root 2223 0.0 0.0 72424 4376 pts/0 S 07:25 0:00 sudo su
root 2237 0.0 0.0 72712 3964 pts/0 S 07:26 0:00 su
root 2238 0.0 0.0 30220 5108 pts/0 S 07:26 0:00 bash
root 2301 0.0 0.1 108148 8164 ? Ss 07:26 0:00 /usr/sbin/cupsd -l
root 2302 0.0 0.1 303520 10776 ? Ssl 07:26 0:00 /usr/sbin/cups-browsed
kayonpc+ 2386 0.0 0.0 204836 4064 ? Ssl 07:29 0:00 /usr/lib/gvfs/gvfsd-metadata
kayonpc+ 2469 0.0 0.2 457208 22840 ? SHL 07:41 0:00 /usr/lib/x86_64-linux-gnu/tumbler-1/tumblerd
root 2578 0.0 0.0 0 0 ? I 07:50 0:00 [kworker/u8:3-av]
root 2640 0.3 0.0 0 0 ? I 07:56 0:02 [kworker/u8:0-av]
root 2688 2.2 0.0 0 0 ? I 08:02 0:10 [kworker/u8:1-av]
root 2717 2.9 0.0 0 0 ? I 08:05 0:08 [kworker/u8:2-av]
root 2718 3.1 0.0 0 0 ? I 08:05 0:09 [kworker/u8:4-av]
root 2745 0.0 0.0 0 0 ? I 08:07 0:00 [kworker/3:0]
root 2768 0.0 0.0 0 0 ? I 08:09 0:00 [kworker/2:0]
root 2770 0.0 0.0 47236 3628 pts/0 R+ 08:10 0:00 ps -axu
root@kayonpc27: /home/kayonpc-27#
```

ps -axu :

```
root@kayonpc27:/home/kayonpc-27# lspci
00:00.0 Host bridge: Intel Corporation Xeon E3-1200 v5/E3-1500 v5/6th Gen Core Processor Host Bridge/DRAM Registers (rev 07)
00:01.0 PCI bridge: Intel Corporation Xeon E3-1200 v5/E3-1500 v5/6th Gen Core Processor PCIe Controller (x16) (rev 07)
00:14.0 USB controller: Intel Corporation 100 Series/C230 Series Chipset Family USB 3.0 xHCI Controller (rev 31)
00:16.0 Communication controller: Intel Corporation 100 Series/C230 Series Chipset Family MEI Controller #1 (rev 31)
00:17.0 SATA controller: Intel Corporation Q170/Q150/B150/H170/H110/Z170/CN236 Chipset SATA Controller [AHCI Mode] (rev 31)
00:1c.0 PCI bridge: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #6 (rev f1)
00:1d.0 PCI bridge: Intel Corporation 100 Series/C230 Series Chipset Family PCI Express Root Port #9 (rev f1)
00:1f.0 ISA bridge: Intel Corporation H110 Chipset LPC/eSPI Controller (rev 31)
00:1f.2 Memory controller: Intel Corporation 100 Series/C230 Series Chipset Family Power Management Controller (rev 31)
00:1f.3 Audio device: Intel Corporation 100 Series/C230 Series Chipset Family HD Audio Controller (rev 31)
00:1f.4 SMBus: Intel Corporation 100 Series/C230 Series Chipset Family SMBus (rev 31)
01:00.0 VGA compatible controller: NVIDIA Corporation GK208B [GeForce GT 720] (rev a1)
01:00.1 Audio device: NVIDIA Corporation GK208 HDMI/DP Audio Controller (rev a1)
02:00.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL8111/8168/8411 PCI Express Gigabit Ethernet Controller (rev 0c)
03:00.0 Network controller: Intel Corporation Dual Band Wireless-AC 3165 Plus Bluetooth (rev 79)
root@kayonpc27:/home/kayonpc-27#
```

lspci :

```
root@kayonpc27:/home/kayonpc-27# free
              total        used        free      shared  buff/cache   available
Mem:           8113660      497848      6776436         4016       839376      7346036
Swap:          902668            0       902668
root@kayonpc27:/home/kayonpc-27#
```

free :

```
Terminal - root@kayonpc27: /home/kayonpc-27
File Edit View Terminal Tabs Help

cpu MHz      : 900.066
cache size   : 6144 KB
physical id   : 0
siblings     : 4
core id      : 2
cpu cores    : 4
apicid       : 4
initial apicid : 4
fpu          : yes
fpu_exception : yes
cpuid level   : 22
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 art arch_perfmon pebs b
ts rep_good nopl xtopology nonstop_tsc cpuid aperfperf tsc_known_freq pni pclmulqdq dtes64 monitor ds_cpl vmx est tm2 ssse3 sdbg fma cx16 xtpr pdcm pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_ti
mer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single pti ssbd ibrs ibpb stibp tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms i
nvpcid mpx rdseed adx smap clflushopt intel_pt xsaveopt xsavec xgetbv1 xsaves dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp md_clear flush_lid
bugs         : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass l1tf mds swapgs
bogomips     : 5424.00
clflush size  : 64
cache alignm  : 64
address sizes : 39 bits physical, 48 bits virtual
power managem :

processor     : 3
vendor_id     : GenuineIntel
cpu family    : 6
model         : 94
model name    : Intel(R) Core(TM) i5-6400 CPU @ 2.70GHz
stepping      : 3
microcode    : 0xccc
cpu MHz       : 900.007
cache size    : 6144 KB
physical id    : 0
siblings      : 4
core id       : 3
cpu cores     : 4
apicid        : 6
initial apicid : 6
fpu           : yes
fpu_exception : yes
cpuid level    : 22
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 art arch_perfmon pebs b
ts rep_good nopl xtopology nonstop_tsc cpuid aperfperf tsc_known_freq pni pclmulqdq dtes64 monitor ds_cpl vmx est tm2 ssse3 sdbg fma cx16 xtpr pdcm pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_ti
mer aes xsave avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single pti ssbd ibrs ibpb stibp tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adjust bmi1 avx2 smep bmi2 erms i
nvpcid mpx rdseed adx smap clflushopt intel_pt xsaveopt xsavec xgetbv1 xsaves dtherm ida arat pln pts hwp hwp_notify hwp_act_window hwp_epp md_clear flush_lid
bugs          : cpu_meltdown spectre_v1 spectre_v2 spec_store_bypass l1tf mds swapgs
bogomips      : 5424.00
clflush size   : 64
cache alignm   : 64
address sizes  : 39 bits physical, 48 bits virtual
power managem  :

root@kayonpc27: /home/kayonpc-27#
```

cat :

```
root@kayonpc27: /home/kayonpc-27# finger root
Login: root          Name: root
Directory: /root     Shell: /bin/bash
Never logged in.
No mail.
No Plan.
root@kayonpc27: /home/kayonpc-27#
```

finger root :

TUGAS

1. Jelaskan distro linux yang ada saat ini (minimal 5)

a. Ubuntu

Ubuntu merupakan distro linux yang sudah sangat populer di kalangan pengguna linux. Ubuntu dibangun berdasarkan arsitektur Debian, dan Ubuntu telah berhasil menyeimbangkan stabilitas dan fitur-fitur baru seperti tidak ada distro lain didalamnya. Itu sebabnya ubuntu menjadi distro linux yang popularitas tak tertandingi.

b. Linux Mint

Linux Mint adalah salah satu distro Linux yang paling cepat berkembang. Dan linux mint ini terus menantang Ubuntu untuk menjadi yang terpopuler. Selain itu, Linux Mint telah memantapkan dirinya sebagai OS pengganti sempurna untuk sistem operasi Windows dengan pengalaman desktop yang hampir sempurna.

Alasan lain adalah kemampuannya untuk memberikan pengalaman yang tidak biasa kepada pengguna.

c. CentOS

CentOS terkenal sangat stabil dengan kinerja yang bagus. Faktor-faktor lain yang penting adalah dukungan perangkat keras, keamanan, efisiensi daya, dan kinerja yang dioptimalkan. Ada banyak opsi gratis dan berbayar untuk skenario seperti itu. RHEL menikmati posisi yang sama di arena perusahaan yang dinikmati oleh Ubuntu di dunia desktop Linux. CentOS adalah cara untuk mendapatkan manfaat RHEL tanpa mengeluarkan biaya tunggal. Dengan kata lain, CentOS adalah komunitas yang didukung RHEL. Karena binernya kompatibel dengan RHEL dan repositorinya memiliki semua perangkat lunak yang sudah dicoba dan teruji.

d. Steam OS

Para gamer tidak banyak yang menggunakan OS Linux. Karena memang ketersediaan game tidak banyak untuk platform Linux. Namun, dalam beberapa tahun terakhir ini semakin banyak judul game yang dirilis untuk Linux. Dari banyak distro linux, Steam OS adalah pilihan utama untuk sebagian besar gamer. Steam OS dilengkapi dengan tweak kernel Linux tambahan untuk memastikan bahwa seseorang mendapatkan kinerja gaming yang lebih baik dibandingkan dengan distro lainnya. Ini juga menyediakan dukungan luas untuk GPU, gamepads, dan perangkat keras lainnya. Steam OS dibuat oleh Valve, perusahaan di belakang platform distribusi game online Steam.

e. Debian

Debian memiliki banyak koleksi paket yang memiliki reputasi untuk diuji secara teratur, diperbarui, dan kokoh. Stabilitas ini memungkinkan programmer untuk berfokus hanya mengurus pengembangan program. Namun, perlu diingat bahwa Debian hanya direkomendasikan untuk programmer yang sudah memiliki pengalaman bekerja dengan Linux.

f. Elementary OS

Elementary OS berbasis Ubuntu adalah distro Linux yang paling indah dan dikenal karena kinerjanya yang tak tertandingi. OS open source untuk pengganti Windows dan macOS, Elementary OS ini meminjam beberapa elemen desain dari macOS. Distro ini juga tidak dibawakan banyak aplikasi default Ubuntu, karena Elementary OS bertujuan untuk memberikan pengalaman yang ringan kepada pengguna. Dengan lingkungan desktop Pantheon berbasis GNOME, Elementary OS sangat terintegrasi dengan aplikasi seperti Plank, Epiphany, dan Scratch. Secara keseluruhan, ini dapat digunakan oleh pengguna berpengalaman dan pemula untuk melakukan tugas-tugas komputasi sehari-hari.

2. Jelaskan 20 perintah yang sama diantara masing masing distro.

- a. cd = berpindah direktori
- b. mkdir = membuat folder baru
- c. rmdir = menghapus folder
- d. exit = keluar dari terminal
- e. date = melihat tanggal
- f. cp = mengcopy file

- g. mv = memindahkan/rename file
- h. sudo su = login pengguna root
- i. touch = membuat file baru
- j. echo = menampilkan sebuah pesan
- k. dmesg = melihat hardware yang sedang beraktifitas
- l. cpuinfo = melihat spesifikasi komputer
- m. halt = mematikan komputer
- n. ipconfig = melihat konfigurasi jaringan
- o. df -h = melihat sisa kapasitas harddisk
- p. who = melihat nama login kita
- q. cal = melihat kalender
- r. hostname = melihat nama komputer
- s. history = melihat perintah apa saja yang pernah diketik
- t. tar = mengextract file

3. Arti init0-init6:

- init 0 :Shutdown (berjalan melalui skrip /etc/rc0.d/* lalu berhenti)
- init 1 :Mode pengguna tunggal atau mode darurat berarti tidak ada jaringan tidak ada multitasking dalam mode ini, hanya root yang memiliki akses di runlevel ini
- init 2 :Tidak ada jaringan tetapi dukungan multitasking hadir.
- init 3 :Jaringan hadir multitasking tetapi tanpa GUI.
- init 4 :Ini mirip dengan runlevel 3; Ini dicadangkan untuk keperluan lain dalam penelitian.
- init 5 :Jaringan hadir multitasking dan GUI hadir dengan suara dll.
- init 6 :Runlevel ini didefinisikan untuk memulai ulang sistem.

4. Arti perintah quota:

nilai batas yang ditetapkan untuk mengelola akses ke sumber daya sistem dan jaringan atau jumlah penyimpanan yang digunakan oleh User atau Group tertentu.