

SISTEM OPERASI

MINGGU 2



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PERINTAH DI TERMINAL LINUX

1. Ls

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	with -l, scale sizes by SIZE when printing them; e.g., '--block-size=M'; 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]	color the output WHEN; more info below
-d, --directory	list directories themselves, not their contents
-D, --dired	generate output designed for Emacs' dired mode
-f	list all entries in directory order
-F, --classify[=WHEN]	append indicator (one of */=>@) to entries WHEN
--file-type	likewise, except do not append '*'
--format=WORD	across -x, commas -m, horizontal -x, long -l, single-column -1, verbose -l, vertical -C

```
.
root@vbox:/home/annoraega# ls -a
.                .bash_logout    .config         Downloads       .gnupg         Pictures       .ssh
..               .bashrc         Desktop         .face           .local         .profile      Templates
.bash_history    .cache          Documents       .face.icon      Music          Public         Videos
```

NOTE: fungsi dari `ls -a` adalah untuk menampilkan semua file dan directory.

2. pwd

```
root@vbox:/home/annoraega# pwd --help
pwd: pwd [-LP]
    Print the name of the current working directory.

Options:
  -L      print the value of $PWD if it names the current working
          directory
  -P      print the physical directory, without any symbolic links

By default, 'pwd' behaves as if '-L' were specified.
```

```
root@vbox:/home/annoraega# pwd -L
/home/annoraega
root@vbox:/home/annoraega#
```

NOTE: option `pwd -L` berfungsi untuk menampilkan file directory yang sedang dikerjakan di dalam aplikasi tersebut.

3. find

```
Other common options:
  --help                display this help and exit
  --version             output version information and exit

root@vbox:/home/annoraega# find --version
find (GNU findutils) 4.9.0
Copyright (C) 2022 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <https://gnu.org/licenses/gpl.html>.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
```

NOTE: dalam perintah `find` option yang dipilih adalah `find --version` yang dimana fungsinya untuk mengetahui apakah versi di dalam aplikasi itu sudah benar atau belum.

4. hostname

```
root@vbox:/home/annoraega# hostname --help
Usage: hostname [-b] {hostname|-F file}      set host name (from file)
        hostname [-a|-A|-d|-f|-i|-I|-s|-y]    display formatted name
        hostname                               display host name

        {yp,nis,}domainname {nisdomain|-F file} set NIS domain name (from file)
        {yp,nis,}domainname                   display NIS domain name

        dnsdomainname                         display dns domain name

        hostname -V|--version|-h|--help       print info and exit

Program name:
        {yp,nis,}domainname=hostname -y
        dnsdomainname=hostname -d
```

```
root@vbox:/home/annoraega# hostname -V
hostname 3.23
root@vbox:/home/annoraega#
```

NOTE: dalam perintah hostname yang dipilih adalah hostname -V yang dimana fungsinya adalah untuk mengetahui hostname versi yang digunakan.

5. history

```
root@vbox:/home/annoraega# history --help
history: history [-c] [-d offset] [n] or history -anrw [filename] or history -ps arg [arg...]
    Display or manipulate the history list.

    Display the history list with line numbers, prefixing each modified
    entry with a `*'.  An argument of N lists only the last N entries.

    Options:
    -c          clear the history list by deleting all of the entries
    -d offset   delete the history entry at position OFFSET. Negative
                offsets count back from the end of the history list

    -a          append history lines from this session to the history file
    -n          read all history lines not already read from the history file
                and append them to the history list
    -r          read the history file and append the contents to the history
                list
    -w          write the current history to the history file
```

```
root@vbox:/home/annoraega# history -c
root@vbox:/home/annoraega# history
  1 history
root@vbox:/home/annoraega#
```

NOTE: dalam perintah history yang dipilih history -c yang dimana perintah ini berfungsi untuk membersihkan semua history yang ada sebelumnya.

6. man

-X = -TX75, -X100 = -TX100, -X100-12 = -TX100-12	
-Z, --ditroff	use groff and force it to produce ditroff
-?, --help	give this help list
--usage	give a short usage message
-V, --version	print program version

```

root@vbox:/home/annoraega# man --usage
Usage: man [-dDfKlWwciIau7tZ?V] [-C FILE] [-R ENCODING] [-L LOCALE]
        [-m SYSTEM] [-M PATH] [-S LIST] [-s LIST] [-e EXTENSION]
        [-P PAGER] [-r STRING] [-E ENCODING] [-p STRING] [-T[DEVICE]]
        [-H[BROWSER]] [-X[RESOLUTION]] [--config-file=FILE] [--debug]
        [--default] [--warnings[=WARNINGS]] [--whatis] [--apropos]
        [--global-apropos] [--local-file] [--where] [--path] [--location]
        [--where-cat] [--location-cat] [--catman] [--recode=ENCODING]
        [--locale=LOCALE] [--systems=SYSTEM] [--manpath=PATH]
        [--sections=LIST] [--extension=EXTENSION] [--ignore-case]
        [--match-case] [--regex] [--wildcard] [--names-only] [--all]
        [--update] [--no-subpages] [--pager=PAGER] [--prompt=STRING]
        [--ascii] [--encoding=ENCODING] [--no-hyphenation] [--nh]
        [--no-justification] [--nj] [--preprocessor=STRING] [--troff]
        [--troff-device[=DEVICE]] [--html[=BROWSER]]
        [--gxditview[=RESOLUTION]] [--ditroff] [--help] [--usage]
        [--version] [SECTION] PAGE...

```

NOTE: perintah `man --usage` digunakan untuk menampilkan deskripsi singkat dan penggunaan perintah `man` (manual) itu sendiri di dalam terminal. `man` adalah perintah yang digunakan untuk menampilkan panduan pengguna atau manual dari perintah yang ada di sistem operasi berbasis Unix atau Linux.

7. echo

```

root@vbox:/home/annoraega# echo saya mahasiswa polinema berada di prodi sistem informasi bisnis
saya mahasiswa polinema berada di prodi sistem informasi bisnis
root@vbox:/home/annoraega# █

```

NOTE: perintah `echo` digunakan untuk menuliskan dan menampilkan pesan yang kita tulis.

8. time

```

root@vbox:/home/annoraega# time --help
-bash: --help: command not found

real    0m0.001s
user    0m0.001s
sys     0m0.001s
root@vbox:/home/annoraega# █

```

NOTE: fungsi perintah `time` adalah untuk mengetahui waktu yang dibutuhkan untuk mengeksekusi suatu perintah di dalam terminal.

9. uname

```
root@vbox:/home/annoraega# uname --help
```

```
Usage: uname [OPTION]...
```

```
Print certain system information. With no OPTION, same as -s.
```

-a, --all	print all information, in the following order, except omit -p and -i if unknown:
-s, --kernel-name	print the kernel name
-n, --nodename	print the network node hostname
-r, --kernel-release	print the kernel release
-v, --kernel-version	print the kernel version
-m, --machine	print the machine hardware name
-p, --processor	print the processor type (non-portable)
-i, --hardware-platform	print the hardware platform (non-portable)
-o, --operating-system	print the operating system
--help	display this help and exit
--version	output version information and exit

```
root@vbox:/home/annoraega# uname -a
```

```
_linux vbox 6.1.0-31-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.128-1 (2025-02-07) x36_64 GNU/Linux
```

```
root@vbox:/home/annoraega# █
```

NOTE: fungsi perintah `uname -a` dalam `uname` adalah untuk menampilkan informasi sistem.

10. dig

```
root@vbox:/home/annoraega# dig --help
```

```
[invalid option: --help
```

```
Usage: dig [@global-server] [domain] [q-type] [q-class] {q-opt}  
      {global-d-opt} host [@local-server] {local-d-opt}  
      [ host [@local-server] {local-d-opt} [...]]
```

Use "dig -h" (or "dig -h | more") for complete list of options

```
root@vbox:/home/annoraega# dig domain
```

```
;; communications error to 10.0.2.3#53: timed out
```

```
;; communications error to 10.0.2.3#53: timed out
```

```
;; communications error to 10.0.2.3#53: timed out
```

```
; <<>> DiG 9.18.33-1~deb12u2-Debian <<>> domain
```

```
;; global options: +cmd
```

```
;; no servers could be reached
```

```
root@vbox:/home/annoraega# █
```

NOTE: `dig domain` dalam perintah `dig` berfungsi untuk mengetahui informasi mengenai domain yang ada.

11. uptime

```
root@vbox:/home/annoraega# uptime --help

Usage:
  uptime [options]

Options:
  -p, --pretty    show uptime in pretty format
  -h, --help      display this help and exit
  -s, --since     system up since
  -V, --version   output version information and exit

For more details see uptime(1).
root@vbox:/home/annoraega# uptime -p
up 22 minutes
root@vbox:/home/annoraega# █
```

NOTE: perintah `uptime -p` pada perintah `uptime` berfungsi untuk menampilkan jumlah waktu berada di dalam program.