

29 Februari 2024

LAPORAN PRAKTIKUM 1

Perintah Dasar Sistem Operasi Linux

Mata Kuliah Sistem Operasi



Nama Dosen Pengampu

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Kelas : 1 D4 IT A

LATIHAN :

1. Ubahlah informasi finger pada Komputer anda !

```
3123600001 : finger
Login      Name      Tty      Idle  Login Time   Office      Office Phone
mrrizzz          *pts/1    1:15  Feb 29 08:21  2301           x8715
3123600001 : sudo nano /etc/pa
pam.conf pam.d/  passwd  passwd-
3123600001 : sudo nano /etc/passwd
[sudo] password for mrrizzz:
3123600001 : sudo nano /etc/passwd
3123600001 : finger
Login      Name      Tty      Idle  Login Time   Office      Office Phone
mrrizzz  Rafi Rizaldi *pts/1    1:18  Feb 29 08:21  Lab Pemrog x3672
3123600001 : |
```

2. Lihatlah user-user yang sedang aktif pada komputer Anda.

```
3123600001 : who
mrrizzz pts/1          2024-02-29 08:21
3123600001 : |
```

3. Perintah apa yang digunakan untuk melihat kalender satu tahun penuh ?

cal -y

4. Bagaimana anda dapat melihat manual dari perintah cal ?

dengan mengetikkan perintah “man cal”

5. Bagaimana melihat perintah manual ls dengan kata kunci sort ?

ketik “man ls” dan kemudian setelah masuk manual ls tekan ‘/’ dan ketik ‘sort’, lalu

tekan enter

```

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
                with -l, scale sizes by SIZE when printing them; e.g., '--block-size=M'; see SIZE format below

        /sort|

```

6. Bagaimana tampilan untuk perintah ls -a -l dan ls -al ?

```

3123600001 : man ls
3123600001 : ls -a -l
ls -al
total 92
drwxr-x--- 9 mrrizzz mrrizzz 4096 Feb 29 09:48 .
drwxr-xr-x 3 root      root    4096 Feb 22 08:27 ..
-rw------- 1 mrrizzz mrrizzz 7471 Feb 29 09:36 .bash_history
-rw-r--r-- 1 mrrizzz mrrizzz  220 Feb 22 08:27 .bash_logout
-rw-r--r-- 1 mrrizzz mrrizzz 3771 Feb 22 08:27 .bashrc
drwx----- 3 mrrizzz mrrizzz 4096 Feb 25 11:23 .cache
-rw-r--r-- 1 mrrizzz mrrizzz   60 Feb 25 20:56 .gitconfig
-rw----- 1 mrrizzz mrrizzz   34 Feb 29 09:48 .lesshst
drwx----- 2 mrrizzz mrrizzz 4096 Feb 22 09:46 .links2
-rw-r--r-- 1 mrrizzz mrrizzz    0 Feb 29 08:21 .motd_shown
-rw-r--r-- 1 mrrizzz mrrizzz  807 Feb 22 08:27 .profile
drwx----- 2 mrrizzz mrrizzz 4096 Feb 22 09:46 .ssh
-rw-r--r-- 1 mrrizzz mrrizzz    0 Feb 22 09:03 .sudo_as_admin_successful
-rw----- 1 mrrizzz mrrizzz  778 Feb 29 09:36 .viminfo
drwxr-xr-x 5 mrrizzz mrrizzz 4096 Feb 22 09:02 .vscode-server
drwxr-xr-x 4 mrrizzz mrrizzz 4096 Feb 22 09:51 KULIAH2
drwxr-xr-x 3 mrrizzz mrrizzz 4096 Feb 29 09:17 backup
drwxr-xr-x 2 mrrizzz mrrizzz 4096 Feb 29 09:03 bakcup
-rw-r--r-- 1 mrrizzz mrrizzz  795 Feb 29 09:01 f1
-rw-r--r-- 1 mrrizzz mrrizzz  795 Feb 29 09:00 f2
-rw-r--r-- 1 mrrizzz mrrizzz  795 Feb 29 09:04 f3
-rw-r--r-- 1 mrrizzz mrrizzz  795 Feb 29 08:59 f4
-rw----- 1 mrrizzz mrrizzz 3401 Feb 22 09:48 ssh
-rw-r--r-- 1 mrrizzz mrrizzz  753 Feb 22 09:48 ssh.pub
total 92
drwxr-x--- 9 mrrizzz mrrizzz 4096 Feb 29 09:48 .

```

7. Tampilkan semua file termasuk yang hidden file pada direktori /etc.

```
3123600001 : ls -a /etc/
.
..
.pwd.lock
ModemManager
NetworkManager
PackageKit
X11
adduser.conf
alternatives
apparmor
apparmor.d
apport
apt
bash.bashrc
bash_completion
bash_completion.d
bindresvport.blacklist
binfmt.d
byobu
ca-certificates
ca-certificates.conf
ca-certificates.conf.dpkg-old
chatscripts
console-setup
cron.d
cron.daily
cron.hourly
cron.monthly
cron.weekly
deluser.conf
depmod.d
dhcp
dpkg
e2scrub.conf
environment
ethertypes
fonts
fstab
fuse.conf
gai.conf
groff
group
group-
gshadow
gshadow-
gss
hdparm.conf
host.conf
hostname
hosts
ifplugd
init.d
inputrc
iproute2
issue
issue.net
kernel
ld.so.cache
libnl-3
locale.alias
locale.gen
localtime
logcheck
login.defs
logrotate.conf
logrotate.d
lsb-release
lynx
machine-id
magic
magic.mime
mailcap
mailcap.order
mapnpath.config
mime.types
mke2fs.conf
modprobe.d
modules
modules-load.d
mtab
nanorc
netconfig
netplan
network
networkd-dispatcher
networks
newt
pam.d
passwd
passwd-
perl
pm
polkit-1
ppp
profile
profile.d
protocols
python3
python3.10
rc0.d
rc1.d
rc2.d
rc3.d
rc4.d
rc5.d
rc6.d
rcS.d
resolv.conf
rmt
rpc
rsyslog.conf
rsyslog.d
screenrc
security
selinux
sensors.d
wpa_supplicant
skel
ssh
ssl
subgid
subgid-
subuid
subuid-
sudo.conf
sudo_logsrvd.conf
sudoers
sudoers.d
sysctl.conf
sysctl.d
systemd
terminfo
timezone
tmpfiles.d
ubuntu-advantage
ufc.conf
udev
ufw
update-manager
update-motd.d
usb_modeswitch.conf
usb_modeswitch.d
vim
vtrgb
wgetrc
wpa_supplicant
```

8. Tampilkan semua file secara lengkap pada direktori /etc.

```
3123600001 : ls -l /etc/
total 796
drwxr-xr-x 4 root root 4096 Feb 22 09:28 ModemManager
drwxr-xr-x 7 root root 4096 Feb 22 09:28 NetworkManager
drwxr-xr-x 2 root root 4096 Nov 23 04:37 PackageKit
drwxr-xr-x 8 root root 3028 Nov 23 04:36 adduser.conf
drwxr-xr-x 2 root root 4096 Feb 22 09:21 X11
drwxr-xr-x 1 root root 4096 Nov 23 04:37 alternatives
drwxr-xr-x 3 root root 4096 Nov 23 04:37 apparmor
drwxr-xr-x 8 root root 4096 Nov 23 04:37 apparmor.d
drwxr-xr-x 3 root root 4096 Nov 23 04:37 apport
drwxr-xr-x 8 root root 4096 Feb 22 09:17 apt
drwxr--r-- 1 root root 2319 Jan 6 2022 bash.bashrc
drwxr-xr-x 2 root root 45 Nov 11 2021 bash_completion
drwxr-xr-x 2 root root 4096 Nov 23 04:37 bash_completion.d
drwxr-xr-x 2 root root 367 Dec 16 2020 bindresvport.blacklist
drwxr-xr-x 2 root root 4096 Apr 8 2022 binfmt.d
drwxr-xr-x 2 root root 4096 Nov 23 04:37 byobu
drwxr-xr-x 3 root root 6253 Nov 23 04:36 ca-certificates
drwxr-xr-x 1 root root 5529 Nov 23 04:36 ca-certificates.conf.dpkg-old
drwxr-s--- 2 root dip 4096 Feb 22 09:28 chatscripts
drwxr-xr-x 2 root root 4096 Nov 23 04:36 console-setup
drwxr-xr-x 2 root root 4096 Nov 23 04:36 cron.d
drwxr-xr-x 2 root root 4096 Nov 23 04:37 cron.daily
drwxr-xr-x 2 root root 4096 Nov 23 04:36 cron.hourly
drwxr-xr-x 2 root root 4096 Nov 23 04:36 cron.monthly
drwxr-xr-x 2 root root 4096 Nov 23 04:37 cron.weekly
drwxr-xr-x 1 root root 1136 Mar 23 2022 crontab
drwxr-xr-x 4 root root 4096 Nov 23 04:36 dbus-1
```

9. Buatlah direktori prak1 pada direktori aktif, kemudian copy-kan file /etc/group ke file tes1, tes2, dan tes3 pada direktori ini.

ketikkan “

`mkdir prak1`

`cp /etc/group prak1/tes1`

`cp /etc/group prak1/tes2`

```
cp /etc/group prak1/tes3”
```

10. Tampilkan isi file tes1 per satu layar penuh.



```
root:x:0:  
daemon:x:1:  
bin:x:2:  
sys:x:3:  
adm:x:4:syslog,mrrizzz  
tty:x:5:  
disk:x:6:  
lp:x:7:  
mail:x:8:  
news:x:9:  
uucp:x:10:  
man:x:12:  
proxy:x:13:  
kmem:x:15:  
dialout:x:20:mrrizzz  
fax:x:21:  
voice:x:22:  
cdrom:x:24:mrrizzz  
floppy:x:25:mrrizzz  
tape:x:26:  
sudo:x:27:mrrizzz  
audio:x:29:mrrizzz  
dip:x:30:mrrizzz  
www-data:x:33:  
backup:x:34:  
operator:x:37:  
list:x:38:  
irc:x:39:  
src:x:40:  
prak1/tes1
```

11. Pindahkan file tes1 dan tes2 ke home direktori.

ketikkan command-command berikut :

```
mv prak1/tes1 ~/tes1
```

```
mv prak1/tes2 ~/tes2
```

12. Hapus file tes1 dan tes dengan konfirmasi

ketikkan command berikut :

```
mv prak1/tes1 ~/tes1
```

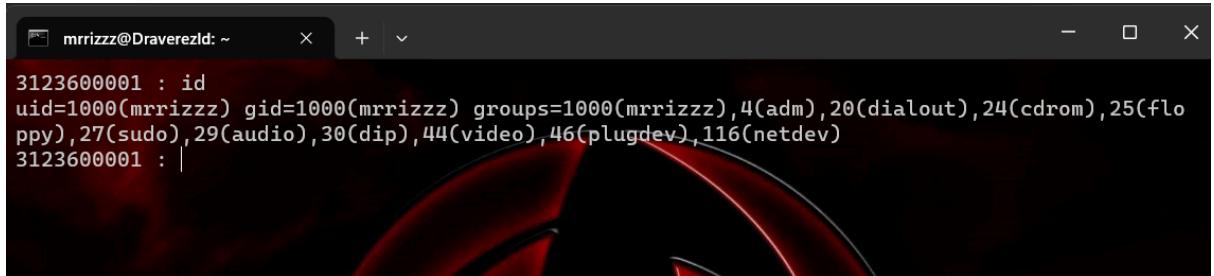
```
mv prak1/tes2 ~/tes2
```

LAPORAN RESMI :

1. Analisa latihan yang telah dilakukan !

Percobaan 1 :

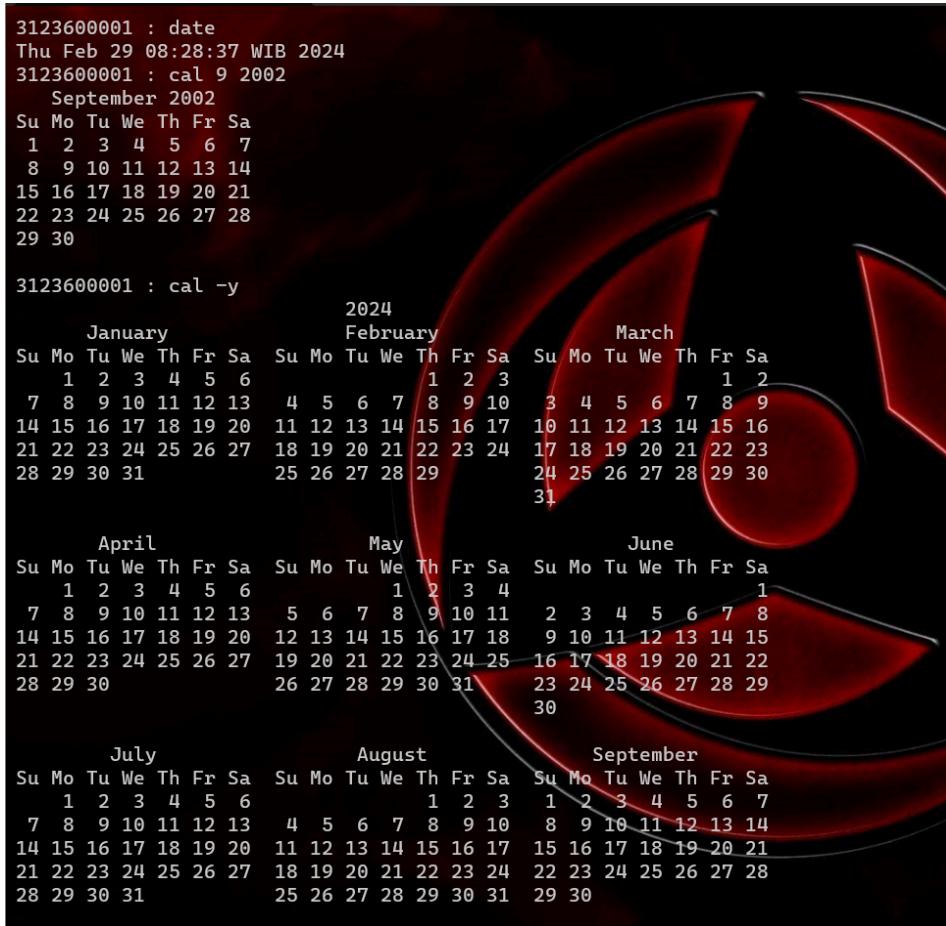
Melihat identitas diri (nomor id dan group id)



```
mrrizzz@DraverezId: ~
3123600001 : id
uid=1000(mrrizzz) gid=1000(mrrizzz) groups=1000(mrrizzz),4(adm),20(dialout),24(cdrom),25(flo
ppy),27(sudo),29(audio),30(dip),44(video),46(plugdev),116(netdev)
3123600001 : |
```

Percobaan 2 :

Melihat tanggal dan kalender dari sistem



```
3123600001 : date
Thu Feb 29 08:28:37 WIB 2024
3123600001 : cal 9 2002
September 2002
Su Mo Tu We Th Fr 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

3123600001 : cal -y
2024
January          February          March
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6   1  2  3  4  5  6   1  2  3  4  5  6  7  8
 7  8  9 10 11 12 13   4  5  6  7  8  9 10   3  4  5  6  7  8  9
14 15 16 17 18 19 20   11 12 13 14 15 16 17   10 11 12 13 14 15 16
21 22 23 24 25 26 27   18 19 20 21 22 23 24   17 18 19 20 21 22 23
28 29 30 31           25 26 27 28 29           24 25 26 27 28 29 30
                           31

April            May              June
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6   1  2  3  4  5  6   1  2  3  4  5  6  7  8
 7  8  9 10 11 12 13   5  6  7  8  9 10 11   2  3  4  5  6  7  8
14 15 16 17 18 19 20   12 13 14 15 16 17 18   9 10 11 12 13 14 15
21 22 23 24 25 26 27   19 20 21 22 23 24 25   16 17 18 19 20 21 22
28 29 30               26 27 28 29 30 31   23 24 25 26 27 28 29
                           30

July             August            September
Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa
 1  2  3  4  5  6   1  2  3  4  5  6   1  2  3  4  5  6  7
 7  8  9 10 11 12 13   4  5  6  7  8  9 10   8  9 10 11 12 13 14
14 15 16 17 18 19 20   11 12 13 14 15 16 17   15 16 17 18 19 20 21
21 22 23 24 25 26 27   18 19 20 21 22 23 24   22 23 24 25 26 27 28
28 29 30               25 26 27 28 29 30 31   29 30
```

Percobaan 3 :

Melihat identitas mesin

```
mrrizzz@DraverezId: ~ + v
3123600001 : hostname
DraverezId
3123600001 : uname
Linux
3123600001 : uname -a
Linux DraverezId 5.15.133.1-microsoft-standard-WSL2 #1 SMP Thu Oct 5 21:02:42 UTC 2023 x86_64 x86_64 x86_64 GNU/Linux
3123600001 : |
```

Percobaan 4 :

Melihat siapa yang aktif

```
mrrizzz@DraverezId: ~ + v
3123600001 : w
08:29:55 up 8 min, 1 user, load average: 0.00, 0.00, 0.00
USER      TTY      FROM          LOGIN@    IDLE      JCPU      PCPU WHAT
mrrizzz   pts/1      -          08:21     8:31    0.01s  0.01s -bash
3123600001 : who
mrrizzz   pts/1      2024-02-29 08:21
3123600001 : whoami
mrrizzz
3123600001 : |
```

```
mrrizzz@DraverezId: ~ + v
3123600001 : chfn mrrizzz
Password:
Changing the user information for mrrizzz
Enter the new value, or press ENTER for the default
Full Name:
Room Number []: 2301
Work Phone []: 8715
Home Phone []: 082245168715
```

```
mrrizzz@DraverezId: ~ + v
3123600001 : finger
Login      Name      Tty      Idle  Login Time  Office      Office Phone
mrrizzz           *pts/1      13  Feb 29 08:21  2301      x8715
3123600001 : finger mrrizzz
Login: mrrizzz
Directory: /home/mrrizzz
Office: 2301, x8715
On since Thu Feb 29 08:21 (WIB) on pts/1  13 minutes 51 seconds idle
(messages off)
No mail.
No Plan.
```

Percobaan 5 :

Mengetahui manual / petunjuk penggunaan suatu command line

```
mrrizz@Draverezid: ~ x + v
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
    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]
Manual page ls(1) line 1 (press h for help or q to quit)
```

```
mrrizz@Draverezid: ~ x + v
MAN(1) Manual pager utils MAN(1)

NAME
man - an interface to the system reference manuals

SYNOPSIS
man [man options] [[section] page ...] ...
man -k [apropos options] regexp ...
man -K [man options] [section] term ...
man -f [whatis options] page ...
man -l [man options] file ...
man -w|-W [man options] page ...

DESCRIPTION
man is the system's manual pager. Each page argument given to man is normally the name of a program, utility or
function. The manual page associated with each of these arguments is then found and displayed. A section, if pro-
vided, will direct man to look only in that section of the manual. The default action is to search in all of the
available sections following a pre-defined order (see DEFAULTS), and to show only the first page found, even if page
exists in several sections.

The table below shows the section numbers of the manual followed by the types of pages they contain.

1 Executable programs or shell commands
2 System calls (functions provided by the kernel)
3 Library calls (functions within program libraries)
4 Special files (usually found in /dev)
5 File formats and conventions, e.g. /etc/passwd
6 Games
7 Miscellaneous (including macro packages and conventions), e.g. man(7), groff(7), man-pages(7)
8 System administration commands (usually only for root)
9 Kernel routines [Non standard]

A manual page consists of several sections.

Conventional section names include NAME, SYNOPSIS, CONFIGURATION, DESCRIPTION, OPTIONS, EXIT STATUS, RETURN VALUE,
ERRORS, ENVIRONMENT, FILES, VERSIONS, CONFORMING TO, NOTES, BUGS, EXAMPLE, AUTHORS, and SEE ALSO.

The following conventions apply to the SYNOPSIS section and can be used as a guide in other sections.
Manual page man(1) line 1 (press h for help or q to quit)
```

```
mrrizz@Draverezld: ~ x + v
3123600001 : man ls
3123600001 : man man
3123600001 : man -k files
aa-remove UNKNOWN (8) - remove unknown AppArmor profiles
aa-teardown (8) - unload all AppArmor profiles
addmntent (3) - get filesystem descriptor file entry
Algorithm::Diff (3pm) - Compute 'intelligent' differences between two files / lists
Algorithm::DiffOld (3pm) - Compute 'intelligent' differences between two files / lists but use the old (<=0.59) interface.
apparmor.d (5) - syntax of security profiles for AppArmor.
apparmor.vim (5) - vim syntax highlighting file for AppArmor profiles
apparmor_parser (8) - loads AppArmor profiles into the kernel
apport-unpack (1) - extract the fields of a problem report to separate files
apt-ftparchive (1) - Utility to generate index files
apt-sortpkgs (1) - Utility to sort package index files
bzcat (1) - decompresses files to stdout
bzcmp (1) - compare bzip2 compressed files
bzdiff (1) - compare bzip2 compressed files
bzgrep (1) - search possibly bzip2 compressed files for a regular expression
bzexe (1) - compress executable files in place
bzfgrep (1) - search possibly bzip2 compressed files for a regular expression
bzgrep (1) - search possibly bzip2 compressed files for a regular expression
bzzip2recover (1) - recovers data from damaged bzip2 files
c_rehash (1ssl) - Create symbolic links to files named by the hash values
cat (1) - concatenate files and print on the standard output
cmp (1) - compare two files byte by byte
comm (1) - compare two sorted files line by line
config (5ssl) - OpenSSL CONF library configuration files
cp (1) - copy files and directories
cpio (1) - copy files to and from archives
crontab (1) - maintain crontab files for individual users (Vixie Cron)
cut (1) - remove sections from each line of files
deb-conffiles (5) - package conffiles
deb-origin (5) - Vendor-specific information files
deb-src-files (5) - Debian distribute files format
depmod (8) - Generate modules.dep and map files.
diff (1) - compare files line by line
diff3 (1) - compare three files line by line
dnssec-trust-anchors.d (5) - DNSSEC trust anchor configuration files
dosfsck (8) - check and repair MS-DOS FAT filesystems
```

```
mrrizz@Draverezld: ~ x + v
PASSWD(5)                               File Formats and Conversions                               PASSWD(5)

NAME
    passwd - the password file

DESCRIPTION
    /etc/passwd contains one line for each user account, with seven fields delimited by colons (:). These fields are:
    • login name
    • optional encrypted password
    • numerical user ID
    • numerical group ID
    • user name or comment field
    • user home directory
    • optional user command interpreter

    If the password field is a lower-case "x", then the encrypted password is actually stored in the shadow(5) file instead; there must be a corresponding line in the /etc/shadow file, or else the user account is invalid.

    The encrypted password field may be empty, in which case no password is required to authenticate as the specified login name. However, some applications which read the /etc/passwd file may decide not to permit any access at all if the password field is blank.

    A password field which starts with an exclamation mark means that the password is locked. The remaining characters on the line represent the password field before the password was locked.

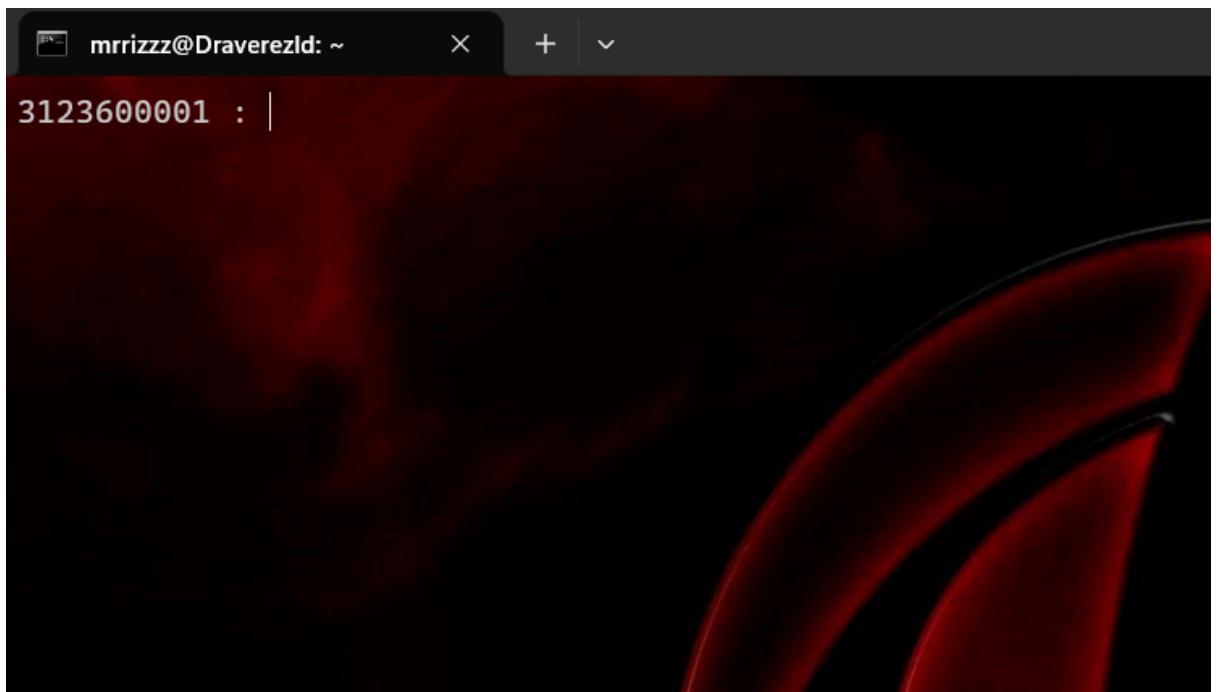
    Refer to crypt(3) for details on how this string is interpreted.

    If the password field contains some string that is not a valid result of crypt(3), for instance ! or *, the user will not be able to use a unix password to log in (but the user may log in the system by other means).

    The comment field is used by various system utilities such as finger(1).
    Manual page passwd(5) line 1 (press h for help or q to Search)
```

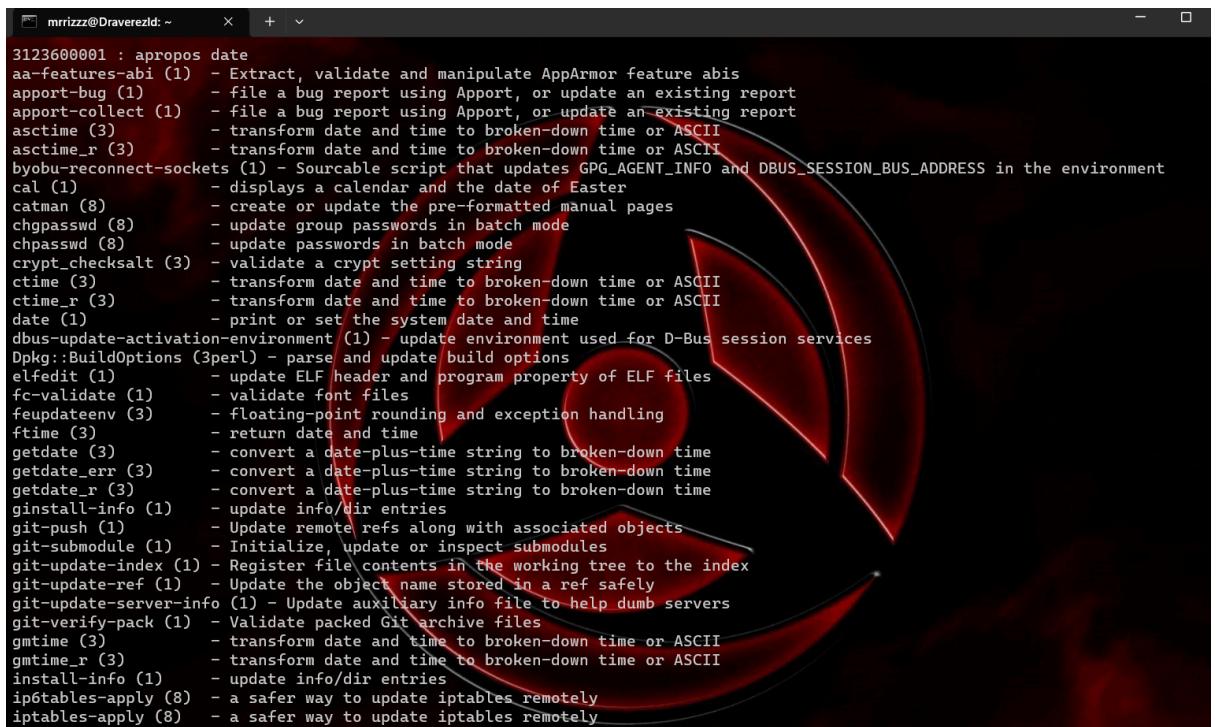
Percobaan 6 :

Menghapus layar dengan command ‘clear’



Percobaan 7 :

Mencari perintah yang deskripsinya mengandung kata kunci yang dicari



```
3123600001 : apropos mail
mailcap.order (5)      - the mailcap ordering specifications
compose (1)           - execute programs via entries in the mailcap file
edit (1)              - execute programs via entries in the mailcap file
git-am (1)             - Apply a series of patches from a mailbox
git-check-mailmap (1) - Show canonical names and email addresses of contacts
git-format-patch (1)  - Prepare patches for e-mail submission
git-mailinfo (1)       - Extracts patch and authorship from a single e-mail message
git-mailsplit (1)     - Simple UNIX mbox splitter program
gitmailmap (5)         - Map author/committer names and/or E-Mail addresses
gpgparsemail (1)       - Parse a mail message into an annotated format
logrotate (8)          - rotates, compresses, and mails system logs
logrotate.conf (5)     - rotates, compresses, and mails system logs
mailaddr (7)           - mail addressing description
mailcap (5)             - metamail capabilities file
open (1)               - execute programs via entries in the mailcap file
pam_mail (8)            - Inform about available mail
print (1)               - execute programs via entries in the mailcap file
run-mailcap (1)         - execute programs via entries in the mailcap file
see (1)                - execute programs via entries in the mailcap file
```

```
3123600001 : apropos telnet
telnet (1)             - user interface to the TELNET protocol
telnet.netkit (1)       - user interface to the TELNET protocol
3123600001 : |
```

Percobaan 8 :

Mencari perintah yang tepat sama dengan kata kunci yang dicari

```
3123600001 : whatis date
date (1)                 - print or set the system date and time
3123600001 : |
```

Percobaan 9 :

Manipulasi berkas (file) dan direktori

```
3123600001 : ls -l
total 12
drwxr-xr-x 4 mrrizzz mrrizzz 4096 Feb 22 09:51 KULIAH2
-rw-r--r-- 1 mrrizzz mrrizzz 3401 Feb 22 09:48 ssh
-rw-r--r-- 1 mrrizzz mrrizzz 753 Feb 22 09:48 ssh.pub
3123600001 : ls -a
. .bash_history .bashrc .gitconfig .links2 .profile .sudo_as_admin_successful KULIAH2 ssh.pub
.. .bash_logout .cache .lessht .motd_shown .ssh .vscode-server ssh
3123600001 : ls -f
.bashrc .motd_shown KULIAH2 ssh.pub .gitconfig .cache .bash_logout .profile
.links2 .vscode-server .sudo_as_admin_successful .. ssh .bash_history .ssh .lessht
3123600001 : ls /usr
bin games include lib lib32 lib64 libexec libx32 local sbin share src
3123600001 : ls /
bin dev home lib lib64 lost+found mnt proc run snap sys usr
boot etc init lib32 libx32 media opt root sbin srv tmp var
3123600001 : |
```

```

3123600001 : ls -f /etc
mtab          update-motd.d      adduser.conf
sysctl.conf   ..                gai.conf
kernel        networkd-dispatcher rc6.d
group         ld.so.cache       vim
dpkg          sensors3.conf     timezone
chatscripts   network          sensors.d
binfmt.d      apport           ca-certificates.conf.dpkg-old
fonts         tmpfiles.d       depmod.d
manpath.config groff            legal
pam.d         logcheck          mailcap
cron.daily    logrotate.d      e2scrub.conf
ld.so.conf    wgetrc           fuse.conf
subgid-       mke2fs.conf      cron.d
rcS.d         magic.mime       usb_modeswitch.conf
subuid-       ppp               rc3.d
polkit-1      ssh               issue.net
.pwd.lock    iproute2          localtime
bindresport.blacklist  ca-certificates.alternatives
sysctl.d      alternatives      init.d
host.conf    X11               lynx
wpa_supplicant skel              libaudit.conf
pm            debconf.conf     cron.hourly
nsswitch.conf wsl.conf          pam.conf
lsb-release   cron.weekly      ifplugged
dhcp          bash.bashrc      apt
NetworkManager ethertypes       selinux
shells        machine-id       rc0.d
console-setup gshadow           services
locale.gen    rc4.d             ubuntu Advantage
opt           hdparm.conf      netplan
logrotate.conf nftables.conf   rsyslog.d
sudoers       magic             apparmor
bash_completion.d systemd          networks
byobu          modules-load.d  security
3123600001 :

```

```

3123600001 : ls -l /etc
total 796
drwxr-xr-x 4 root root 4096 Feb 22 09:28 ModemManager
drwxr-xr-x 7 root root 4096 Feb 22 09:28 NetworkManager
drwxr-xr-x 2 root root 4096 Nov 23 04:37 PackageKit
drwxr-xr-x 8 root root 4096 Feb 22 09:21 X11
-rw-r--r-- 1 root root 3028 Nov 23 04:36 adduser.conf
drwxr-xr-x 2 root root 4096 Feb 22 09:21 alternatives
drwxr-xr-x 3 root root 4096 Nov 23 04:37 apparmor
drwxr-xr-x 8 root root 4096 Nov 23 04:37 apparmor.d
drwxr-xr-x 3 root root 4096 Nov 23 04:37 apport
drwxr-xr-x 8 root root 4096 Feb 22 09:17 apt
-rw-r--r-- 1 root root 2319 Jan 6 2022 bash.bashrc
-rw-r--r-- 1 root root 45 Nov 11 2021 bash_completion
drwxr-xr-x 2 root root 4096 Nov 23 04:37 bash_completion.d
-rw-r--r-- 1 root root 367 Dec 16 2020 bindresport.blacklist
drwxr-xr-x 2 root root 4096 Apr 8 2022 binfmt.d
drwxr-xr-x 2 root root 4096 Nov 23 04:37 byobu
drwxr-xr-x 3 root root 4096 Nov 23 04:36 ca-certificates
-rw-r--r-- 1 root root 6253 Nov 23 04:36 ca-certificates.conf
-rw-r--r-- 1 root root 5529 Nov 23 04:36 ca-certificates.conf.dpkg-old
drwxr-s--- 2 root dip 4096 Feb 22 09:28 chatscripts
drwxr-xr-x 2 root root 4096 Nov 23 04:36 console-setup
drwxr-xr-x 2 root root 4096 Nov 23 04:36 cron.d
drwxr-xr-x 2 root root 4096 Nov 23 04:37 cron.daily
drwxr-xr-x 2 root root 4096 Nov 23 04:36 cron.hourly
drwxr-xr-x 2 root root 4096 Nov 23 04:36 cron.monthly
drwxr-xr-x 2 root root 4096 Nov 23 04:37 cron.weekly
-rw-r--r-- 1 root root 1136 Mar 23 2022 crontab
drwxr-xr-x 4 root root 4096 Nov 23 04:36 dbus-1
-rw-r--r-- 1 root root 2969 Feb 20 2022 debconf.conf
-rw-r--r-- 1 root root 13 Aug 23 2021 debian_version
drwxr-xr-x 2 root root 4096 Feb 22 09:15 default
-rw-r--r-- 1 root root 604 Sep 16 2018 deluser.conf
drwxr-xr-x 2 root root 4096 Nov 23 04:36 depmod.d
drwxr-xr-x 4 root root 4096 Nov 23 04:36 dhcp
drwxr-xr-x 4 root root 4096 Feb 22 09:16 dpkg
-rw-r--r-- 1 root root 685 Jan 9 2022 e2scrub.conf
-rw-r--r-- 1 root root 106 Nov 23 04:36 environment

```

```

/usr/share/zoneinfo/right/Indian:
Antananarivo Chagos Christmas Cocos Comoro Kerguelen Mahe Maldives Mauritius Mayotte Reunion

/usr/share/zoneinfo/right/Mexico:
BajaNorte BajaSur General

/usr/share/zoneinfo/right/Pacific:
Apia Chuuk Fakaofo Gambier Johnston Kwajalein Nauru Pago_Pago Ponape Samoa Truk
Auckland Easter Fiji Guadalcanal Kanton Majuro Niue Palau Pitcairn Port_Moresby Tahiti Wake
Bougainville Efate Funafuti Guam Kiribati Marquesas Norfolk Noumea Pohnpei Rarotonga Tarawa Wallis
Chatham Enderbury Galapagos Honolulu Kosrae Midway Noumea Saipan Tongatapu Yap

/usr/share/zoneinfo/right/US:
Alaska Aleutian Arizona Central East-Indiana Eastern Hawaii Indiana-Starke Michigan Mountain Pacific Samoa

/usr/share/zoneinfo-icu:
44

/usr/share/zoneinfo-icu/44:
be le

/usr/share/zoneinfo-icu/44/be:
metaZones.res timezoneTypes.res windowsZones.res zoneinfo64.res

/usr/share/zoneinfo-icu/44/le:
metaZones.res timezoneTypes.res windowsZones.res zoneinfo64.res

/usr/share/zsh:
vendor-completions

/usr/share/zsh/vendor-completions:
_bootctl _journalctl _resolvectl _systemctl _systemd _systemd-path
_busctl _kernel-install _sd_hosts_or_user_at_host _systemd _systemd-run
_curl _localectl _sd_outputmodes _systemd-analyze _systemd-tmpfiles
_dpkg-parsechangelog _logind _sd_unit_files _systemd-delta _timedatectl
_hostnamectl _networkctl _snap _systemd-inhibit _udevadm

/usr/src:

```

Percobaan 10 :

Melihat tipe file

```

3123600001 : file
Usage: file [-bcCdEhikLLNnprsSvzZ0] [--apple] [--extension] [--mime-encoding]
           [--mime-type] [-e <testname>] [-F <separator>] [-f <namefile>]
           [-m <magicfiles>] [-P <parameter=value>] [--exclude-quiet]
           <file> ...
       file -C [-m <magicfiles>]
       file [-help]
3123600001 : file *
KULIAH2: directory
ssh:  OpenSSH private key
ssh.pub: OpenSSH RSA public key
3123600001 : file /bin/ls
/bin/ls: ELF 64-bit LSB pie executable, x86-64, version 1 (SYSV), dynamically linked, interpreter /lib64/ld-linux-x86-64.so.2, B
uildID[sha1]=72d47f2d3bc3ebffffe97c623f4587d32cad0a9c, for GNU/Linux 3.2.0, stripped
3123600001 : |

```

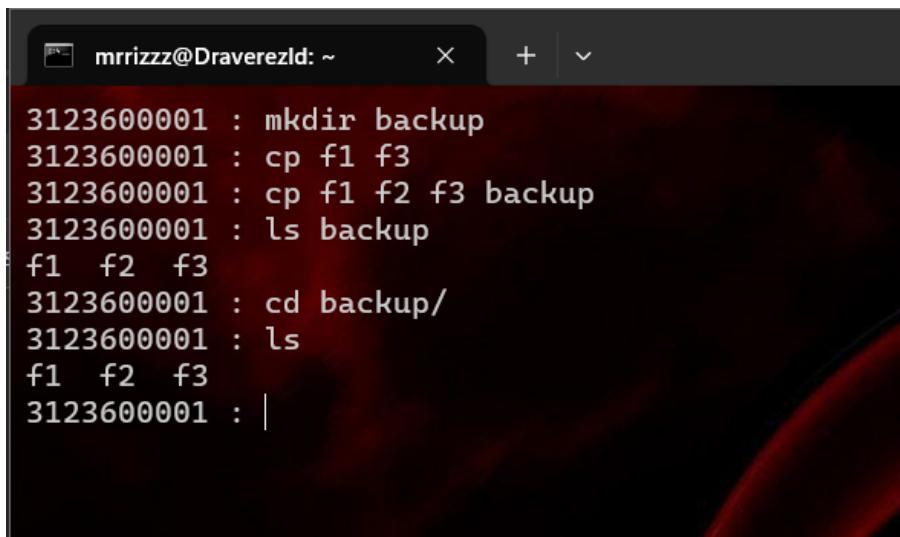
Percobaan 11 :

Menyalin file

```

mrrizzz@DraverezId: ~      x + v
3123600001 : cp /etc/group f1
3123600001 : ls -l
total 24
drwxr-xr-x 4 mrrizzz mrrizzz 4096 Feb 22 09:51 KULIAH2
-rw-r--r-- 1 mrrizzz mrrizzz 795 Feb 29 09:01 f1
-rw-r--r-- 1 mrrizzz mrrizzz 795 Feb 29 09:00 f2
-rw-r--r-- 1 mrrizzz mrrizzz 795 Feb 29 08:59 f1
-rw-r----- 1 mrrizzz mrrizzz 3401 Feb 22 09:48 ssh
-rw-r--r-- 1 mrrizzz mrrizzz 753 Feb 22 09:48 ssh.pub
3123600001 : cp -i f1 f2
cp: overwrite 'f2'?
3123600001 : |

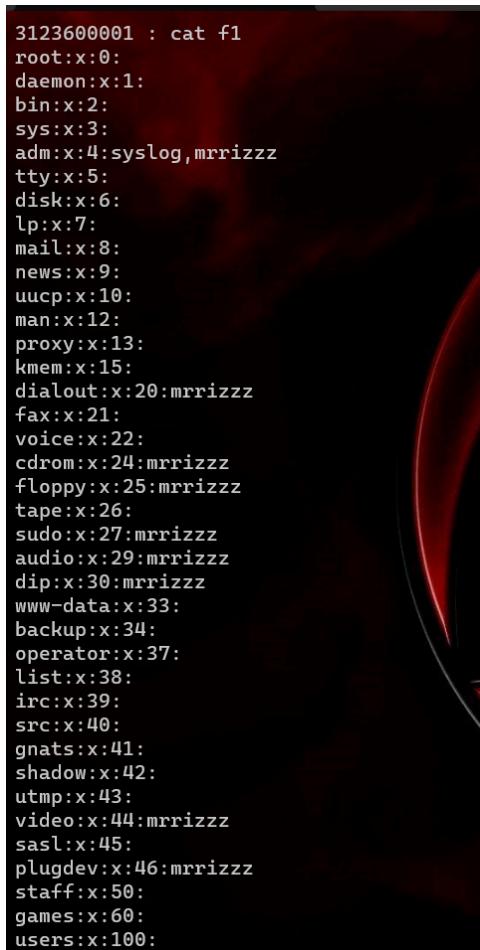
```



```
mrrizzz@DraverezId: ~      + | v
3123600001 : mkdir backup
3123600001 : cp f1 f3
3123600001 : cp f1 f2 f3 backup
3123600001 : ls backup
f1 f2 f3
3123600001 : cd backup/
3123600001 : ls
f1 f2 f3
3123600001 : |
```

Percobaan 12 :

Melihat isi file



```
3123600001 : cat f1
root:x:0:
daemon:x:1:
bin:x:2:
sys:x:3:
adm:x:4:syslog,mrrizzz
tty:x:5:
disk:x:6:
lp:x:7:
mail:x:8:
news:x:9:
uucp:x:10:
man:x:12:
proxy:x:13:
kmem:x:15:
dialout:x:20:mrrizzz
fax:x:21:
voice:x:22:
cdrom:x:24:mrrizzz
floppy:x:25:mrrizzz
tape:x:26:
sudo:x:27:mrrizzz
audio:x:29:mrrizzz
dip:x:30:mrrizzz
www-data:x:33:
backup:x:34:
operator:x:37:
list:x:38:
irc:x:39:
src:x:40:
gnats:x:41:
shadow:x:42:
utmp:x:43:
video:x:44:mrrizzz
sasl:x:45:
plugdev:x:46:mrrizzz
staff:x:50:
games:x:60:
users:x:100:
```

```
mrrizzz@DraverezId: ~      + | ^  
root:x:0:  
daemon:x:1:  
bin:x:2:  
sys:x:3:  
adm:x:4:syslog,mrrizzz  
tty:x:5:  
disk:x:6:  
lp:x:7:  
mail:x:8:  
news:x:9:  
uucp:x:10:  
man:x:12:  
proxy:x:13:  
kmem:x:15:  
dialout:x:20:mrrizzz  
fax:x:21:  
voice:x:22:  
cdrom:x:24:mrrizzz  
floppy:x:25:mrrizzz  
tape:x:26:  
sudo:x:27:mrrizzz  
audio:x:29:mrrizzz  
dip:x:30:mrrizzz  
www-data:x:33:  
backup:x:34:  
operator:x:37:  
list:x:38:  
irc:x:39:  
src:x:40:  
gnats:x:41:  
shadow:x:42:  
utmp:x:43:  
video:x:44:mrrizzz  
sasl:x:45:  
plugdev:x:46:mrrizzz  
staff:x:50:  
games:x:60:  
users:x:100:  
--More--(62%)
```

```
3123600001 : pg f1  
pg: command not found  
3123600001 : pg f1  
pg: command not found  
3123600001 : |
```

Percobaan 13 :

Mengubah nama file

```
| 3123600001 : mv f1 prog.text  
| 3123600001 : ls  
|   f2  f3  prog.text  
| 3123600001 : |
```

```
| 3123600001 : mkdir mydir  
| 3123600001 : mv f1 f2 f3 mdir  
| mv: target 'mdir' is not a directory  
| 3123600001 : mv f1 f2 f3 mydir  
| mv: cannot stat 'f1': No such file or directory  
| 3123600001 : |
```

Percobaan 14 :

Menghapus file

```
| 3123600001 : rm f1  
| rm: cannot remove 'f1': No such file or directory  
| 3123600001 : cp mydir/f1 f2  
| cp: cannot stat 'mydir/f1': No such file or directory  
| 3123600001 : cp mydir/f2 f1  
| 3123600001 : cp mydir/f2 f2  
| 3123600001 : rm f1  
| 3123600001 : rm -i f2  
| rm: remove regular file 'f2'?  
| 3123600001 : |
```

Percobaan 15 :

Mencari kata atau kalimat dalam file

```
| 3123600001 : grep root /etc/passwd  
| root:x:0:0:root:/root:/bin/bash  
| 3123600001 : grep ":0" /etc/passwd  
| root:x:0:0:root:/root:/bin/bash  
| 3123600001 : grep student /etc/passwd  
| 3123600001 : |
```

