

PRAKTIKUM SISTEM OPERASI

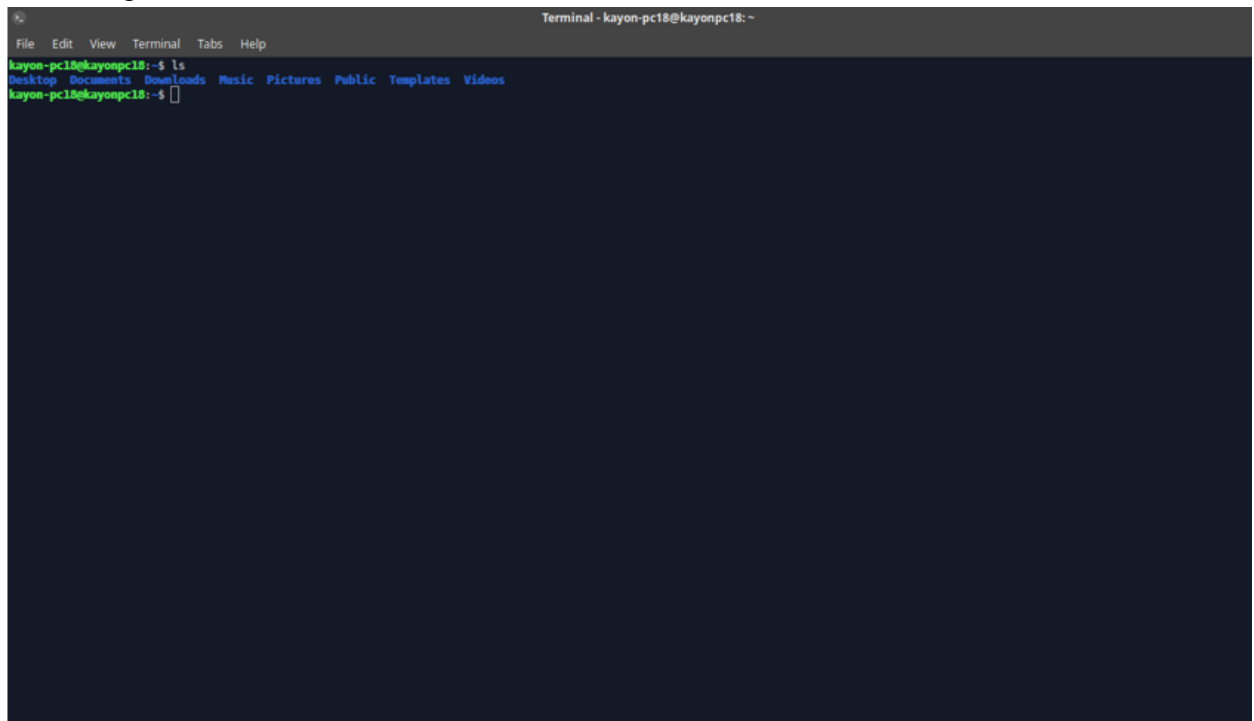
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Kelas : D

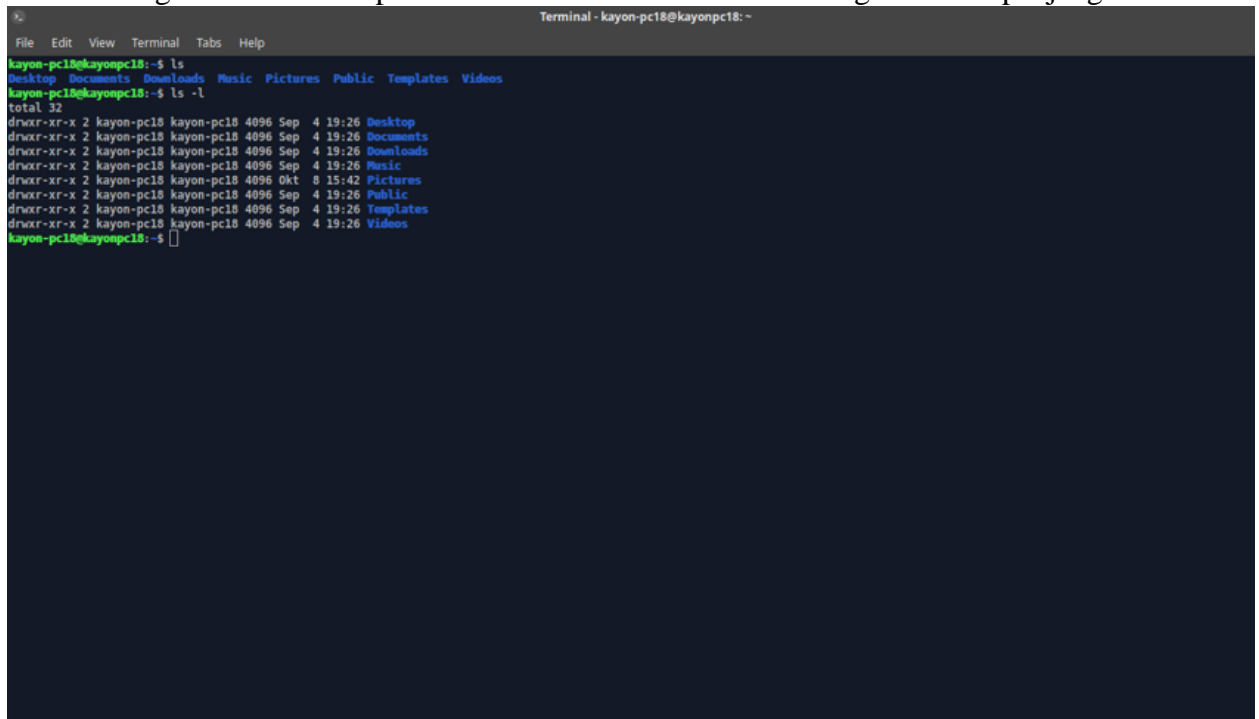
Tugas Modul 5

1. ls berfungsi untuk melihat isi file dari direktori aktif



```
Terminal - kayon-pc18@kayonpc18: ~
File Edit View Terminal Tabs Help
kayon-pc18@kayonpc18:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
kayon-pc18@kayonpc18:~$
```

2. ls -l berfungsi untuk menampilkan semua file dalam direktori dengan format panjang



```
Terminal - kayon-pc18@kayonpc18: ~
File Edit View Terminal Tabs Help
kayon-pc18@kayonpc18:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
kayon-pc18@kayonpc18:~$ ls -l
total 32
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Desktop
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Documents
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Downloads
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Music
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:42 Pictures
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Public
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Templates
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Videos
kayon-pc18@kayonpc18:~$
```

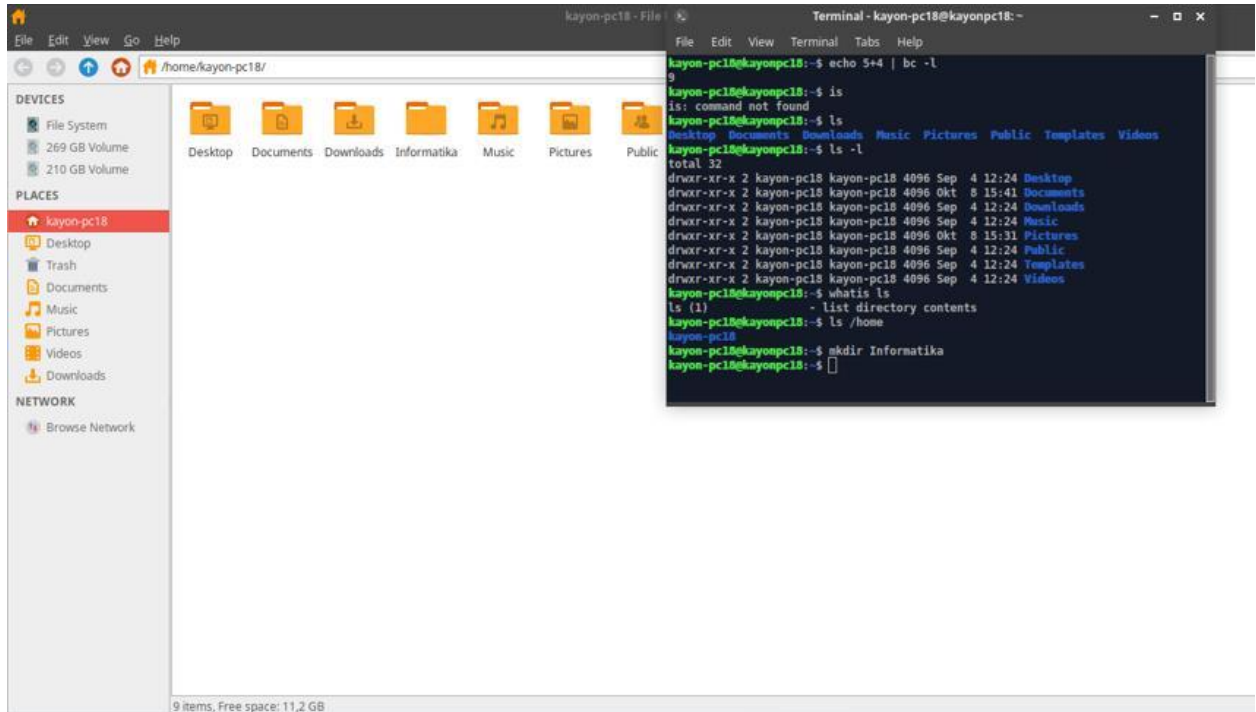
3. whatis ls berfungsi untuk menampilkan apa itu ls

```
Terminal - kayon-pc18@kayonpc18: ~
File Edit View Terminal Tabs Help
kayon-pc18@kayonpc18:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
kayon-pc18@kayonpc18:~$ ls -l
total 32
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Desktop
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Documents
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Downloads
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Music
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:42 Pictures
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Public
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Templates
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 19:26 Videos
kayon-pc18@kayonpc18:~$ whatis ls
ls (1)
kayon-pc18@kayonpc18:~$
```

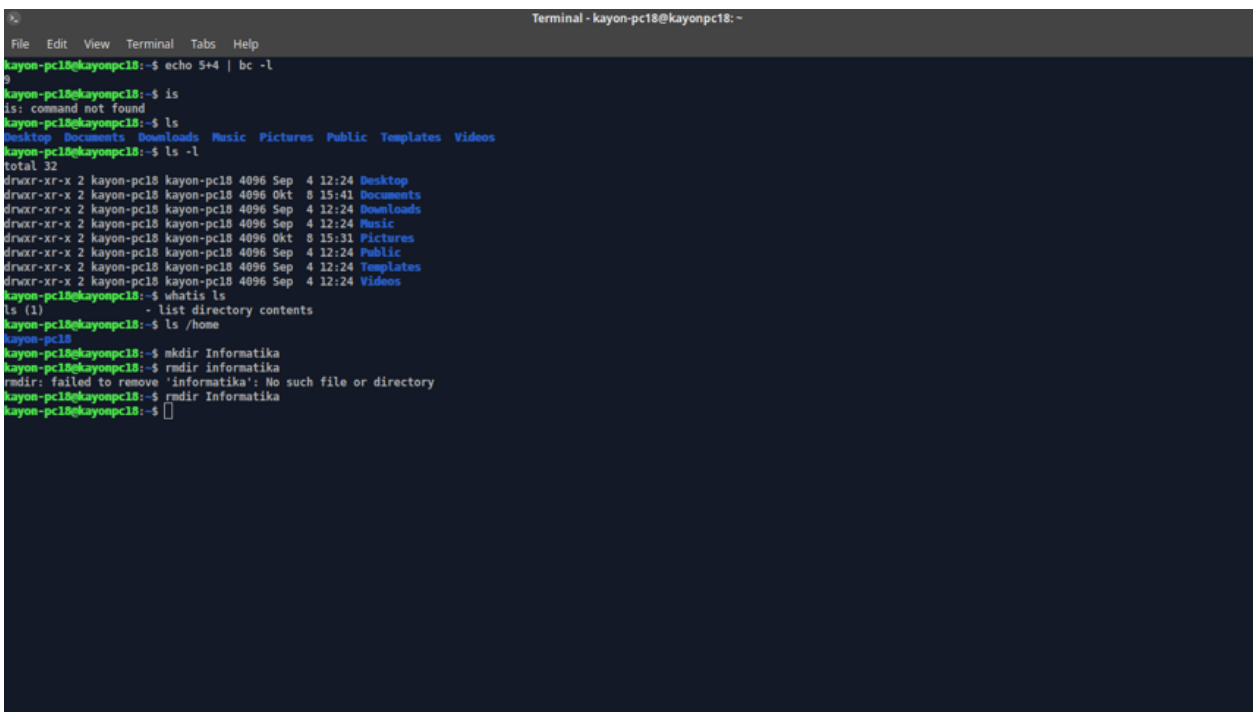
4. ls/home berfungsi untuk menampilkan nama direktori home

```
Terminal - kayon-pc18@kayonpc18: ~
File Edit View Terminal Tabs Help
kayon-pc18@kayonpc18:~$ echo 5+4 | bc -l
9
kayon-pc18@kayonpc18:~$ is
is: command not found
kayon-pc18@kayonpc18:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
kayon-pc18@kayonpc18:~$ ls -l
total 32
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Desktop
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:41 Documents
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Downloads
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Music
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:31 Pictures
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Public
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Templates
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Videos
kayon-pc18@kayonpc18:~$ whatis ls
ls (1)
kayon-pc18@kayonpc18:~$ ls /home
kayon-pc18
kayon-pc18@kayonpc18:~$
```

5. mkdir informatika berfungsi untuk membuat direktori informatika



6. rmdir informatika berfungsi untuk menghapus direktori informatika



7. which mkdir berfungsi untuk menunjukan lokasi suatu perintah

```
Terminal - kayon-pc18@kayonpc18: ~
File Edit View Terminal Tabs Help
kayon-pc18@kayonpc18:~$ echo 5+4 | bc -l
9
kayon-pc18@kayonpc18:~$ is
is: command not found
kayon-pc18@kayonpc18:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
kayon-pc18@kayonpc18:~$ ls -l
total 32
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Desktop
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:41 Documents
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Downloads
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Music
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:31 Pictures
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Public
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Templates
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Videos
kayon-pc18@kayonpc18:~$ whatis ls
ls (1)      - list directory contents
kayon-pc18@kayonpc18:~$ ls /home
kayon-pc18
kayon-pc18@kayonpc18:~$ mkdir Informatika
kayon-pc18@kayonpc18:~$ rmdir Informatika
rmdir: failed to remove 'Informatika': No such file or directory
kayon-pc18@kayonpc18:~$ rmdir Informatika
kayon-pc18@kayonpc18:~$ which mkdir
/bin/mkdir
kayon-pc18@kayonpc18:~$
```

8. whereis mkdir berfungsi untuk melihat lokasi pembuatan direktori

```
Terminal - kayon-pc18@kayonpc18: ~
File Edit View Terminal Tabs Help
kayon-pc18@kayonpc18:~$ echo 5+4 | bc -l
9
kayon-pc18@kayonpc18:~$ is
is: command not found
kayon-pc18@kayonpc18:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
kayon-pc18@kayonpc18:~$ ls -l
total 32
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Desktop
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:41 Documents
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Downloads
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Music
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:31 Pictures
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Public
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Templates
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Videos
kayon-pc18@kayonpc18:~$ whatis ls
ls (1)      - list directory contents
kayon-pc18@kayonpc18:~$ ls /home
kayon-pc18
kayon-pc18@kayonpc18:~$ mkdir Informatika
kayon-pc18@kayonpc18:~$ rmdir Informatika
rmdir: failed to remove 'Informatika': No such file or directory
kayon-pc18@kayonpc18:~$ rmdir Informatika
kayon-pc18@kayonpc18:~$ which mkdir
/bin/mkdir
kayon-pc18@kayonpc18:~$ whereis mkdir
mkdir: /bin/mkdir /usr/share/man/man1/mkdir.1.gz /usr/share/man/man2/mkdir.2.gz
kayon-pc18@kayonpc18:~$
```

9. free berfungsi untuk melihat kapasitas free memori

```
Terminal - kayon-pc18@kayonpc18: ~
File Edit View Terminal Tabs Help
kayon-pc18@kayonpc18:~$ echo 5+4 | bc -l
9
kayon-pc18@kayonpc18:~$ is
is: command not found
kayon-pc18@kayonpc18:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
kayon-pc18@kayonpc18:~$ ls -l
total 32
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Desktop
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:41 Documents
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Downloads
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Music
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Okt  8 15:31 Pictures
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Public
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Templates
drwxr-xr-x 2 kayon-pc18 kayon-pc18 4096 Sep  4 12:24 Videos
kayon-pc18@kayonpc18:~$ whatis ls
ls (1)                - list directory contents
kayon-pc18@kayonpc18:~$ ls /home
kayon-pc18
kayon-pc18@kayonpc18:~$ mkdir Informatika
kayon-pc18@kayonpc18:~$ rmdir informatika
rmdir: failed to remove 'informatika': No such file or directory
kayon-pc18@kayonpc18:~$ rmdir Informatika
kayon-pc18@kayonpc18:~$ which mkdir
/bin/mkdir
kayon-pc18@kayonpc18:~$ whereis mkdir
mkdir: /bin/mkdir /usr/share/man/man1/mkdir.1.gz /usr/share/man/man2/mkdir.2.gz
kayon-pc18@kayonpc18:~$ free
              total        used        free      shared  buff/cache   available
Mem:      8106424      945820      5915648        60564      1244956      6849192
Swap:      947028            0       947028
```

10. pstree berfungsi untuk menyatakan system ditampilkan dalam bentuk hirarki parentchild

```
Terminal - kayon-pc18@kayonpc18: ~
File Edit View Terminal Tabs Help
kayon-pc18@kayonpc18:~$ free
              total        used        free      shared  buff/cache   available
Mem:      8106424      945820      5915648        60564      1244956      6849192
Swap:      947028            0       947028
kayon-pc18@kayonpc18:~$ pstree
systemd--2*[{systemd}]
├── NetworkManager--2*[{NetworkManager}]
├── Thunar--2*[{Thunar}]
├── accounts-daemon--2*[{accounts-daemon}]
├── acpid
├── avahi-daemon--avahi-daemon
├── cron
├── cups-browsed--2*[{cups-browsed}]
├── cupsd
├── dbus-daemon
├── gnome-keyring-d--3*[{gnome-keyring-d}]
├── irqbalance--irqbalance
├── 2*[{kerneloops}]
├── lightdm--Xorg--Xorg
│   ├── lightdm--sh--ssh-agent
│   │   └── xfce4-session--aplet.py--aplet.py
│   │       ├── blueman-socket--3*[{blueman-socket}]
│   │       ├── light-locker--3*[{light-locker}]
│   │       ├── nm-socket--3*[{nm-socket}]
│   │       ├── polkit-gnome-au--2*[{polkit-gnome-au}]
│   │       ├── update-notifier--3*[{update-notifier}]
│   │       └── 2*[{xfce4-session}]
│   └── 2*[{lightdm}]
├── 2*[{lightdm}]
├── lvm2metad
├── networkd-dispatcher--networkd-dispatcher
├── nvidia-persistenced
├── packagekitd--2*[{packagekitd}]
├── polkitd--2*[{polkitd}]
├── pulseaudio
├── rsyslogd--3*[{rsyslogd}]
├── rtkit-daemon--2*[{rtkit-daemon}]
├── sshd
├── systemd--sd-pam
│   ├── at-spi-bus-launcher--dbus-daemon
│   │   └── 3*[{at-spi-bus-launcher}]
│   ├── at-spi2-registrars--2*[{at-spi2-registrars}]
│   ├── dbus-daemon
│   ├── dconf-service--2*[{dconf-service}]
│   └── gvfsd-fuse--3*[{gvfsd-fuse}]
```

11. touch rpl.txt berfungsi untuk membuat file txt

```
root@kayonpc18:/home/kayon-pc18# touch rpl.txt
root@kayonpc18:/home/kayon-pc18#
```

12. rm rpl.txt berfungsi untuk menghapus file txt

```
root@kayonpc18:/home/kayon-pc18# rm rpl.txt
root@kayonpc18:/home/kayon-pc18#
```

13. df berfungsi untuk melaporkan penggunaan ruang dalam disk

```
root@kayonpc18:/home/kayon-pc18# touch rpl.txt
root@kayonpc18:/home/kayon-pc18# df
Filesystem      1K-blocks    Used Available Use% Mounted on
udev            4012984         0   4012984   0% /dev
tmpfs           810644      1344    809300   1% /run
/dev/sda4       20027216  7959752  11027080  42% /
tmpfs           4053212    27092   4026120   1% /dev/shm
tmpfs           5120         4        5116   1% /run/lock
tmpfs           4053212         0   4053212   0% /sys/fs/cgroup
tmpfs           810640       24    810616   1% /run/user/1000
root@kayonpc18:/home/kayon-pc18#
```

14. du berfungsi untuk mengestimasi penggunaan data

15. ls -l/home menampilkan isi direktori home

```
root@kayonpc18:/home/kayon-pc18# du
12 root@kayonpc18:/home/kayon-pc18# ls -l /home
4 total 4
8 drwxr-xr-x 18 kayon-pc18 kayon-pc18 4096 Okt 10 08:42 kayon-pc18
4684 root@kayonpc18:/home/kayon-pc18#
7804 ./Documents
2416 ./Pictures
4 ./local/share/ristretto
40 ./local/share/gvfs-metadata
8 ./local/share/PackageTracer7/LocalStorage
36 ./local/share/PackageTracer7
4 ./local/share/nano
552 ./local/share/NetacadExamPlayer/QtWebEngine/Default/GPUCache
556 ./local/share/NetacadExamPlayer/QtWebEngine/Default
560 ./local/share/NetacadExamPlayer/QtWebEngine
564 ./local/share/NetacadExamPlayer
```

