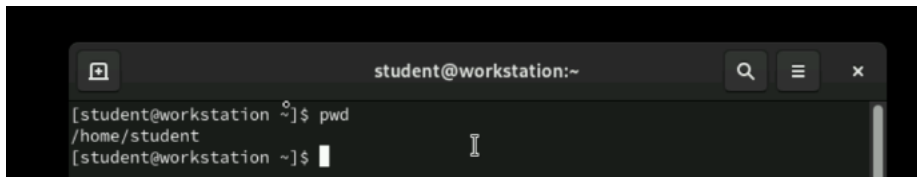


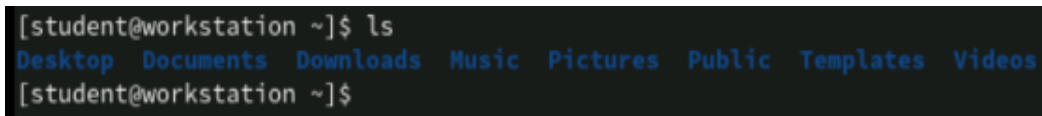
50 Comment Line

1. **Pwd** : Menampilkan Direktori kerja saat ini



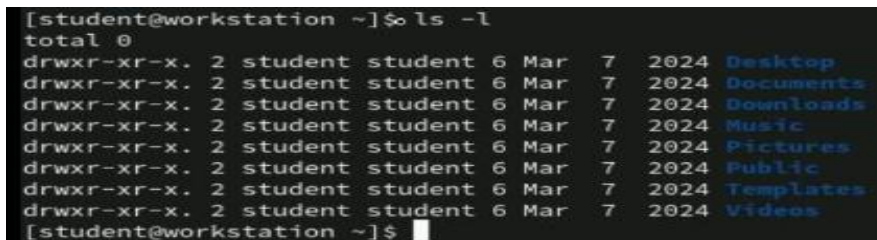
```
student@workstation:~  
[student@workstation ~]$ pwd  
/home/student  
[student@workstation ~]$
```

2. **ls** : Menampilkan daftar file/direktori di folder aktif



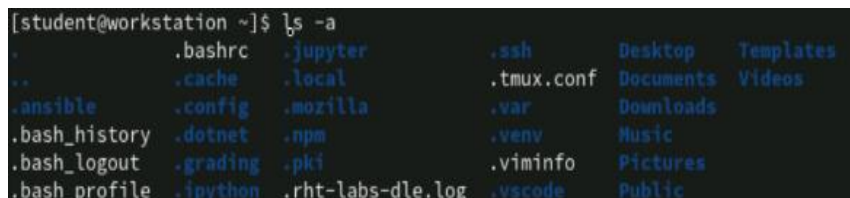
```
[student@workstation ~]$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos  
[student@workstation ~]$
```

3. **ls -l** : Menampilkan daftar file dengan detail (izin, ukuran, pemilik)



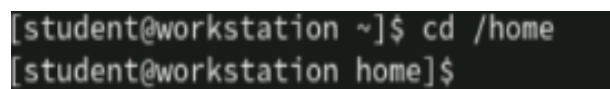
```
[student@workstation ~]$ ls -l  
total 0  
drwxr-xr-x. 2 student student 6 Mar  7 2024 Desktop  
drwxr-xr-x. 2 student student 6 Mar  7 2024 Documents  
drwxr-xr-x. 2 student student 6 Mar  7 2024 Downloads  
drwxr-xr-x. 2 student student 6 Mar  7 2024 Music  
drwxr-xr-x. 2 student student 6 Mar  7 2024 Pictures  
drwxr-xr-x. 2 student student 6 Mar  7 2024 Public  
drwxr-xr-x. 2 student student 6 Mar  7 2024 Templates  
drwxr-xr-x. 2 student student 6 Mar  7 2024 Videos  
[student@workstation ~]$
```

4. **ls -a** : Menampilkan daftar file termasuk yang tersembunyi (“diawali”.”)



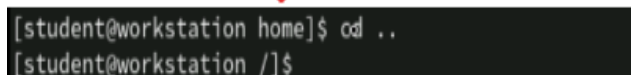
```
[student@workstation ~]$ ls -a  
.  
..  
.ansible  
.bash_history  
.bash_logout  
.bash_profile  
.bashrc  
.cache  
.config  
.dotnet  
.grading  
.ipython  
.local  
.mozilla  
.npm  
.pkc  
.rht-labs-dle.log  
.ssh  
.tmux.conf  
.var  
.venv  
.viminfo  
.vscode  
Desktop  
Documents  
Downloads  
Music  
Pictures  
Public  
Templates  
Videos
```

5. **cd /home**: pindah rektori ke /home



```
[student@workstation ~]$ cd /home  
[student@workstation home]$
```

6. **cd ..** : Naik satu level direktori



```
[student@workstation home]$ cd ..  
[student@workstation /]$
```

7. **whoami** : Menampilkan user yang sedang login



```
[student@workstation /]$ whoami  
student
```

8. **w** : Menampilkan semua user yang sedang login

```
[student@workstation ~]$ w
12:26:04 up 24 min, 2 users, load average: 0.08, 0.02, 0.01
USER      TTY      LOGIN@  IDLE   JCPU   PCPU WHAT
student   seat0    12:01   0.00s  0.00s  0.00s /usr/libexec/gdm-x-session --re
student   :0       12:01   ?xdm?  47.27s 0.00s  /usr/libexec/gdm-x-session --re
```

9. **uname -a** : Menampilkan detail system operasi

```
[student@workstation ~]$ uname -a
Linux workstation 5.14.0-362.8.1.el9_3.x86_64 #1 SMP PREEMPT_DYNAMIC Tue Oct 3 1
1:12:36 EDT 2023 x86_64 x86_64 x86_64 GNU/Linux
```

10. **df -h** : Menampilkan penggunaan sidk dengan format mudah dibaca

```
[student@workstation ~]$ df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs         4.0M   0    4.0M   0% /dev
tmpfs            2.8G   84K   2.8G   1% /dev/shm
tmpfs            1.2G   18M   1.1G   2% /run
/dev/vda4        20G    18G   2.2G  89% /
/dev/vda3        536M   221M  316M  42% /boot
/dev/vda2        200M    7.0M  193M   4% /boot/efi
tmpfs            566M   108K   566M   1% /run/user/1000
/dev/sr0         536K   536K    0 100% /run/media/meta-data
```

11. **free -h** : Menampilkan penggunaan RAM

```
[student@workstation ~]$ free -h
              total        used         free       shared    buff/cache   available
Mem:          5.5Gi        1.5Gi        3.4Gi         22Mi        898Mi        4.0Gi
Swap:          0B           0B           0B
```

12. **top** : Menampilkan proses yang sedang berjalan

```
[student@workstation ~]$ top

top - 12:34:35 up 32 min, 2 users, load average: 0.00, 0.00, 0.00
Tasks: 225 total, 1 running, 224 sleeping, 0 stopped, 0 zombie
%Cpu(s): 1.3 us, 0.1 sy, 0.0 ni, 98.5 id, 0.0 wa, 0.1 hi, 0.0 si, 0.0 st
MiB Mem : 5657.4 total, 3458.5 free, 1580.8 used, 898.8 buff/cache
MiB Swap: 0.0 total, 0.0 free, 0.0 used, 4076.6 avail Mem

  PID USER      PR  NI   VIRT   RES    SHR S  %CPU  %MEM    TIME+  COMMAND
 1447 student    20   0 4700800 250272 125784 S   3.3   4.3   0:08.37 gnome-s+
 1273 student    20   0 809584  70084  48824 S   1.3   1.2   0:02.71 Xorg
 2718 student    20   0 686664  51388  37284 S   0.7   0.9   0:01.65 gnome-t+
 2876 student    20   0 226480  4284   3436 R   0.3   0.1   0:00.07 top
    1 root        20   0 173176  17368  10948 S   0.0   0.3   0:01.54 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+
    5 root         0 -20      0      0      0 I   0.0   0.0   0:00.00 slub_fl+
    6 root         0 -20      0      0      0 I   0.0   0.0   0:00.00 netns
    8 root         0 -20      0      0      0 I   0.0   0.0   0:00.00 kworker+
   10 root         0 -20      0      0      0 I   0.0   0.0   0:00.00 mm_perc+
   11 root        20   0      0      0      0 I   0.0   0.0   0:00.05 kworker+
   12 root        20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tas+
   13 root        20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_tas+
```

13. **id** : Menampilkan informasi user (UID, GID, grup)

```
[student@workstation ~]$ id
uid=1000(student) gid=1000(student) groups=1000(student),10(wheel) context=uncon
fined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
```

14. **groups** : Menampilkan grup yang dimiliki user

```
[student@workstation ~]$ id
uid=1000(student) gid=1000(student) groups=1000(student),10(wheel) context=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
```

15. **ifconfig** : Menampilkan konfigurasi jaringan (lama diganti ip)

```
[student@workstation ~]$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.25.250.9 netmask 255.255.255.0 broadcast 172.25.250.255
    inet6 fe80::5054:ff:fe00:fa09 prefixlen 64 scopeid 0x20<link>
    ether 52:54:00:00:fa:09 txqueuelen 1000 (Ethernet)
    RX packets 681 bytes 461166 (450.3 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 512 bytes 62409 (60.9 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 23 bytes 2491 (2.4 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 23 bytes 2491 (2.4 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

podman0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.88.0.1 netmask 255.255.0.0 broadcast 10.88.255.255
    inet6 fe80::f445:58ff:fe0c:ba0 prefixlen 64 scopeid 0x20<link>
    ether f6:45:58:fc:cb:a0 txqueuelen 1000 (Ethernet)
    RX packets 113 bytes 5656 (5.5 KiB)
```

16. **ss -tuln** : Menampilkan port aktif (pengganti netstat)

```
[student@workstation ~]$ ss -tuln
Netid  State  Recv-Q  Send-Q  Local Address:Port  Peer Address:Port  Process
udp    UNCONN 0        0        0.0.0.0:111          0.0.0.0:*
udp    UNCONN 0        0        127.0.0.1:323        0.0.0.0:*
udp    UNCONN 0        0        0.0.0.0:33407        0.0.0.0:*
udp    UNCONN 0        0        0.0.0.0:5353         0.0.0.0:*
udp    UNCONN 0        0        [::]:111             [::]:*
udp    UNCONN 0        0        [::1]:323            [::]:*
udp    UNCONN 0        0        [::]:5353            [::]:*
udp    UNCONN 0        0        [::]:53029           [::]:*
tcp    LISTEN 0        32        0.0.0.0:4713         0.0.0.0:*
tcp    LISTEN 0        4096       127.0.0.1:631        0.0.0.0:*
tcp    LISTEN 0        4096       0.0.0.0:8888         0.0.0.0:*
tcp    LISTEN 0        128        0.0.0.0:22           0.0.0.0:*
tcp    LISTEN 0        4096       0.0.0.0:111          0.0.0.0:*
tcp    LISTEN 0        4096       [::1]:631           [::]:*
tcp    LISTEN 0        32        [::]:4713            [::]:*
tcp    LISTEN 0        128        [::]:22              [::]:*
tcp    LISTEN 0        4096       [::]:111             [::]:*
```

17. **netstat -tuln** : Menampilkan port yang terbuka (butuh net-tools)

```
[student@workstation ~]$ netstat -tuln
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp    0      0 0.0.0.0:4713            0.0.0.0:*              LISTEN
tcp    0      0 127.0.0.1:631           0.0.0.0:*              LISTEN
tcp    0      0 0.0.0.0:8888            0.0.0.0:*              LISTEN
tcp    0      0 0.0.0.0:22              0.0.0.0:*              LISTEN
tcp    0      0 0.0.0.0:111             0.0.0.0:*              LISTEN
tcp6   0      0 :::631                  :::*                    LISTEN
tcp6   0      0 :::4713                  :::*                    LISTEN
tcp6   0      0 :::22                    :::*                    LISTEN
tcp6   0      0 :::111                   :::*                    LISTEN
udp    0      0 0.0.0.0:111             0.0.0.0:*              LISTEN
udp    0      0 127.0.0.1:323           0.0.0.0:*              LISTEN
udp    0      0 0.0.0.0:33407           0.0.0.0:*              LISTEN
udp    0      0 0.0.0.0:5353            0.0.0.0:*              LISTEN
udp6   0      0 :::111                   :::*                    LISTEN
udp6   0      0 :::1:323                 :::*                    LISTEN
udp6   0      0 :::5353                  :::*                    LISTEN
udp6   0      0 :::53029                 :::*                    LISTEN
```

18. **curl example.com** : Mengambil konten web dari example.com

```
[student@workstation ~]$ curl example.com
<h1>Welcome to Red Hat Training!</h1>
```

19. **uptime -p** : lama system berjalan (ringkas)

```
[student@workstation ~]$ uptime -p
up 16 minutes
```

20. **vmstat** : Statistik CPU & memori

```
[student@workstation ~]$ uptime -p
up 16 minutes
```

21. **date** : tanggal dan waktu saat ini

```
[student@workstation ~]$ date
Tue Sep 16 01:26:57 UTC 2025
```

22. **hostname** : Menampilkan hostnsme

```
[student@workstation ~]$ hostname
workstation
```

23. **visudo** : Edit konfigurasi sudoers

```
visudo: /etc/sudoers: Permission denied
[student@workstation ~]$
```

24. **last** : Riwayat login user

```
[student@workstation ~]$ last
student :0 :0 Wed Sep 17 01:55 still logged in
student seat0 login screen Wed Sep 17 01:55 still logged in
reboot system boot 5.14.0-362.8.1.e Wed Sep 17 01:55 still running
student :0 :0 Tue Sep 16 01:06 - down (00:21)
student seat0 login screen Tue Sep 16 01:06 - down (00:21)
reboot system boot 5.14.0-362.8.1.e Tue Sep 16 01:06 - 01:28 (00:22)
student :0 :0 Mon Sep 15 12:01 - down (11:58)
student seat0 login screen Mon Sep 15 12:01 - down (11:58)
reboot system boot 5.14.0-362.8.1.e Mon Sep 15 12:01 - 00:00 (11:58)
student :0 :0 Fri Sep 12 02:11 - down (09:38)
student seat0 login screen Fri Sep 12 02:11 - down (09:38)
reboot system boot 5.14.0-362.8.1.e Fri Sep 12 02:11 - 11:50 (09:38)
student :0 :0 Tue Aug 13 16:44 - down (00:07)
student seat0 login screen Tue Aug 13 16:44 - down (00:07)
reboot system boot 5.14.0-362.8.1.e Tue Aug 13 16:44 - 16:51 (00:07)
student :0 :0 Tue Aug 13 02:38 - down (00:00)
student seat0 login screen Tue Aug 13 02:38 - down (00:00)
reboot system boot 5.14.0-362.8.1.e Tue Aug 13 02:38 - 02:39 (00:00)
student :0 :0 Tue Aug 13 02:09 - down (00:28)
student seat0 login screen Tue Aug 13 02:09 - down (00:28)
reboot system boot 5.14.0-362.8.1.e Tue Aug 13 02:09 - 02:38 (00:28)
student pts/0 10.88.0.2 Wed Jul 10 08:16 - 08:17 (00:00)
student pts/0 10.88.0.2 Wed Jul 10 08:16 - 08:16 (00:00)
```


25. ip a : Melihat Alamat IP

```
[student@workstation ~]$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 52:54:00:00:fa:09 brd ff:ff:ff:ff:ff:ff
    altname enp0s3
    altname ens3
    inet 172.25.250.9/24 brd 172.25.250.255 scope global noprefixroute eth0
        valid_lft forever preferred_lft forever
    inet6 fe80::5054:ff:fe00:fa09/64 scope link
        valid_lft forever preferred_lft forever
3: podman0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether 7a:c0:31:ff:57:6c brd ff:ff:ff:ff:ff:ff
    inet 10.88.0.1/16 brd 10.88.255.255 scope global podman0
        valid_lft forever preferred_lft forever
    inet6 fe80::78c0:31ff:feff:576c/64 scope link
```

26. ip route : Melihat Rounting Tabel

```
[student@workstation ~]$ ip route
default via 172.25.250.254 dev eth0 proto static metric 100
10.88.0.0/16 dev podman0 proto kernel scope link src 10.88.0.1
172.25.250.0/24 dev eth0 proto kernel scope link src 172.25.250.9 metric 100
```

27. arp -a : Tabel ARP

```
[student@workstation ~]$ arp -a
? (10.88.0.2) at c2:12:dd:a2:76:5e [ether] on podman0
bastion.lab.example.com (172.25.250.254) at 52:54:00:00:fa:fe [ether] on eth0
utility.lab.example.com (172.25.250.220) at 52:54:00:00:fa:dc [ether] on eth0
```

28. dig google.com: Query DNS (butuh bind-utils)

```
[student@workstation ~]$ arp -a
? (10.88.0.2) at c2:12:dd:a2:76:5e [ether] on podman0
bastion.lab.example.com (172.25.250.254) at 52:54:00:00:fa:fe [ether] on eth0
utility.lab.example.com (172.25.250.220) at 52:54:00:00:fa:dc [ether] on eth0
```

29. nslookup google.com: Query DNS (lama, diganti dig)

```
[student@workstation ~]$ arp -a
? (10.88.0.2) at c2:12:dd:a2:76:5e [ether] on podman0
bastion.lab.example.com (172.25.250.254) at 52:54:00:00:fa:fe [ether] on eth0
utility.lab.example.com (172.25.250.220) at 52:54:00:00:fa:dc [ether] on eth0
```

30. nc -lvp 1234 : Netcat listening diport 1234

```
[student@workstation ~]$ nc -lvp 1234
Ncat: Version 7.92 ( https://nmap.org/ncat )
Ncat: Listening on :::1234
Ncat: Listening on 0.0.0.0:1234
```

31. curl ifconfig.me : Cek IP public

```
[student@workstation ~]$ curl ifconfig.me
120.136.44.4[student@workstation ~]$
```

32. uname -p : Lama system berjalan (ringkas)

```
[student@workstation ~]$ uname -p
x86_64
```

33. **cal** : Menampilkan Kalender

```
[student@workstation ~]$ cal
      September 2025
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
```

34. **echo "hallo" > hello.txt** : Tulis teks ke file (overwrite)

```
[student@workstation ~]$ echo "hallo" > hello.txt
[student@workstation ~]$ ls
Desktop  Downloads  Pictures  Templates  hello.txt
Documents Music      Public    Videos
```

35. **ls -t** : Urutkan file berdasarkan waktu modifikasi

```
[student@workstation ~]$ ls -t
hello.txt  Documents  Music      Public    Videos
Desktop    Downloads  Pictures    Templates
```

36. **cd /tmp** : Pindah ke folder /tmp

```
[student@workstation ~]$ cd /tmp
[student@workstation tmp]$
```

37. **realpath file.txt**: Menampilkan path absolut dari file

```
student@workstation tmp]$ realpath file.txt
tmp/file.txt
```

38. **basename /etc/passwd** : Menampilkan nama file saja (passwd)

```
[student@workstation tmp]$ basename /etc/passwd
passwd
```

39. **dirname /etc/passwd** : Menampilkan nama folder saja (/etc)

```
student@workstation tmp]$ dirname /etc/passwd
/etc
```

40. **ls -lhS** : List dengan ukuran terbaca manusia, urutkan besar

```
[student@workstation tmp]$ ls -lhS
total 16K
 0 drwx-----, 3 student student 24 Mar 7 2024 containers-user-1000
4.0K -rw-r--r--, 1 root root 841 Sep 17 02:46 rclocal.log
 0 drwxrwxr-x, 4 devops devops 172 Mar 7 2024 rhaap
4.0K -rw-r--r--, 1 root root 173 Sep 17 02:46 rhs-bastion
4.0K -rw-r--r--, 1 root root 4 Sep 17 01:55 rhs-release
4.0K -rw-r--r--, 1 root root 35 Aug 13 2024 student1Key.pub
 0 drwx-----, 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb7
4359aa97797f415f010b-ModemManager.service-v0rC1H
 0 drwx-----, 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb7
4359aa97797f415f010b-chronyd.service-zynwih
 0 drwx-----, 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb7
4359aa97797f415f010b-colord.service-mpsD2g
 0 drwx-----, 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb7
4359aa97797f415f010b-dbus-broker.service-FVeX4b
 0 drwx-----, 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb7
4359aa97797f415f010b-faupd.service-c19AKT
 0 drwx-----, 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb7
4359aa97797f415f010b-power-profiles-daemon.service-5m8gqw
 0 drwx-----, 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb7
4359aa97797f415f010b-rtkit-daemon.service-sfWUfC
 0 drwx-----, 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb7
4359aa97797f415f010b-selinux-basics-container3 - service-RxSD7Y
```

41. **ls -ltr** : Urutkan berdasarkan waktu dari lama ke baru

```
[student@workstation tmp]$ ls -ltr
total 16
drwxrwxr-x. 4 devops devops 172 Mar  7  2024 rhaap
drwx-----. 3 student student 24 Mar  7  2024 containers-user-1000
-rw-r--r--. 1 root root 35 Aug 13  2024 student1Key.pub
-rw-r--r--. 1 root root 4 Sep 17 01:55 rht-release
drwx-----. 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb74359a
a97797f415f010b-dbus-broker.service-FYeX4b
drwx-----. 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb74359a
a97797f415f010b-chronyd.service-zynwlh
drwx-----. 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb74359a
a97797f415f010b-rtkit-daemon.service-sfwUfc
drwx-----. 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb74359a
a97797f415f010b-switcheroo-control.service-Ha5P7X
drwx-----. 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb74359a
a97797f415f010b-systemd-logind.service-uofZFa
drwx-----. 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb74359a
a97797f415f010b-upower.service-3Kaauh
drwx-----. 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb74359a
a97797f415f010b-ModemManager.service-v0rC1R
-rw-r--r--. 1 root root 173 Sep 17 02:46 rht-bastion
-rw-r--r--. 1 root root 841 Sep 17 02:46 rclocal.log
drwx-----. 3 root root 17 Sep 17 02:46 systemd-private-1b46ce790fb74359a
a97797f415f010b-power-profiles-daemon.service-5mBgqw
```

42. **ls -S** : Urutkan file berdasarkan ukuran

```
[student@workstation tmp]$ ls -S
total 16
0 containers-user-1000
4 rclocal.log
0 rhaap
4 rht-bastion
4 rht-release
4 student1Key.pub
0 systemd-private-1b46ce790fb74359aa97797f415f010b-ModemManager.service-v0rC1R
0 systemd-private-1b46ce790fb74359aa97797f415f010b-chronyd.service-zynwlh
0 systemd-private-1b46ce790fb74359aa97797f415f010b-colord.service-mpsD2g
0 systemd-private-1b46ce790fb74359aa97797f415f010b-dbus-broker.service-FYeX4b
0 systemd-private-1b46ce790fb74359aa97797f415f010b-fwupd.service-cl9AKI
0 systemd-private-1b46ce790fb74359aa97797f415f010b-power-profiles-daemon.service-5mBgqw
0 systemd-private-1b46ce790fb74359aa97797f415f010b-rtkit-daemon.service-sfwUfc
0 systemd-private-1b46ce790fb74359aa97797f415f010b-switcheroo-control.service-Ha5P7X
0 systemd-private-1b46ce790fb74359aa97797f415f010b-systemd-logind.service-uofZFa
0 systemd-private-1b46ce790fb74359aa97797f415f010b-upower.service-3Kaauh
[student@workstation tmp]$
```

43. **jobs** : Lihat job yang berjalan di background

```
[student@workstation tmp]$ jobs
[student@workstation tmp]$
```

44. **ps** : Tampilkan proses milik user

```
[student@workstation tmp]$ ps
  PID TTY          TIME CMD
 2504 pts/0        00:00:00 bash
 2700 pts/0        00:00:00 ps
```

45. **lsblk** : List blok device (disk, USB)

```
[student@workstation tmp]$ lsblk
NAME MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sr0   11:0  1  536K  0 rom  /run/media/meta-data
vda   252:0  0    20G  0 disk
├─vda1 252:1  0     1M  0 part
├─vda2 252:2  0    200M  0 part /boot/efi
├─vda3 252:3  0    600M  0 part /boot
└─vda4 252:4  0   19.2G  0 part /var/lib/containers/storage/overlay
```

46. **uname -o** : Sistem operasi

```
[student@workstation tmp]$ uname -o
GNU/Linux
```

47. cat /proc/cpuinfo : Detail CPU

```
[student@workstation tmp]$ cat /proc/cpuinfo
processor       : 0
vendor_id      : GenuineIntel
cpu family     : 6
model          : 85
model name     : Intel(R) Xeon(R) Gold 6248 CPU @ 2.50GHz
stepping       : 7
microcode      : 0x5003302
cpu MHz        : 2494.140
cache size     : 16384 KB
physical id    : 0
siblings       : 1
core id        : 0
cpu cores      : 1
apicid         : 0
initial apicid : 0
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 mmx fxsr sse sse2 ss syscall nx pdpe1gb rdtscp lm constant_tsc
arch_perfmon rep_good nopl xtopology cpuid tsc_known_freq pni pclmulqdq vmx sss
e3 fma cx16 pcdm pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes x
```

48. sleep 5 : Delay 5 detik

```
[student@workstation tmp]$ sleep 5
[student@workstation tmp]$
```

49. hostnamectl : Informasi hostname & OS

```
[student@workstation tmp]$ hostnamectl
Static hostname: workstation
Icon name: computer-vm
Chassis: vm
Machine ID: 0acf3cdf85734e43b4d2e1f5cad9b757
Boot ID: 1b46ce790fb74359aa97797f415f010b
Virtualization: kvm
Operating System: Red Hat Enterprise Linux 9.3 (Plow)
CPE OS Name: cpe:/o:redhat:enterprise_linux:9::baseos
Kernel: Linux 5.14.0-362.8.1.el9_3.x86_64
Architecture: x86-64
Hardware Vendor: Red Hat
Hardware Model: OpenStack Compute
Firmware Version: 1.14.0-1.module+el8.4.0+8855+a9e237a9
```

50. which ls : Cari lokasi binary ls

```
[student@workstation tmp]$ which ls
alias ls='ls --color=auto'
/bin/ls
```