Assessment-1

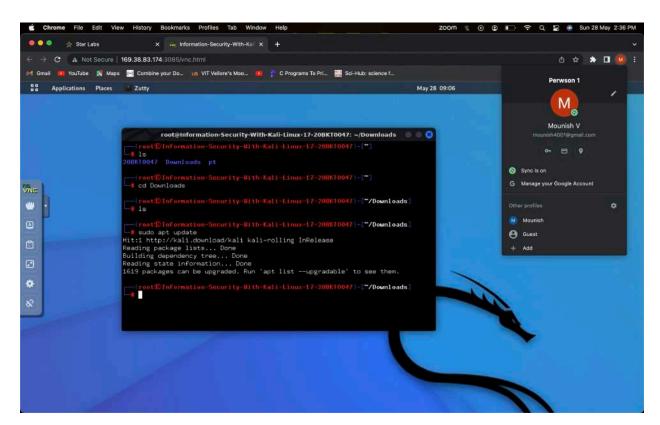
Title: Linux Command List Assessment

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File and Directory Operations:

ls: List files and directories



cd: Change directory

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~/Downloads/P... 

File Edit View Search Terminal Help

__(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# cd /

__(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[/]

# cd ~

___(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# cd Downloads

___(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# cd Photos

___(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Photos]

# I
```

pwd: Print working directory

mkdir: Make directory

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~/Mounish  

File Edit View Search Terminal Help

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# mkdir Mounish

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# ls

20BKT0047 Downloads Mounish pt

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# cd Mounish

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Mounish]
```

touch: Create an empty file

```
File Edit View Search Terminal Help

(root@Information-Security-With-Kali=Linux-17-20BKT0047)-[~]

# touch file

(root@Information-Security-With-Kali=Linux-17-20BKT0047)-[~]

# ls

20BKT0047 Downloads file Mounish pt

(root@Information-Security-With-Kali=Linux-17-20BKT0047)-[~]
```

cp: Copy files and directories

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~/Mounish  

Eile Edit View Search Terminal Help

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# ls

20BKT0047 Downloads file Mounish pt

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# cp file Mounish && cd Mounish

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Mounish]

# ls

file

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Mounish]
```

my: Move or rename files and directories

```
File Edit View Search Terminal Help

(root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# ls

20BKT0047 Downloads file Mounish pt

(root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# mv file renamed

(root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# ls

20BKT0047 Downloads Mounish pt renamed

(root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~]
```

rm: Remove files and directories

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~

File Edit View Search Terminal Help

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# ls

20BKT0047 Downloads Mounish pt renamed

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# rm renamed

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# ls

20BKT0047 Downloads Mounish pt

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]
```

find: Search for files and directories

File Viewing and Editing:

cat: Concatenate and display file content

less: View file content with pagination head: Display the beginning of a file

```
(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
# cd Movies

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]
# ls
text.txt

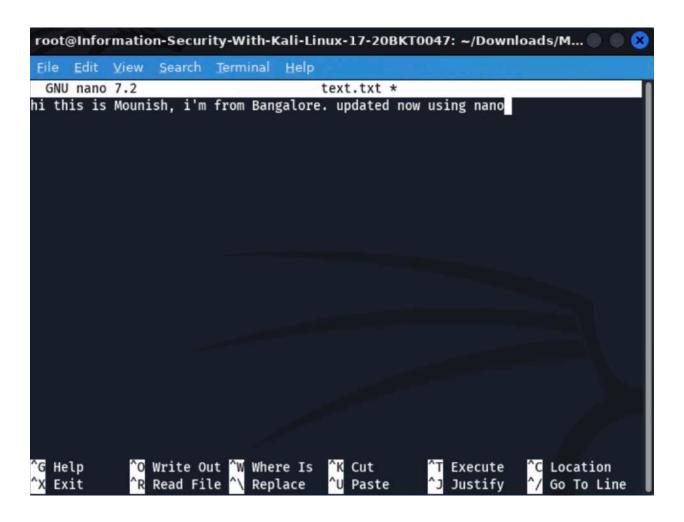
(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]
# cat text.txt
hi this is Mounish, i'm from Bangalore. $ less

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]
# head text.txt
hi this is Mounish, i'm from Bangalore. $ less

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]
## Proot@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]
## Proot@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]
## Proot@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]
## Proot@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]
## Proot@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]
```

tail: Display the end of a file

nano: Text editor for creating and editing files



```
Eile Edit View Search Terminal Help

(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# cd Downloads

(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# cd Movies

(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads/Movies]

# nano text.txt
```

vi/vim: Powerful text editor for experienced users

```
File Edit View Search Terminal Help

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# cd Downloads

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# vim newfile

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# ls

Movies newfile Photos Videos

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# cat newfile

vim created text

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
```

File Permissions:

chmod: Change file permissions

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~/Downloads  
Eile Edit View Search Jerminal Help

(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# cd Downloads

(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# ls

Movies newfile Photos Videos

(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# chmod u-rwx newfile

(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# chmod a=r newfile

(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
```

chown: Change file owner

```
File Edit View Search Jerminal Help

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# cd Downloads

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# ls

Movies newfile Photos Videos

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# chown root newfile

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
```

chgrp: Change file group

```
File Edit View Search Terminal Help
 —(root® Informa

# cd Downloads
root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# addgroup sample
Adding group `sample' (GID 1000) ...
Done.
      oot® Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
# chgroup 1001 new
Command 'chgroup' not found, did you mean:
 command 'c4group' from deb openclonk
Try: apt install <deb name>
                            rity-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
 # sudo su
 —(root⊛Information-Security-With-Kal
-# addgroup sample
                                           -Linux-17-20BKT0047)-[~/Downloads]
addgroup: The group `sample' already exists.
                               ty-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
  chgroup 1001 new
```

File Compression and Archiving:

tar: Archive files

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~/Downloads
File Edit View Search Terminal Help
Movies newfile Photos Videos
  -(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
 # tarp -cf arch newfile
Command 'tarp' not found, did you mean:
 command 'tar' from deb tar
 command 'arp' from deb net-tools
 command 'rarp' from deb net-tools
 command 'warp' from deb libghc-wai-app-static-dev
 command 'tap' from deb node-tap
Try: apt install <deb name>
  -(root®Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
 # tar -cf arch newfile
 --(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
# tar -xf arch
arch Movies newfile Photos Videos
                      Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
```

gzip: Compress files

unzip: Extract files from a ZIP archive

```
File Edit View Search Terminal Help

— (root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# cd Downloads

— (root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# ls

# arch Movies newfile.gz Photos Videos

— (root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# gunzip newfile.gz

— (root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# ls

# arch Movies newfile Photos Videos

— (root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# ls

# ls

# croot® Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]

# ls

# loot® Information-Security-With-Kali-Linux-17-20BKT0047)-[~/Downloads]
```

Process Management:

ps: List running processes

```
File Edit View Search Terminal Help

—(root⊕ Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# ps
PID TTY TIME CMD

12373 pts/1 00:00:00 bash
12390 pts/1 00:00:00 ps
```

top: Display real-time system information and processes

| File Edit | View Search | <u>T</u> ermina | l Help | | | | | |
|--|-------------|-----------------|-----------|------------|-------|---------|--|----------|
| top - 10:01 | :06 up 2:38 | 3, 0 us | ers, load | d average: | 0.16, | 0.13, | 0.17 | |
| Tasks: 74 total, 1 running, 73 sleeping, 0 stopped, 0 zombie | | | | | | | | |
| %Cpu(s): 2 | .7 us, 0.0 | sy, 0.0 | ni, 97.3 | 3 id, 0.0 | wa, | 0.0 hi, | 0.0 si | 0.0 st |
| MiB Mem : | 3814.7 tota | il, 270 | | | used, | 470 | .7 buff/d | cache |
| MiB Swap: | 0.0 tota | ıl, | 0.0 free | , 0.0 | used. | 3172 | .1 avail | Mem |
| | | | | · = | | | | |
| PID USE | | II VII | | SHR S | %CPU | %MEM | THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW | COMMAND |
| 327 roo | | 0 1572 | | 8336 S | 1.3 | 1.3 | | nessusd |
| 10636 roo | | | 28 323192 | 99120 S | 0.7 | 8.3 | | gnome-s+ |
| 10632 roo | | 0 2745 | | 44356 S | 0.3 | 2.3 | | Xtigerv+ |
| 12346 roo | t 20 | 0 69864 | | 27204 S | 0.3 | 1.0 | | gnome-t+ |
| 1 roo | t 20 | 0 1686 | 76 10460 | 6168 S | 0.0 | 0.3 | | systemd |
| 75 roo | t 20 | 0 3314 | 44 12360 | 10996 S | 0.0 | 0.3 | 0:03.45 | systemd+ |
| 94 roo | t 20 | 0 2349 | 96 4600 | 2856 S | 0.0 | 0.1 | 0:00.07 | systemd+ |
| 111 roo | t 20 | 0 82 | 52 4232 | 1100 S | 0.0 | 0.1 | 0:00.40 | haveged |
| 124 roo | t 20 | 0 2368 | 44 4760 | 3888 S | 0.0 | 0.1 | 0:00.26 | account+ |
| 125 roo | t 20 | 0 660 | 00 1628 | 1384 S | 0.0 | 0.0 | 0:00.04 | cron |
| 126 mes | sage+ 20 | 0 108 | 48 4820 | 2572 S | 0.0 | 0.1 | 0:01.77 | dbus-da+ |
| 131 pol | kitd 20 | 0 2403 | 72 7968 | 4572 S | 0.0 | 0.2 | 0:00.10 | polkitd |
| 132 sys | log 20 | 0 15649 | 96 3116 | 2532 S | 0.0 | 0.1 | 0:00.27 | rsyslogd |
| 133 roo | t 20 | 0 1688 | 5988 | 4912 S | 0.0 | 0.2 | 0:00.10 | systemd+ |
| 134 roo | t 20 | 0 693 | 16 2132 | 1828 S | 0.0 | 0.1 | 0:00.77 | bash |
| 141 roo | t 20 | 0 2580 | 2 11828 | 9180 S | 0.0 | 0.3 | 0:00.16 | Network+ |
| 232 roo | t 20 | 0 586 | 50 2588 | 1752 S | 0.0 | 0.1 | 0:00.01 | dhclient |

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~
    Edit View Search Terminal
                               Help
   kill
kill: usage: kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill
-l [sigspec]
              mation-Security-With-Kali-Linux-17-20BKT0047)-[~]
   kill -l
 1) SIGHUP
              SIGINT
                             SIGQUIT
                                            4) SIGILL
                                                             SIGTRAP
               7) SIGBUS
SIGABRT
                              8) SIGFPE
                                                            10) SIGUSR1
                                              9) SIGKILL
11) SIGSEGV
               12) SIGUSR2
                              13) SIGPIPE
                                             14) SIGALRM
                                                           15) SIGTERM
                                           19) SIGSTOP
              17) SIGCHLD
                                                            20) SIGTSTP
16) SIGSTKFLT
                              18) SIGCONT
                            23) SIGURG
21) SIGTTIN
              22) SIGTTOU
                                                           25) SIGXFSZ
                                             24) SIGXCPU
26) SIGVTALRM 27) SIGPROF
                              28) SIGWINCH
                                             29) SIGIO
                                                            30) SIGPWR
31) SIGSYS
              34) SIGRTMIN 35) SIGRTMIN+1 36) SIGRTMIN+2 37) SIGRTMIN+3
38) SIGRTMIN+4 39) SIGRTMIN+5 40) SIGRTMIN+6 41) SIGRTMIN+7 42) SIGRTMIN+8
43) SIGRTMIN+9 44) SIGRTMIN+10 45) SIGRTMIN+11 46) SIGRTMIN+12 47) SIGRTMIN+13
48) SIGRTMIN+14 49) SIGRTMIN+15 50) SIGRTMAX-14 51) SIGRTMAX-13 52) SIGRTMAX-12
53) SIGRTMAX-11 54) SIGRTMAX-10 55) SIGRTMAX-9 56) SIGRTMAX-8 57) SIGRTMAX-7
58) SIGRTMAX-6 59) SIGRTMAX-5 60) SIGRTMAX-4 61) SIGRTMAX-3 62) SIGRTMAX-2
63) SIGRTMAX-1 64) SIGRTMAX
                         itv-With-Kali-Linux-17-20BKT0047)-[~]
```

bg: Run processes in the background

fg: Bring background processes to the foreground

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~  

File Edit View Search Jerminal Help

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# bg
bash: bg: current: no such job

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# jobs

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# fg
bash: fg: current: no such job

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

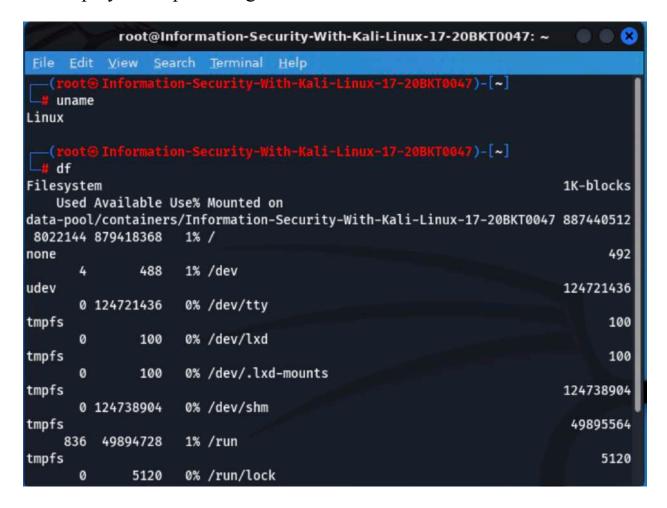
# jobs

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]
```

System Information:

uname: Print system information

df: Display disk space usage



free: Display memory usage uptime: Show system uptime who: Display logged-in users

w: Display logged-in users and their activities



Networking:

ifconfig: Configure network interfaces

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~
                Search Terminal
   ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
       inet 10.12.197.185 netmask 255.255.0.0 broadcast 10.12.255.255
       inet6 fe80::216:3eff:fe64:6548 prefixlen 64 scopeid 0x20<link>
       ether 00:16:3e:64:65:48 txqueuelen 1000 (Ethernet)
       RX packets 126023 bytes 10523825 (10.0 MiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 97464 bytes 178180942 (169.9 MiB)
       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 162264 bytes 179993769 (171.6 MiB)
       RX errors 0 dropped 0 overruns 0 frame 0
       TX packets 162264 bytes 179993769 (171.6 MiB)
       TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

ping: Send ICMP echo requests to a network host

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~
                 Search Terminal Help
   ping www.google.com
PING www.google.com (142.250.182.68): 56 data bytes
64 bytes from 142.250.182.68: icmp_seq=0 ttl=116 time=33.690 ms
64 bytes from 142.250.182.68: icmp_seq=1 ttl=116 time=32.716 ms
64 bytes from 142.250.182.68: icmp_seq=2 ttl=116 time=32.717 ms
64 bytes from 142.250.182.68: icmp_seq=3 ttl=116 time=32.727 ms
64 bytes from 142.250.182.68: icmp_seq=4 ttl=116 time=32.709 ms
64 bytes from 142.250.182.68: icmp_seq=5 ttl=116 time=32.679 ms
64 bytes from 142.250.182.68: icmp_seq=6 ttl=116 time=32.681 ms
64 bytes from 142.250.182.68: icmp_seq=7 ttl=116 time=32.654 ms
64 bytes from 142.250.182.68: icmp_seq=8 ttl=116 time=32.685 ms
64 bytes from 142.250.182.68: icmp_seq=9 ttl=116 time=32.690 ms
64 bytes from 142.250.182.68: icmp_seq=10 ttl=116 time=32.723 ms
64 bytes from 142.250.182.68: icmp_seq=11 ttl=116 time=32.712 ms
64 bytes from 142.250.182.68: icmp_seq=12 ttl=116 time=32.681 ms
64 bytes from 142.250.182.68: icmp_seq=13 ttl=116 time=32.689 ms
64 bytes from 142.250.182.68: icmp_seq=14 ttl=116 time=32.739 ms
```

ssh: Securely connect to a remote system

```
File Edit View Search Jerminal Help

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# ssh

usage: ssh [-46AaCfGgKkMNnqsTtVvXxYy] [-B bind_interface]

[-b bind_address] [-c cipher_spec] [-D [bind_address:]port]

[-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]

[-i identity_file] [-J [user@]host[:port]] [-L address]

[-l login_name] [-m mac_spec] [-0 ctl_cmd] [-o option] [-p port]

[-Q query_option] [-R address] [-S ctl_path] [-W host:port]

[-w local_tun[:remote_tun]] destination [command [argument ...]]
```

scp: Securely copy files between systems

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~ 

File Edit View Search Terminal Help

(root@ Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# scp

usage: scp [-346ABCOpqRrsTv] [-c cipher] [-D sftp_server_path] [-F ssh_config]

[-i identity_file] [-J destination] [-l limit]

[-o ssh_option] [-P port] [-S program] source ... target
```

wget: Download files from the web

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~
     Edit View Search Terminal Help
 # wget www.google.com
 -2023-05-28 10:09:31-- http://www.google.com/
Resolving www.google.com (www.google.com)... 142.250.182.68, 2404:6800:4007:820:
:2004
Connecting to www.google.com (www.google.com)|142.250.182.68|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/html]
Saving to: 'index.html'
index.html
                       (=>
                                            19.64K --.-KB/s
                                                                   in 0.04s
2023-05-28 10:09:32 (556 KB/s) - 'index.html' saved [20115]
   find -name index.html
 /index.html
```

System Administration:

sudo: Execute commands with superuser privileges

```
File Edit View Search Jerminal Help

(root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# sudo
usage: sudo -h | -K | -k | -V
usage: sudo -v [-ABknS] [-g group] [-h host] [-p prompt] [-u user]
usage: sudo -l [-ABknS] [-g group] [-h host] [-p prompt] [-U user] [-u user]
[command]
usage: sudo [-ABbEHknPS] [-r role] [-t type] [-C num] [-D directory] [-g group]
[-h host] [-p prompt] [-R directory] [-T timeout] [-u user]
[VAR=value] [-i|-s] [<command>]
usage: sudo -e [-ABknS] [-r role] [-t type] [-C num] [-D directory] [-g group]
[-h host] [-p prompt] [-R directory] [-T timeout] [-u user] file ...

(root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~]
# sudo su
```

apt-get: Package management for Debian-based distributions

yum: Package management for Red Hat-based distributions

```
File Edit View Search Terminal Help

(root@Information-Security-With-Kali-Linux-17-20BKT0047)-[~]

# apt-get install yum -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package yum is not available, but is referred to by another package.
This may mean that the package is missing, has been obsoleted, or is only available from another source

E: Package 'yum' has no installation candidate
```

systemctl: Manage system services

```
ı-Kali-Linux-17-20BKT0047)-[~]
systemctl
                                      LOAD ACTIVE SUB
                                                               DESCRIPTION
sys-devices-virtual-net-eth0.device
                                      loaded active plugged
                                                               /sys/devices/vi>
sys-subsystem-net-devices-eth0.device loaded active plugged
                                                               /sys/subsystem/>
                                                               Root Mount
-.mount
                                       loaded active mounted
                                                               /dev/.lxd-mounts
dev-.lxd\x2dmounts.mount
                                      loaded active mounted
                                                               /dev/full
dev-full.mount
                                      loaded active mounted
dev-fuse.mount
                                      loaded active mounted
                                                               /dev/fuse
dev-lxd.mount
                                      loaded active mounted
                                                               /dev/lxd
                                      loaded active mounted
                                                               POSIX Message Q>
dev-mqueue.mount
dev-net-tun.mount
                                      loaded active mounted
                                                               /dev/net/tun
                                      loaded active mounted
                                                               /dev/null
dev-null.mount
dev-ptmx.mount
                                      loaded active mounted
                                                               /dev/ptmx
dev-random.mount
                                      loaded active mounted
                                                               /dev/random
dev-ttv.mount
                                      loaded active mounted
                                                               /dev/ttv
dev-urandom.mount
                                      loaded active mounted
                                                               /dev/urandom
dev-zero.mount
                                      loaded active mounted
                                                               /dev/zero
proc-cpuinfo.mount
                                      loaded active mounted
                                                               /proc/cpuinfo
proc-diskstats.mount
                                      loaded active mounted
                                                               /proc/diskstats
proc-loadavg.mount
                                      loaded active mounted
                                                               /proc/loadavg
proc-meminfo mount
                                      loaded active mounted
                                                               /nroc/meminfo
```

crontab: Schedule recurring tasks

```
# crontab -i
crontab: usage error: file name must be specified for replace
usage: crontab [-u user] file
        crontab [ -u user ] [ -i ] { -e | -l | -r }
                (default operation is replace, per 1003.2)
                (edit user's crontab)
        -е
        -1
               (list user's crontab)
                (delete user's crontab)
        -r
                (prompt before deleting user's crontab)
  cd Downloads
                                        -Linux-17-20BKT0047)-[~/Downloads]
  # crontab -i newfile
'newfile":0: bad minute
errors in crontab file, can't install.
                                    Kali-Linux-17-20BKT0047)-[~/Downloads]
```

useradd: Add a new user

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~
File Edit View Search Terminal Help
 # useradd
Usage: useradd [options] LOGIN
      useradd -D
      useradd -D [options]
Options:
     --badname
                                do not check for bad names
  -b, --base-dir BASE_DIR
                               base directory for the home directory of the
                                new account
     --btrfs-subvolume-home
                               use BTRFS subvolume for home directory
  -c, --comment COMMENT
                               GECOS field of the new account
 -d, --home-dir HOME_DIR
                                home directory of the new account
  -D, --defaults
                                print or change default useradd configuration
  -e, --expiredate EXPIRE_DATE expiration date of the new account
  -f, --inactive INACTIVE
                                password inactivity period of the new account
                                add entries to sub[ud]id even when adding a syst
  -F, --add-subids-for-system
em user
                                name or ID of the primary group of the new
  -g, --gid GROUP
                                account
  -G, --groups GROUPS
                                list of supplementary groups of the new
                                account
  -h, --help
                                display this help message and exit
  -k, --skel SKEL_DIR
                                use this alternative skeleton directory
```

passwd: Change user password

```
root® Information-Security-With-Kali-Linux-17-20BKT0047)-[~]
# passwd
New password:
Retype new password:
passwd: password updated successfully
```

```
root@Information-Security-With-Kali-Linux-17-20BKT0047: ~
File Edit View Search Terminal Help
 # adduser new
Adding user `new' ...
Adding new group `new' (1001) ...
Adding new user `new' (1001) with group `new (1001)' ...
Creating home directory '/home/new' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for new
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
       Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n]
Adding new user `new' to supplemental / extra groups `users' ...
Adding user 'new' to group 'users' ...
```

```
root®Information-Security-With-Kali-Linux-17-20BKT0047)-[~]
# passwd new
New password:
Retype new password:
passwd: password updated successfully
```