## Esercizio 1

Configurazione cartelle e sottocartelle

```
__(kali⊛kali)-[~]

$ tree
  - Desktop
      http_packet
      - https.txt
       - http.txt
    localhost request packet analysis.txt
  Downloads
   Pictures
  - Public
   risultati.doc
        __ casa
        matteo
L amici
        nicola
          - lavoro
            - pippo.txt
           scuola
              - compito.doc
              - relazione.doc
    tmp
└─ risultati.doc
— windows
20 directories, 9 files
```

```
| (kali⊕ kali)-[~]
| $ mkdir dos

| (kali⊕ kali)-[~]
| $ mkdir studenti

| (kali⊕ kali)-[~]
| $ mkdir windows

| (kali⊕ kali)-[~]
| $ mkdir tmp
```

```
—(kali⊕kali)-[~]
 _s cd studenti
(kali@ kali)-[~/studenti]
s mkdir nicola
  —(kali⊕kali)-[~/studenti]
 -$ mkdir anna
  -(kali⊗kali)-[~/studenti]
s mkdir matteo
(kali@ kali)-[~/studenti]
$ ls -l
total 12
drwxr-xr-x 2 kali kali 4096 Jun 20 15:33 anna
drwxr-xr-x 2 kali kali 4096 Jun 20 15:33 matteo
drwxr-xr-x 2 kali kali 4096 Jun 20 15:33 nicola
  -(kali⊗kali)-[~/studenti]
_$ cd nicola
  —(kali®kali)-[~/studenti/nicola]
s mkdir scuola
 —(kali®kali)-[~/studenti/nicola]
s mkdir lavoro
  -(kali® kali)-[~/studenti/nicola]
total 8
drwxr-xr-x 2 kali kali 4096 Jun 20 15:35 lavoro
drwxr-xr-x 2 kali kali 4096 Jun 20 15:35 scuola
  -(kali⊛kali)-[~/studenti]
total 12
drwxr-xr-x 2 kali kali 4096 Jun 20 15:33 anna
drwxr-xr-x 2 kali kali 4096 Jun 20 15:33 matteo
drwxr-xr-x 4 kali kali 4096 Jun 20 15:35 nicola
  —(kali⊛kali)-[~/studenti]
└─$ cd anna
___(kali⊕ kali)-[~/studenti/anna]

$ mkdir casa
```

—(kali⊛kali)-[~/studenti/anna]

drwxr-xr-x 2 kali kali 4096 Jun 20 15:39 casa

Ls¹ls −l total 4

```
(kali® kali)-[~/studenti]
$ ls -l
total 12
drwxr-xr-x 3 kali kali 4096 Jun 20 15:39 anna
drwxr-xr-x 2 kali kali 4096 Jun 20 15:33 matteo
drwxr-xr-x 4 kali kali 4096 Jun 20 15:35 nicola

(kali® kali)-[~/studenti]
$ cd matteo

(kali® kali)-[~/studenti/matteo]
$ mkdir amici

(kali® kali)-[~/studenti/matteo]
$ ls -l
total 4
drwxr-xr-x 2 kali kali 4096 Jun 20 15:40 amici
```

```
(kali@ kali)-[~/studenti/nicola/scuola]
$ touch relazione.doc

(kali@ kali)-[~/studenti/nicola/scuola]
$ touch compito.doc

(kali@ kali)-[~/studenti/nicola/scuola]
$ ls -l
total 0
-rw-r--r-- 1 kali kali 0 Jun 20 15:44 compito.doc
-rw-r--r-- 1 kali kali 0 Jun 20 15:44 relazione.doc
```

```
(kali@ kali)-[~/tmp]
$ touch risultati.doc

(kali@ kali)-[~/tmp]
$ ls -l
total 0
-rw-r--r- 1 kali kali 0 Jun 20 15:46 risultati.doc
```

```
(kali@ kali)-[~/studenti/nicola/lavoro]
$ cd /home/kali/studenti/anna/casa

(kali@ kali)-[~/studenti/nicola/lavoro]
$ cd ..

(kali@ kali)-[~/studenti/nicola]
$ cd ..

(kali@ kali)-[~/studenti]
$ cd anna

(kali@ kali)-[~/studenti/anna]
$ cd casa

(kali@ kali)-[~/studenti/anna/casa]
```

a)

```
(kali@ kali)-[~/studenti/anna/casa]
$ cp /home/kali/studenti/nicola/scuola/compito.doc compito.doc

(kali@ kali)-[~/studenti/anna/casa]
$ ls -l
total 0
-rw-r-r-- 1 kali kali 0 Jun 20 15:55 compito.doc
```

b)

```
-(kali@kali)-[~/studenti/nicola/lavoro]
___s rm -r /home/kali/tmp
(kali@ kali)-[~/studenti/nicola/lavoro]

$ cd /home/kali
  -(kali⊕kali)-[~]
_$ ls -l
total 44
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Desktop
drwxr-xr-x 2 kali kali 4096 Jun 18 13:45 Documents
drwxr-xr-x 2 kali kali 4096 Jun 20 15:26 dos
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Downloads
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Music
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Pictures
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Public
drwxr-xr-x 5 kali kali 4096 Jun 20 15:33 studenti
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Templates
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Videos
drwxr-xr-x 2 kali kali 4096 Jun 20 15:27 windows
```

d) e)

```
(kali@ kali)-[~]
$ cd /home/kali/studenti/nicola/lavoro

(kali@ kali)-[~/studenti/nicola/lavoro]
$ touch pippo.txt

(kali@ kali)-[~/studenti/nicola/lavoro]
$ ls -l
total 0
-rw-r-r-- 1 kali kali 0 Jun 20 16:03 pippo.txt
```

f)

```
(kali® kali)-[~/studenti/nicola/lavoro]
$ cd /home/kali/studenti/anna

(kali® kali)-[~/studenti/anna]
$ mv casa .casa

(kali® kali)-[~/studenti/anna]
$ ls -l
total 0

(kali® kali)-[~/studenti/anna]
$ ls -la
total 12
drwxr-xr-x 3 kali kali 4096 Jun 20 16:08 .
drwxr-xr-x 5 kali kali 4096 Jun 20 15:33 ..
drwxr-xr-x 2 kali kali 4096 Jun 20 15:58 .casa
```

```
(kali@ kali)-[~/studenti/anna]
$ cd /home/kali/studenti/nicola/lavoro

(kali@ kali)-[~/studenti/nicola/lavoro]
$ nano pippo.txt
```

```
GNU nano 7.2 pippo.txt
```

h)

```
(kali@ kali)-[~/studenti/nicola/lavoro]
$ rmdir /home/kali/studenti/matteo/amici

(kali@ kali)-[~/studenti/nicola/lavoro]
$ cd /home/kali/studenti/matteo

(kali@ kali)-[~/studenti/matteo]
$ ls -la
total 8
drwxr-xr-x 2 kali kali 4096 Jun 20 16:13 .
drwxr-xr-x 5 kali kali 4096 Jun 20 15:33 ...
```

```
total 44
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Desktop
drwxr-xr-x 2 kali kali 4096 Jun 18 13:45 Documents
drwxr-xr-x 2 kali kali 4096 Jun 20 15:26 dos
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Downloads drwxr-xr-x 2 kali kali 4096 May 25 16:53 Music
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Pictures
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Public
drwxr-xr-x 5 kali kali 4096 Jun 20 15:33 studenti
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Templates
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Videos
drwxr-xr-x 2 kali kali 4096 Jun 20 15:27 windows
  —(kali⊕kali)-[~]
s rm -vrf dos studenti windows
removed directory 'dos'
removed 'studenti/anna/.casa/relazione.doc'
removed 'studenti/anna/.casa/compito.doc'
removed directory 'studenti/anna/.casa'
removed directory 'studenti/anna'
removed directory 'studenti/matteo'
removed 'studenti/nicola/lavoro/pippo.txt'
removed directory 'studenti/nicola/lavoro' removed 'studenti/nicola/scuola/compito.doc'
removed directory 'studenti/nicola/scuola'
removed directory 'studenti/nicola'
removed directory 'studenti'
removed directory 'windows'
  -(kali⊕kali)-[~]
_$ ls -l
total 32
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Desktop
drwxr-xr-x 2 kali kali 4096 Jun 18 13:45 Documents
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Downloads
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Music
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Pictures
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Public
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Templates
drwxr-xr-x 2 kali kali 4096 May 25 16:53 Videos
```

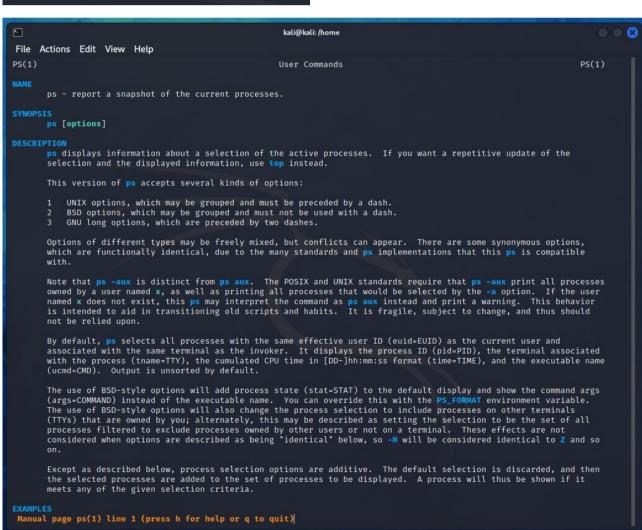
```
—(kali⊕kali)-[~]
14:54:41 up 1:11, 1 user, load average: 0.07, 0.07, 0.06
                 FROM
USER
        TTY
                                   LOGINO
                                           IDLE
                                                  JCPU PCPU WHAT
kali
                                   Tue15
                                           23:35m 8.77s 0.41s xfce4-session
        ttv7
                  :0
__(kali⊕ kali)-[~]

$ who
kali
                     2023-06-20 15:20 (:0)
        tty7
  -(kali⊛kali)-[~]
_s whoami
kali
```

2.

```
___(kali⊕ kali)-[~]

$\frac{1}{5}\text{ jobs}
```



```
File Actions Edit View Help

KILL(1)

User Commands

KILL(1)

NAME

kill - send a signal to a process

SYMODESS

KILL [options] 
pid> [...]

DESCRIPTION

The default signal for kill is TERM. Use -l or -l to list available signals. Particularly useful signals include HUP, INT, KILL, STOP, COMT, and 0. Alternate signals may be specified in three ways: -9, -3IGKILL or -KILL. Negative PID values may be used to choose whole process groups; see the PGID column in ps command output. A PID of -l is special; it indicates all processes except the kill process itself and init.

OPTIONS

opid> [...]
Send signal to every 
pid> listed.

-<signal -
-<signal -
-<signal -
-<signal -
-signal (signal)
Specify the signal to be sent. The signal can be specified by using name or number. The behavior of signals is explained in signal(7) manual page.

-q, -queue value

Use sigueuee(3) rather than kill(2) and the value argument is used to specify an integer to be sent with the signal. If the receiving process has installed a handler for this signal using the &SalGiNFO flag to signaction(2), then it can obtain this data via the siz-value field of the signife() structure.

-l, -list [signal]
List signal names. This option has optional argument, which will convert signal number to signal name, or other way round.

-t, -table
List signal names in a nice table.

NOTES Your shell (command line interpreter) may have a built-in kill command. You may need to run the command described here as /bin/kill to solve the conflict.

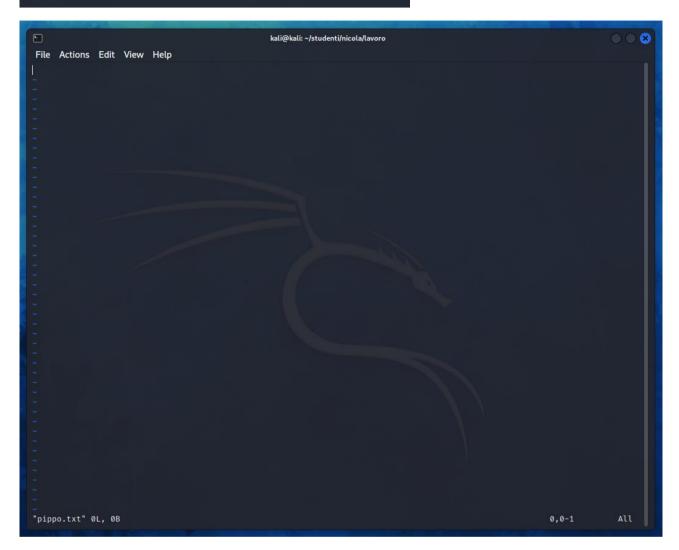
EXAMPLES

kill -9-1
Kill all processes you can kill.

kill -1:1
Translate number 1:1 into a signal name.

Mamual page kill(1) line 1 (press h for help or q to quit)
```

## \_\_\_\_(kali⊗ kali)-[~/studenti/nicola/lavoro] \$ vi pippo.txt



4.

```
PID TTY
                 TIME CMD
             00:00:00 systemd
             00:00:00 kthreadd
             00:00:00 rcu_gp
             00:00:00 rcu_par_gp
00:00:00 slub_flushwq
             00:00:00 netns
             00:00:00 kworker/0:0H-events_highpri
 10 ?
             00:00:00 mm_percpu_wq
 11 ?
             00:00:00 rcu_tasks_kthread
12 ?
             00:00:00 rcu_tasks_rude_kthread
13 ?
             00:00:00 rcu_tasks_trace_kthread
 14 ?
             00:00:00 ksoftirqd/0
             00:00:00 rcu_preempt
 16 ?
             00:00:00 migration/0
 18 ?
             00:00:00 cpuhp/0
```

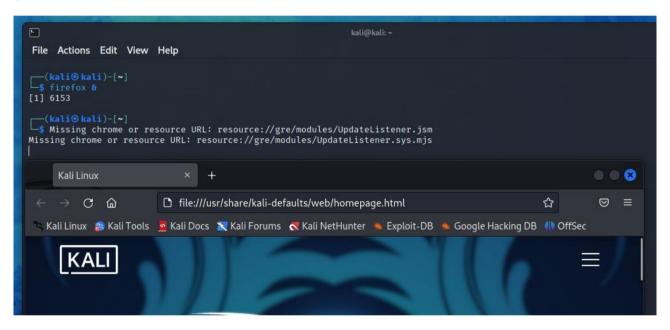
5.

```
4850 ? 00:00:00 kworker/0:2-ata_sff
4885 pts/0 00:00:00 vi
4890 ? 00:00:01 qterminal
4893 pts/1 00:00:00 zsh
4948 ? 00:00:00 kworker/0:1-ata_sff
5030 pts/1 00:00:00 ps

(kali@ kali)-[~]
$ kill 4885
```

zsh: terminated vi pippo.txt 4948 7

6.



8.

```
F
                                                                                                                                                                                                            File Actions Edit View Help
 File Actions Edit View Help
                                                                                                                                                                                                                                                    00:00:00 qterminal
[1] 6454 (kali)-[~]
                                                                                                                                                                                                                 5598 pts/0
6125 ?
6127 ?
6454 pts/0
                                                                                                                                                                                                                                                    00:00:00 zsh
00:00:00 kworker/1:2-events
                                                                                                                                                                                                                                                   00:00:00 kworker/1:2-events
00:00:00 kworker/1:3-events
00:00:01 firefox-esr
00:00:00 Socket Process
00:00:00 Privileged Cont
00:00:00 file:// Content
                                                                                                                                                                                                                 6518 pts/0
6559 pts/0
6590 pts/0
(kali®kali)-[~]
$ Missing chrome or resource URL: resource://gre/modules/UpdateListener.jsm
Missing chrome or resource URL: resource://gre/modules/UpdateListener.sys.mjs
fg firefox
[1] + running firefox
Exiting due to channel error.
                                                                                                                                                                                                                  6611 pts/0
6700 pts/0
                                                                                                                                                                                                                                                    00:00:00 WebExtensions
00:00:00 Web Content
                                                                                                                                                                                                                                                    00:00:00 Web Content
00:00:00 Web Content
                                                                                                                                                                                                                 6706 pts/0
6753 ?
                                                                                                                                                                                                                                                     00:00:00 qterminal
Exiting due to channel error.
zsh: terminated firefox
                                                                                                                                                                                                                  6756 pts/1
6835 pts/1
                                                                                                                                                                                                                                                    00:00:00 zsh
                                                                                                                                                                                                                                                    00:00:00 ps
                                                                                                                                                                                                          ___(kali⊛ kali)-[~]

$ kill 6454
```

```
__(kali⊛kali)-[~]
$ df -h
Filesystem
                         Used Avail Use% Mounted on
                  Size
udev
                  947M
                          0 947M
                                       0% /dev
tmpfs
                         924K 197M
                  198M
                                        1% /run
                                       1% / 18% / 0% /dev/shm 0% /run/lock 1% /run/user/1000
/dev/sda1
                   79G
                                62G
                          13G
                           0 987M
0 5.0M
tmpfs
                  987M
tmpfs
                  5.0M
tmpfs
                  198M
                           76K 198M
```