Esercizio SHELL LINUX

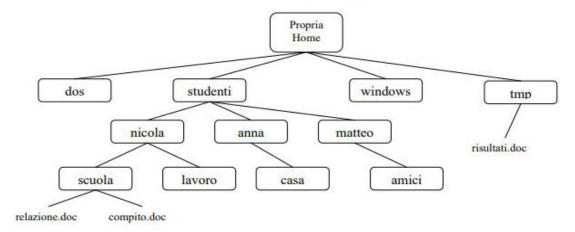
Traccia

Collegarsi al sistema con utenza e password

Esercizio 1

Come prima cosa creare le seguenti cartelle e sottocartelle (usando i comandi "terminale" mkdir cd rmdir ... a partire dalla propria HOME e visualizzarle a video:

(Per "Propria home" si intende il posto dove vi posiziona quanto aprite il terminale!)



Ti trovi nella directory **lavoro** (sotto nicola), scrivere il comando per passare alla directory **casa** (sotto anna) con percorso relativo e percorso assoluto.

- a) Copia il file compito.doc (dalla directory scuola) nella directory corrente (casa).
- b) Sposta il file relazione.doc nella directory corrente (casa).
- c) Cancella la cartella \tmp
- d) Creare il file pippo.txt nella cartella lavoro
- e) Cambiare gli attributi del file pippo.txt e renderlo scrivibile e leggibile solo per il proprietario, mentre per tutti gli altri solo leggibile...
- f) Nascondere il contenuto della cartella anna
- g) Spostarsi nella cartella lavoro e visualizzare il contenuto del file pippo.txt
- h) Rimuovere la cartella amici
- i) Rimuovere tutte le cartelle precedentemente create

Esercizio Parte 1:

Iniziamo dalla creazione delle cartelle e dei file doc all'interno delle directory:

```
File Actions Edit View Help

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```

Passiamo ai diversi punti richiesti dall'esercizio. In ordine di richiesta:

Percorso da cartella lavoro a cartella casa

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

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

Copia doc in altra cartella

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

Sposta doc in altra cartella

Rimuovi cartella tmp con file

```
(kali⊕ kali)-[~]

$\frac{\sudo}{\sudo} \text{rm} - \text{rmp}
```

Creazione file pippo.txt

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

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

Attributi file pippo.txt

```
(kali@ kali)-[~/studenti/nicola/lavoro]
$ ls -l pippo.txt
-rw-r--r- 1 root root 19 Jan 17 12:31 pippo.txt
```

Nascondere cartella

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

Visualizzare contenuto file pippo.txt

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

(kali@ kali)-[~/studenti/nicola/lavoro]
$ cat pippo.txt
ciao Pippo come va
```

Rimuovere cartella amici

```
(kali@kali)-[~/studenti/matteo]
s rm -r amici
```

Esercizio Parte 2:

Comandi w-who-who am i

```
File Actions Edit View Help

(kali@kali)-[~]

y vi pippo

(kali@kali)-[~]

(kali@kali)-[~]

w

14:32:36 up 2:50, 1 user, load average: 0.09, 0.09, 0.09

USER TTY FROM LOGIND IDLE JCPU PCPU WHAT

kali tty7 :0 11:43 2:50m 2:59 0.54s xfce4-session

(kali@kali)-[~]

who

kali tty7 2024-01-09 11:43 (:0)

(kali@kali)-[~]

who am i
```

Manuale Kill

Manuale ps

```
File Actions Edit View Help

PS(1)

User Commands

PS(1)

NAME

ps - report a snapshot of the current processes.

SYNOPSIS

ps [options]

DESCRIPTION

ps displays information about a selection of the active processes. If you want a repetitive update of the selection and the displayed information, use top instead.

This version of ps accepts several kinds of options:

1 UNIX options, which may be grouped and must be preceded by a dash.
2 BSO options, which may be grouped and must be used with a dash.
3 GNU long options, which may be grouped and must not be used with a dash.
4 Options of different types may be freely mixed, but conflicts can appear. There are some synonymous options, which are functionally identical, due to the many standards and ps implementations that this ps is compatible with.

Note that ps -aux is distinct from ps aux. The POSIX and UNIX standards require that ps -aux print all processes owned by a user named x, as well as printing all processes that would be selected by the -a option. If the user named x does not exist, this ps may interpret the command as ps aux instead and print a warning. This behavior is intended to aid in transitioning old scripts and habits. It is fragile, subject to change, and thus should not be relied upon.

By default, ps selects all processes with the same effective user ID (euid-PID), the terminal associated with the same terminal as the invoker. It displays the process ID (pid-PID), the terminal associated with the process (tname-TTY), the cumulated CPU time in [00-]hh:mm:ss format (time-TIME), and the executable name (ucmd-CMD). Output is unsorted by default.

The use of BSD-style options will add process state (stat-STAT) to the default display and show the command args (args-COMMAND) instead of the executable name. You can override this with the PS_FORMAT environment variable. The use of BSD-style options will also change the process Selection to include processon on other terminals (TTYS) that are owned by you; alternately, this may be described as setting
```

Processo vi Pippo + Kill processo

Lancio firefox in background

```
[3] 34225 [*] [*] [*]
```

Firefox in background (già lo era al momento del lancio di prima)

```
(kali@ kali)-[~]
  bg firefox
bg: job already in background
```

Firefox processo + kill processo

```
File Actions Edit View Help

File Actions Edit View Help

kali 1419 945 0 12206 7 00:00:000 /usr/libexec/gyfs-mfp-volume-monitor

kali 1419 945 0 12206 7 00:00:000 /usr/libexec/gyfs-mfp-volume-monitor

kali 1425 945 0 12206 7 00:00:000 /usr/libexec/gyfs-mfp-volume-monitor

kali 1425 945 0 12206 7 00:00:000 /usr/libexec/gyfs-mfp-volume-monitor

file Actions Edit View Help

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file Actions Edit View Help

kali 1425 945 0 12206 7 00:00:000 /usr/libexec/gyf-aff-cvolume-monitor

file Actions Edit View Help

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file Actions Edit View Help

kali 1425 945 0 12206 7 00:00:000 /usr/libexec/gyf-action-monitor

file Actions Edit View Help

kali 1425 945 0 12206 7 00:00:000 /usr/libexec/gyf-action-monitor

file Actions Edit View Help

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kali 1425 945 0 12206 7 00:00:000 /usr/libexec/gyf-action-monitor

file Actions
```

Memoria disco

```
File Actions Edit View Help

(kali® kali)-[~]

$ df -h

Filesystem Size Used Avail Use% Mounted on
udev 945M 0 945M 0% /dev

tmpfs 197M 992K 196M 1% /run
/dev/sda1 796 156 606 20% /

tmpfs 984M 0 984M 0% /dev/shm

tmpfs 5.0M 0 5.0M 0% /run/lock

tmpfs 197M 112K 197M 1% /run/user/1000
```