# REPORT ORICCHIO ANTONIO

ESERCIZIO W5D1
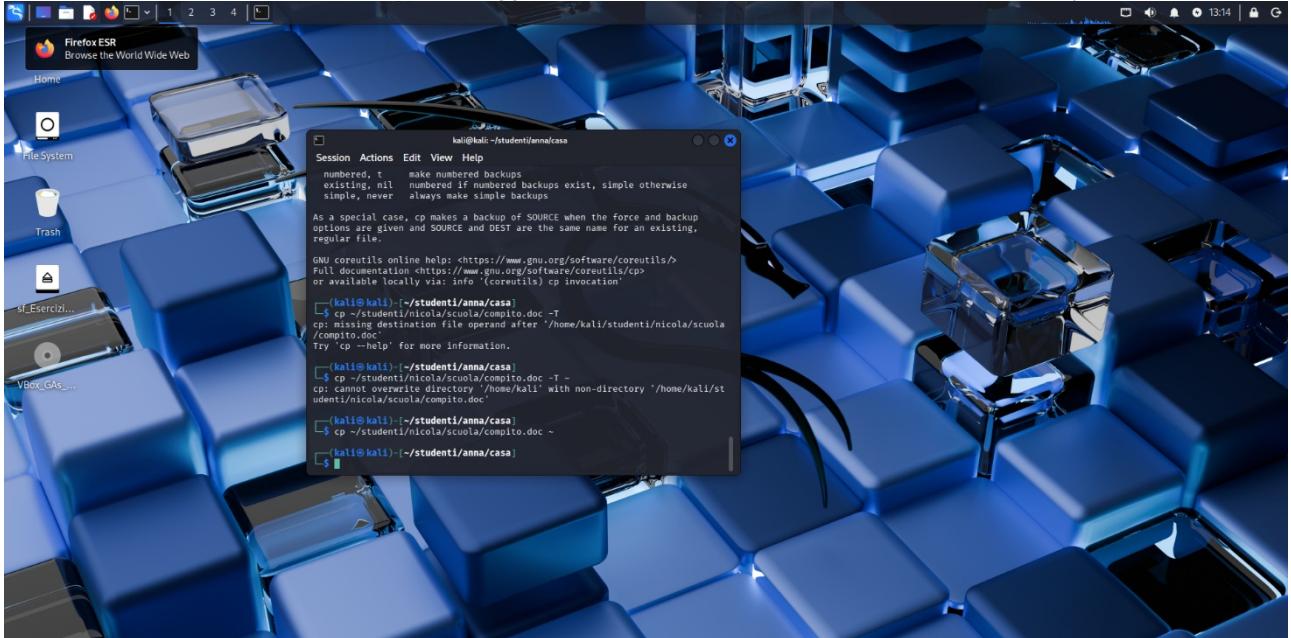
L'esercizio chiedeva di creare una struttura di cartelle usando il terminale linux, di giocarci spostando file ed eliminando cartelle e provare vari comandi. Inoltre chiedeva di installare Visual Studio code e il pacchetto gdb
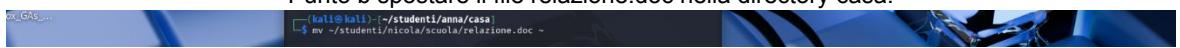
Ho iniziato dalla creazione delle directory e delle sottocartelle, visualizzandole a schermo per vedere se tutto fosse corretto
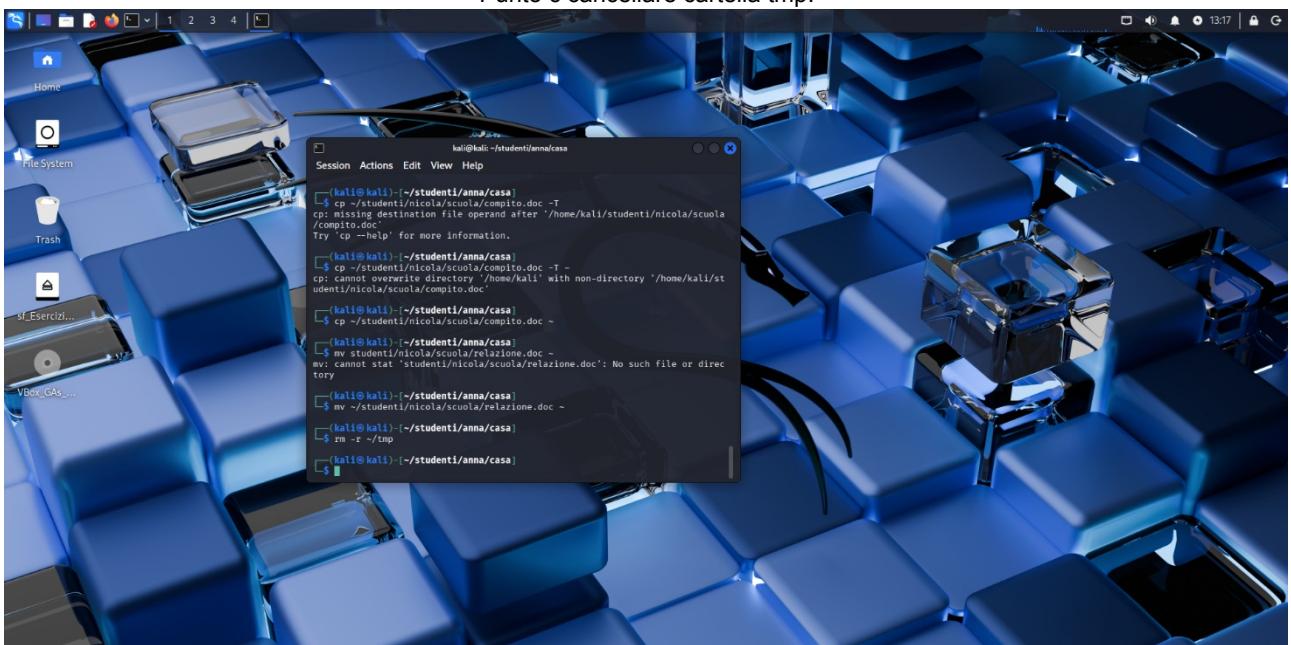
Poi ho iniziato con il primo passaggio, ovvero la copia del file compito.doc nella directory casa:
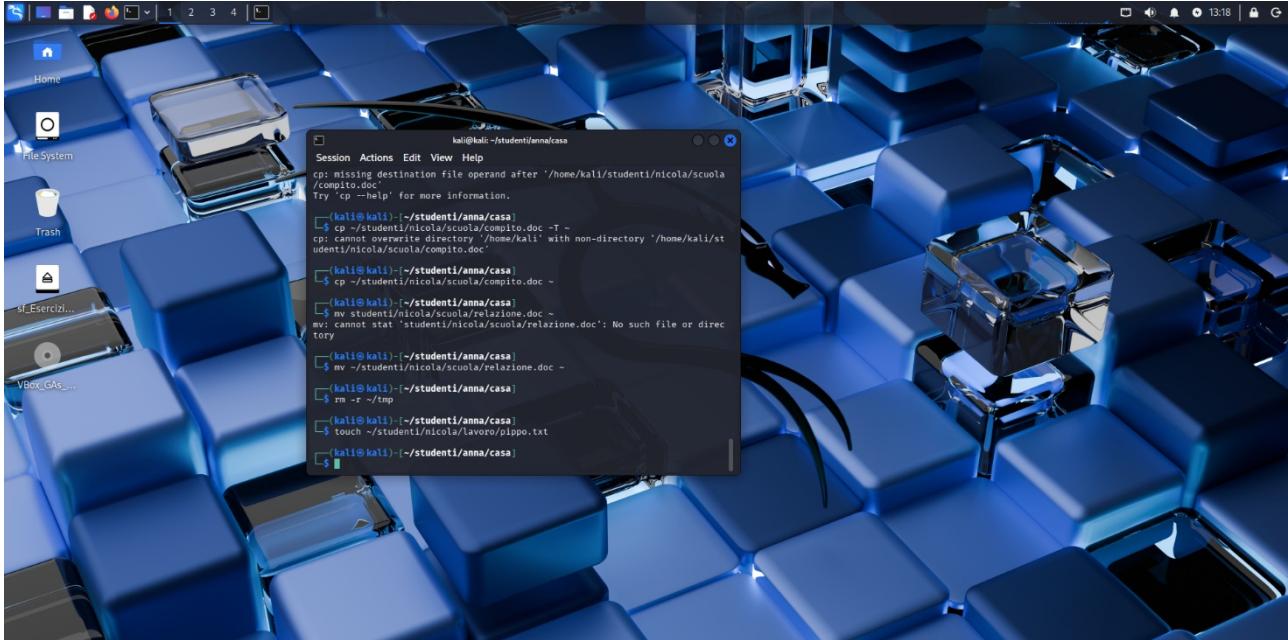
Punto b spostare il file relazione.doc nella directory casa:
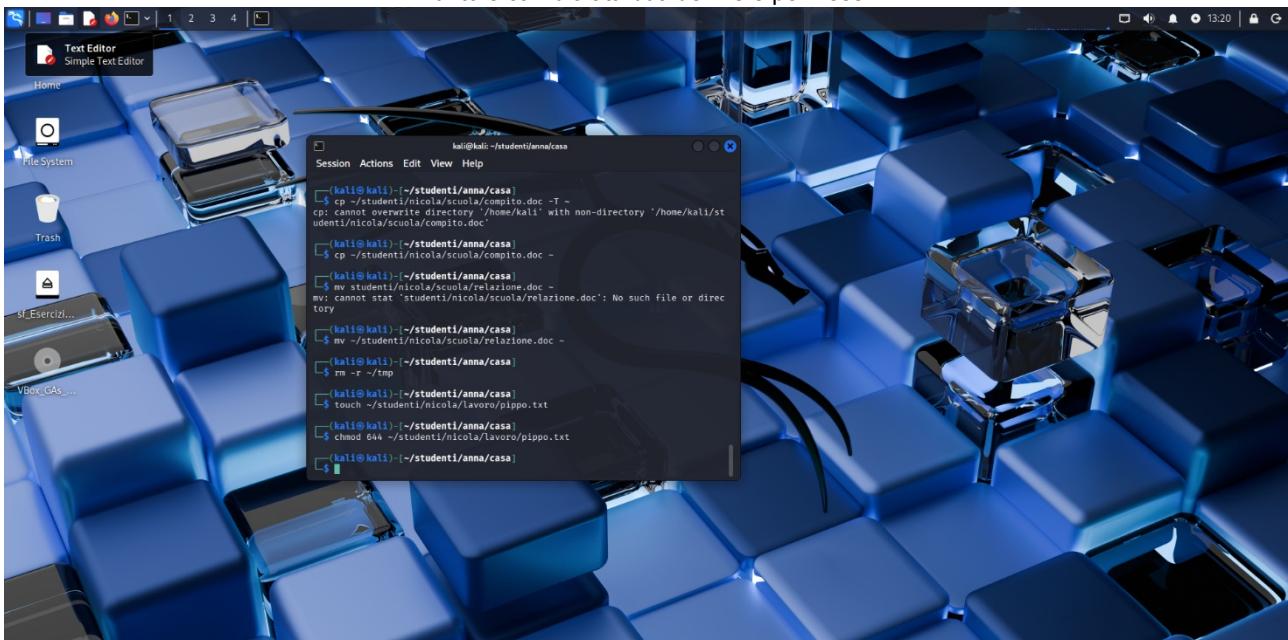
Punto c cancellare cartella tmp:
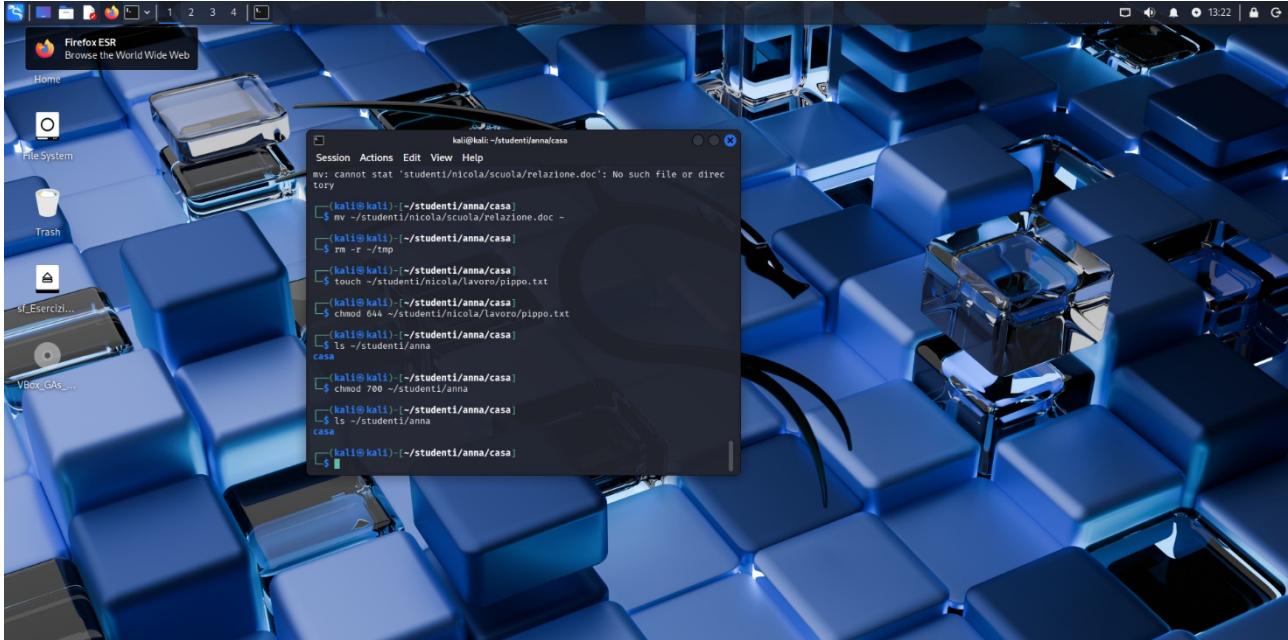
Punto d creazione file pippo.txt nella cartella lavoro:
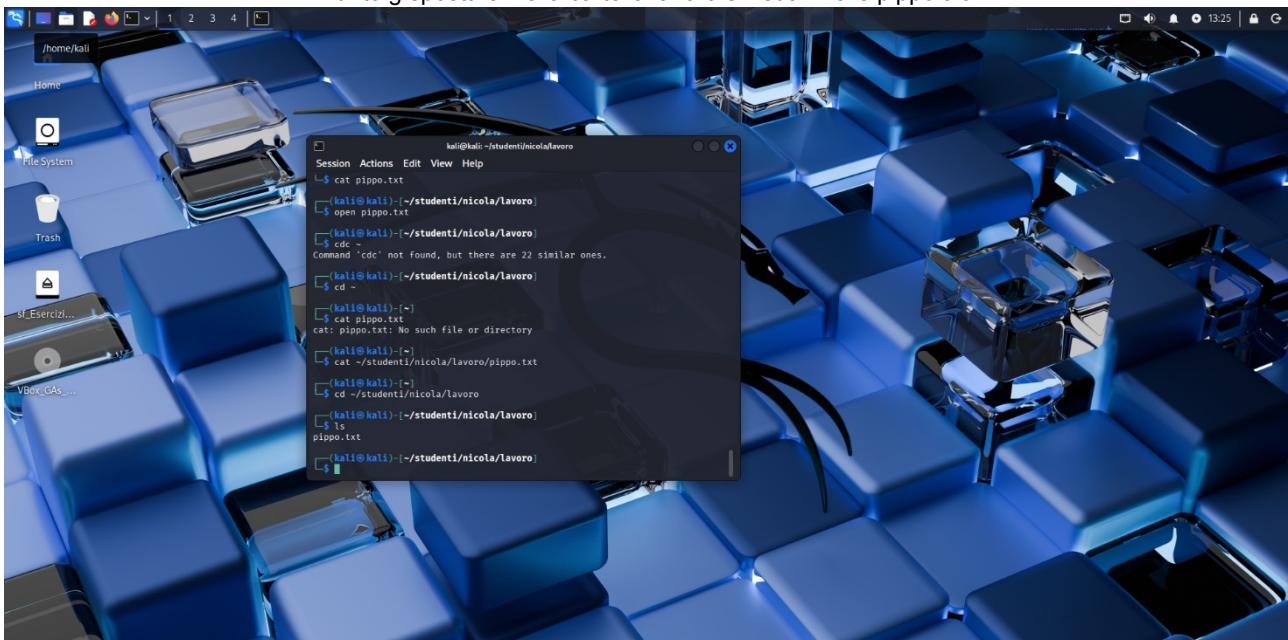
Punto e cambio attributi del file e permessi:

Punto f nascondere il contenuto della cartella anna:
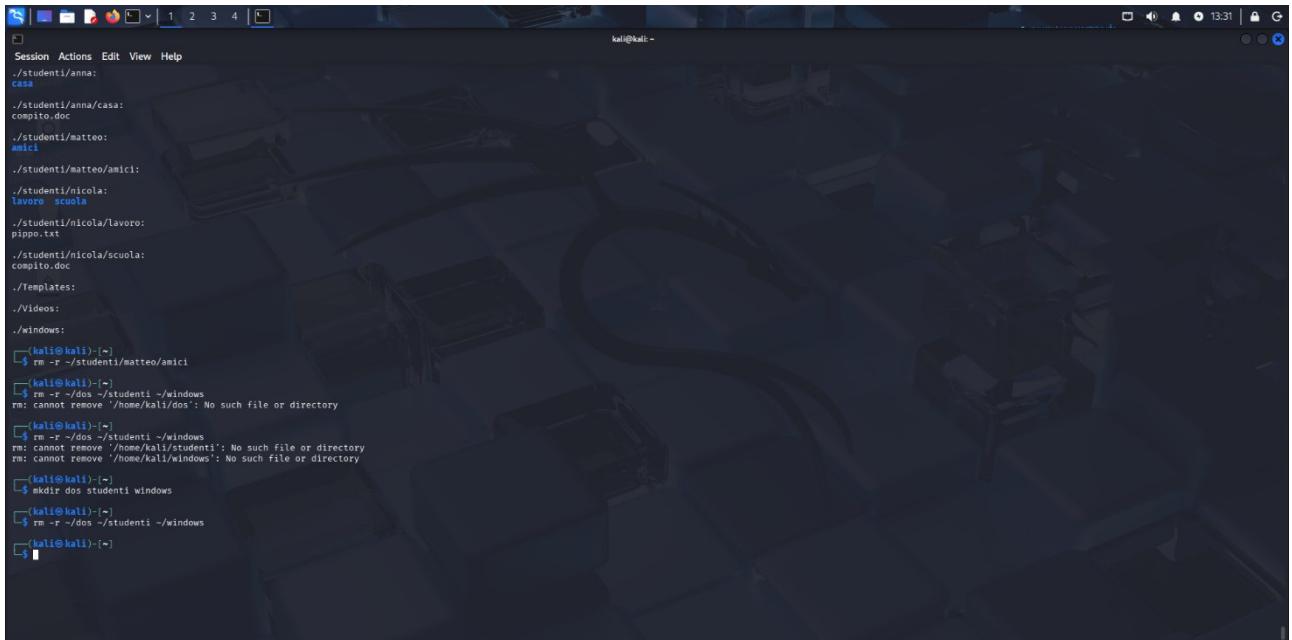
Punto g spostarsi nella cartella lavoro e visualizzare pippo.txt:

Punto h rimozione cartella amici:

Punto i eliminazione di tutta la directory:

Prova comandi w, who, whoami

W = Ci mostra chi è connesso, da dove, da quanto e quale comando sta eseguendo.

WHO = Simile a W ma molto meno dettagliato

WHOAMI = mostra l'utente che sta utilizzando il terminale.

Poi:

1 Aprire un terminale

2 leggere manuale dei comandi jobs,ps e kill

3 lanciare comando vi

4 visualizzare tutti i processi in un nuovo terminale

5 cercare di killare processo vi

6-7 firefox in background

8 kill firefox

9 verificare spazio occupato su disco.

```
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   BSD options, which may be grouped and must not be
           used with a dash.
       3   GNU long  options,  which  are  preceded  by  two
           dashes.

       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.

       By  default,  ps  selects all processes with the same
       effective user ID (euid=EUID) as the current user and
       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  [DD-]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
       processes  on other terminals (TTYs) that are owned by
       you; alternately, this may be described as setting
       the selection to be the set of all processes filtered
       to exclude processes owned by other users or not on a
       terminal.  These  effects  are  not  considered  when
       options  are described as being "identical" below, so
       -N will be considered identical to Z and so on.

       Except as described below, process selection  options
       are  additive.   The  default selection is discarded,
       and then the selected processes are added to the  set
       of processes to be displayed.  A process will thus be
       shown  if  it  meets  any  of the  given  selection
       criteria.

EXAMPLES
       To see every process on the system using standard
       syntax:
            ps -e
            ps -ef
            ps -eF
            ps -ely
Manual page ps(1) line 1 (press h for help or q to quit)
```

```
kali       1198  0.0  0.0  10892    584 ?        Ss   08:42   0:00 /usr/bin/ssh-agent -s
kali       1207  0.0  0.1  90164   3536 ?        SLsl 08:42   0:00 /usr/bin/gpg-agent --supervised
kali       1210  0.6  4.9 561424 100252 ?       Sl   08:42   0:25 xfwm4
kali       1215  0.0  0.3 313156   7768 ?        Ssl  08:42   0:00 /usr/libexec/gvfsd
kali       1221  0.0  0.3 398708   7500 ?        Sl   08:42   0:00 /usr/libexec/gvfsd-fuse /run/user/1000/gvfs -f
kali       1235  0.0  0.9 348404  19032 ?        Sl   08:42   0:00 xfsettingsd
kali       1241  0.0  0.3 165576   6284 ?        Ssl  08:42   0:00 /usr/libexec/dconf-service
kali       1242  0.0  2.4 519084  49032 ?        Sl   08:42   0:01 xfce4-panel
kali       1248  0.0  0.8 485944  16164 ?        Sl   08:42   0:00 Thunar --daemon
kali       1258  0.0  2.9 730516  59852 ?        Sl   08:42   0:02 xfdesktop
kali       1263  0.0  2.0 447160  40612 ?        Sl   08:42   0:01 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libwhiskermenu.so 1 23068679 whiskermenu Whisker Menu Show a menu to easi
kali       1268  0.1  1.7 297020  35608 ?        Sl   08:42   0:05 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libcpugraph.so 13 23068684 cpugraph CPU Graph Graphical representation of
kali       1269  0.0  1.0 420452  20316 ?        Sl   08:42   0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libsystray.so 14 23068685 systray Status Tray Plugin Provides status noti
kali       1270  0.1  0.9 272888  19912 ?        Sl   08:42   0:07 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libgenmon.so 15 23068686 genmon Generic Monitor Show output of a command.
kali       1271  0.0  1.1 360064  22648 ?        Sl   08:42   0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libpulseaudio-plugin.so 16 23068687 pulseaudio PulseAudio Plugin Adjust t
kali       1272  0.0  0.9 425052  19992 ?        Sl   08:42   0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libnotification-plugin.so 17 23068688 notification-plugin Notification Pl
kali       1273  0.0  0.9 285928  19512 ?        Sl   08:42   0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libxfce4powermanager.so 18 23068689 power-manager-plugin Power Manager Pl
kali       1276  0.0  1.2 425320  24804 ?        Sl   08:42   0:00 /usr/lib/x86_64-linux-gnu/xfce4/panel/wrapper-2.0 /usr/lib/x86_64-linux-gnu/xfce4/panel/plugins/libactions.so 22 23068690 actions Action Buttons Log out, lock or other s
kali       1313  0.0  0.4 455956   8212 ?        Sl   08:42   0:00 xiccd
kali       1313  0.0  0.4 318916  10088 ?        Ssl  08:42   0:00 /usr/libexec/upowerd
root       1332  0.0  0.7  66484  16056 ?        S    08:42   0:00 /usr/bin/python3 /usr/share/system-config-printer/applet.py
kali       1340  0.0  0.6 265520  13284 ?        Sl   08:42   0:00 /usr/libexec/polkit-mate-authentication-agent-1
colord     1341  0.0  0.7 317384  15048 ?        Ssl  08:42   0:00 /usr/libexec/colord
kali       1353  0.0  1.6 281628  32772 ?        Sl   08:42   0:00 xfce4-screensaver
kali       1357  0.0  0.8 416484  17860 ?        Ssl  08:42   0:00 /usr/lib/x86_64-linux-gnu/xfce4/notifyd/xfce4-notifyd
kali       1358  0.0  1.0 521312  21976 ?        Sl   08:42   0:00 nm-applet
kali       1372  0.0  0.3 308876   6508 ?        Sl   08:42   0:00 /usr/libexec/geoclue-2.0/demos/agent
kali       1373  0.0  0.6 405820  14032 ?        Sl   08:42   0:00 xfce4-power-manager
kali       1390  0.0  1.0 605652  20900 ?        Sl   08:42   0:00 /usr/bin/python3 /usr/bin/blueman-applet
kali       1419  0.0  0.1  12760   2248 ?        Ssl  08:42   0:00 xcape -e Super_L Control_L Escape
kali       1497  0.0  0.8 378904  17068 ?        Ssl  08:42   0:00 /usr/libexec/bluetooth/obexd
kali       1504  0.0  0.5 538468  11224 ?        Ssl  08:42   0:00 /usr/libexec/gvfs-udisks2-volume-monitor
root       1508  0.0  0.6 478568  13516 ?        Ssl  08:42   0:00 /usr/libexec/udisks2/udisksd
kali       1528  0.0  0.3 309188   7228 ?        Ssl  08:42   0:00 /usr/libexec/gvfs-gphoto2-volume-monitor
kali       1533  0.0  0.4 390128   8804 ?        Ssl  08:42   0:00 /usr/libexec/gvfs-afc-volume-monitor
kali       1539  0.0  0.3 308168   7024 ?        Ssl  08:42   0:00 /usr/libexec/gvfs-goa-volume-monitor
kali       1544  0.0  0.3 308220   6932 ?        Ssl  08:42   0:00 /usr/libexec/gvfs-mtp-volume-monitor
kali       1553  0.0  0.3 169168   6716 ?        Ssl  08:42   0:00 /usr/libexec/gvfsd-metadata
kali       1557  0.0  0.4 534568   8960 ?        Sl   08:42   0:00 /usr/libexec/gvfsd-trash --spawner :1.24 /org/gtk/gvfs/exec_spaw/0
kali       1747  0.0  0.8 639224  17980 ?        Ssl  08:43   0:00 /usr/libexec/xdg-desktop-portal
kali       1763  0.0  0.3 309048   7016 ?        Ssl  08:43   0:00 /usr/libexec/xdg-permission-store
kali       1769  0.0  0.3 613748   7252 ?        Sl   08:43   0:00 /usr/libexec/xdg-document-portal
root       1775  0.0  0.1   2796   1940 ?        Ss   08:43   0:00 fusermount3 -o rw,nosuid,nodev,fsname=portal,auto_unmount,subtype=portal -- /run/user/1000/doc
kali       1787  0.0  0.8 479776  16172 ?        Ssl  08:43   0:00 /usr/libexec/xdg-desktop-portal-gtk
root      14643  0.0  0.0      0      0 ?        I    09:06   0:00 [kworker/u8:5-events_unbound]
root      18042  0.0  0.0      0      0 ?        I    09:13   0:01 [kworker/0:2-ata_sff]
root      25830  0.0  0.0      0      0 ?        I    09:30   0:00 [kworker/1:2-events]
root      30602  0.0  0.0      0      0 ?        I    09:39   0:00 [kworker/0:0-ata_sff]
root      30828  0.0  0.0      0      0 ?        I    09:40   0:00 [kworker/1:0-ata_sff]
root      31387  0.0  0.0      0      0 ?        I    09:41   0:00 [kworker/u8:0-kvfree_rcu_reclaim]
root      33329  0.0  0.0      0      0 ?        I    09:45   0:00 [kworker/0:1-events]
root      33634  0.0  0.0      0      0 ?        I    09:45   0:00 [kworker/1:1-ata_sff]
kali      33813  1.4  3.7 663180  74820 ?        Sl   09:45   0:01 /usr/bin/qterminal
kali      33820  0.0  0.3  10632   6608 pts/0    Ss   09:45   0:00 /usr/bin/zsh
kali      33863  0.0  0.5  15892  10668 pts/0    Sl+  09:46   0:00 vi pippo
root      33970  0.0  0.3  16808   6768 ?        S    09:46   0:00 systemd-userwork: waiting ...
root      33987  0.0  0.3  16808   6648 ?        S    09:46   0:00 systemd-userwork: waiting ...
root      33988  0.0  0.3  16808   6640 ?        S    09:46   0:00 systemd-userwork: waiting ...
kali      34103  0.2  0.3  10636   6676 pts/1    Ss   09:46   0:00 /usr/bin/zsh
kali      34408  0.2  0.2   9804   4396 pts/1    R+   09:47   0:00 ps aux
┌──(kali㉿kali)-[~]
└─$ kill 33863

┌──(kali㉿kali)-[~]
└─$
```
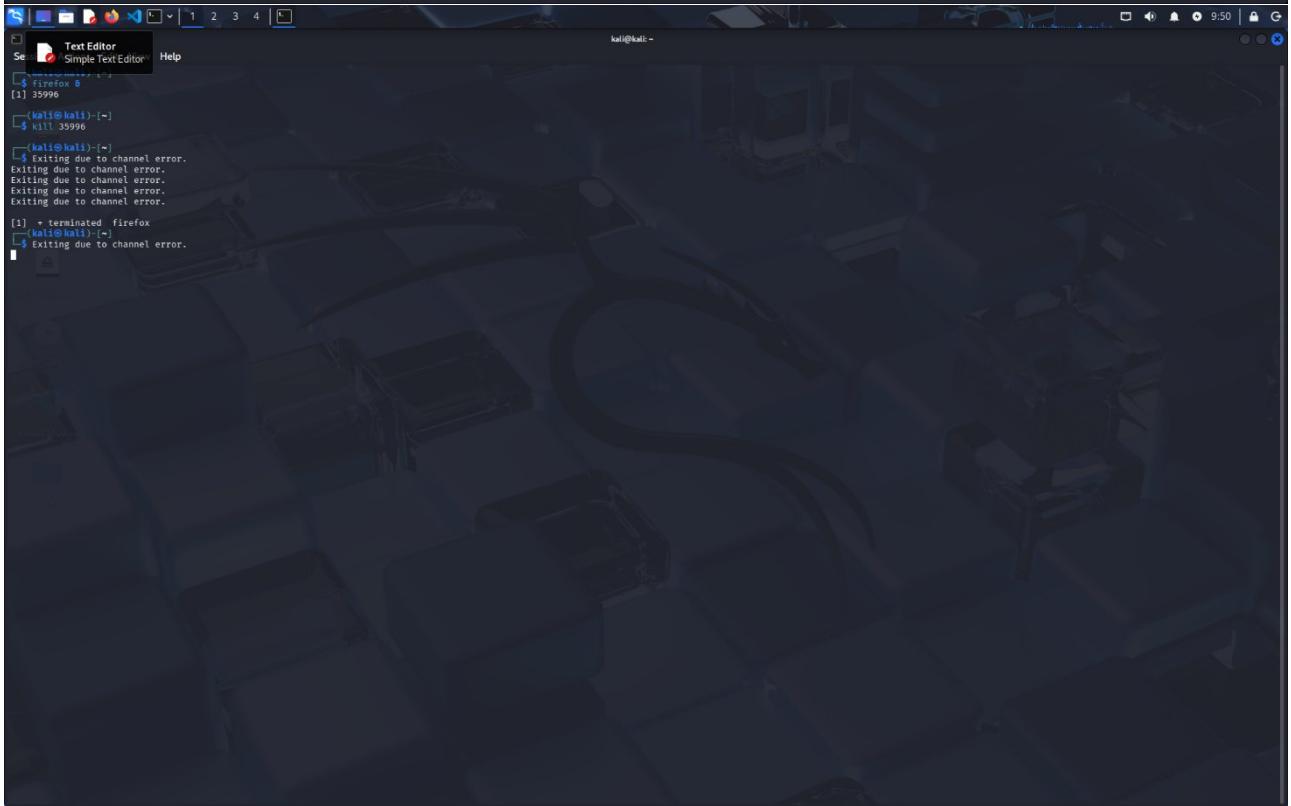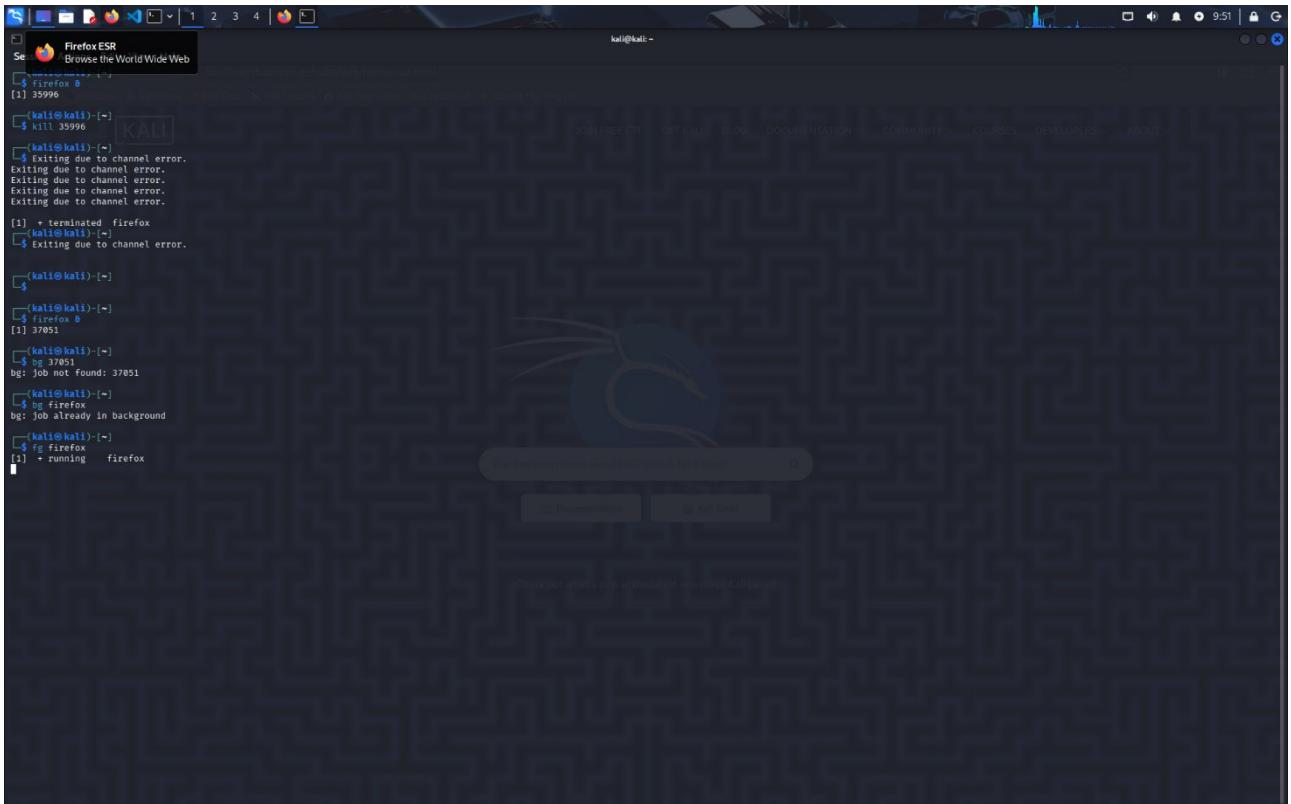
```
┌──(kali@kali)-[~]
└─$ pa aux
pa: command not found

┌──(kali@kali)-[~]
└─$ ps aux
USER         PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.0  0.7  24972 15248 ?        Ss   08:42   0:00 /sbin/init splash
root           2  0.0  0.0      0     0 ?        S    08:42   0:00 [kthreadd]
root           3  0.0  0.0      0     0 ?        S    08:42   0:00 [pool_workqueue_release]
root           4  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-rcu_gp]
root           5  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-sync_wq]
root           6  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-kvfree_rcu_reclaim]
root           7  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-slub_flushwq]
root           8  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-netns]
root          10  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/0:0H-events_highpri]
root          13  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-mm_percpu_wq]
root          14  0.0  0.0      0     0 ?        S    08:42   0:00 [ksoftirqd/0]
root          15  0.0  0.0      0     0 ?        I    08:42   0:00 [rcu_preempt]
root          16  0.0  0.0      0     0 ?        S    08:42   0:00 [rcu_exp_par_gp_kthread_worker/0]
root          17  0.0  0.0      0     0 ?        S    08:42   0:00 [rcu_exp_gp_kthread_worker]
root          18  0.0  0.0      0     0 ?        S    08:42   0:00 [migration/0]
root          19  0.0  0.0      0     0 ?        S    08:42   0:00 [idle_inject/0]
root          20  0.0  0.0      0     0 ?        S    08:42   0:00 [cpuhp/0]
root          21  0.0  0.0      0     0 ?        S    08:42   0:00 [cpuhp/1]
root          22  0.0  0.0      0     0 ?        S    08:42   0:00 [idle_inject/1]
root          23  0.0  0.0      0     0 ?        S    08:42   0:00 [migration/1]
root          24  0.0  0.0      0     0 ?        S    08:42   0:00 [ksoftirqd/1]
root          26  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/1:0H-events_highpri]
root          29  0.0  0.0      0     0 ?        S    08:42   0:00 [kdevtmpfs]
root          30  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-inet_frag_wq]
root          31  0.0  0.0      0     0 ?        I    08:42   0:00 [rcu_tasks_kthread]
root          32  0.0  0.0      0     0 ?        I    08:42   0:00 [rcu_tasks_rude_kthread]
root          33  0.0  0.0      0     0 ?        I    08:42   0:00 [rcu_tasks_trace_kthread]
root          34  0.0  0.0      0     0 ?        S    08:42   0:00 [kauditd]
root          35  0.0  0.0      0     0 ?        S    08:42   0:00 [khungtaskd]
root          36  0.0  0.0      0     0 ?        S    08:42   0:00 [oom_reaper]
root          37  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-writeback]
root          38  0.0  0.0      0     0 ?        I    08:42   0:00 [kworker/u8:2-ext4-rsv-conversion]
root          39  0.0  0.0      0     0 ?        S    08:42   0:00 [kcompactd0]
root          40  0.0  0.0      0     0 ?        SN   08:42   0:00 [ksmd]
root          41  0.0  0.0      0     0 ?        SN   08:42   0:00 [khugepaged]
root          42  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-kblockd]
root          43  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-blkcg_punt_bio]
root          44  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-kintegrityd]
root          45  0.0  0.0      0     0 ?        S    08:42   0:00 [irq/9-acpi]
root          47  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-tpm_dev_wq]
root          48  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-edac-poller]
root          49  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-devfreq_wq]
root          50  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-quota_events_unbound]
root          51  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/0:1H-kblockd]
root          52  0.1  0.0      0     0 ?        S    08:42   0:04 [kswapd0]
root          53  0.0  0.0      0     0 ?        I    08:42   0:01 [kdamond.0]
root          56  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-kthrotld]
root          57  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-acpi_thermal_pm]
root          58  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-mld]
root          60  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-ipv6_addrconf]
root          61  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-kstrp]
root          68  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/u9:0-ttm]
root         157  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/1:1H-kblockd]
root         195  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-ata_sff]
root         196  0.0  0.0      0     0 ?        S    08:42   0:00 [scsi_eh_0]
root         197  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-scsi_tmf_0]
root         198  0.0  0.0      0     0 ?        S    08:42   0:00 [scsi_eh_1]
root         199  0.0  0.0      0     0 ?        I<   08:42   0:00 [kworker/R-scsi_tmf_1]
root         200  0.0  0.0      0     0 ?        S    08:42   0:00 [scsi_eh_2]
```

```
┌──(kali@kali)-[~]
└─$ firefox &
[1] 35996

┌──(kali@kali)-[~]
└─$
```

```
┌──(kali㉿kali)-[~]
└─$ firefox &
[1] 35996

┌──(kali㉿kali)-[~]
└─$ kill 35996

┌──(kali㉿kali)-[~]
└─$ Exiting due to channel error.
Exiting due to channel error.
Exiting due to channel error.
Exiting due to channel error.
Exiting due to channel error.

[1]  + terminated  firefox
┌──(kali㉿kali)-[~]
└─$ Exiting due to channel error.

┌──(kali㉿kali)-[~]
└─$

┌──(kali㉿kali)-[~]
└─$ firefox &
[1] 37051

┌──(kali㉿kali)-[~]
└─$ bg 37051
bg: job not found: 37051

┌──(kali㉿kali)-[~]
└─$ bg firefox
bg: job already in background

┌──(kali㉿kali)-[~]
└─$ fg firefox
[1]  + running    firefox
```

```
└─$ firefox &
[1] 35996

┌──(kali㉿kali)-[~]
└─$ kill 35996

┌──(kali㉿kali)-[~]
└─$ Exiting due to channel error.
Exiting due to channel error.
Exiting due to channel error.
Exiting due to channel error.
Exiting due to channel error.

[1]  + terminated  firefox
┌──(kali㉿kali)-[~]
└─$ Exiting due to channel error.
```

```
┌──(kali㉿kali)-[~]
└─$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            883M     0  883M   0% /dev
tmpfs           198M  960K  197M   1% /run
/dev/sda1        79G   24G   51G  32% /
tmpfs           986M  4.0K  986M   1% /dev/shm
none            1.0M     0  1.0M   0% /run/credentials/systemd-journald.service
tmpfs           986M  8.0K  986M   1% /tmp
Esercizi_corso  1.9T  1.3T  593G  69% /media/sf_Esercizi_corso
none            1.0M     0  1.0M   0% /run/credentials/getty@tty1.service
tmpfs           198M  104K  198M   1% /run/user/1000

┌──(kali㉿kali)-[~]
└─$
```

Qui troviamo l' editor di testo del file pippo lanciato dal comando 'vi'

-- INSERT --   11,73   All

Applications
Session Actions Edit View Help
┌──(kali㉿kali)-[~]
└─$ vi pippo

Come ultimo passaggio ho installato visual studio e gdb