root@NitheidoUbuntu: /home/nitheido

```
root@NitheidoUbuntu:/home/nitheido# sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following NEW packages will be installed:
  ubuntu-pro-client-l10n
The following packages will be upgraded:
  alsa-ucm-conf apparmor apt apt-utils base-files coreutils distro-info distro-info-data dns-root-data dnsmasq-base evince evince-common firmware-sof-signed fonts-noto-color-emoji gdm3 gir1.2-gdm-1.0
  gir1.2-mutter-10 gnome-remote-desktop initramfs-tools initramfs-tools-bin initramfs-tools-core iptables irqbalance libapparmor1 libapt-pkg6.0 libcryptsetup12 libegl-mesa0 libevdocument3-4 libevview3-3
  libfprint-2-2 libgbm1 libgdm1 libgl1-mesa-dri libglapi-mesa libglx-mesa0 libip4tc2 libip6tc2 libmm-glib0 libmutter-10-0 libnetplan0 libsgutils2-2 libxatracker2 libxtables12 linux-firmware
  mesa-vulkan-drivers modemmanager mutter-common netplan.io openvpn python-apt-common python3-apt python3-distro-info python3-distupgrade python3-software-properties python3-update-manager
  software-properties-common software-properties-gtk systemd-hwe-hwdb thermald transmission-common transmission-gtk tzdata ubuntu-advantage-tools ubuntu-drivers-common ubuntu-release-upgrader-core
  ubuntu-release-upgrader-gtk unzip update-manager update-manager-core xserver-xorg-video-amdgpu
70 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 224 kB/314 MB of archives.
After this operation, 73.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://gb.archive.ubuntu.com/ubuntu jammy-updates/main amd64 ubuntu-advantage-tools amd64 30~22.04 [204 kB]
Get:2 http://gb.archive.ubuntu.com/ubuntu jammy-updates/main amd64 ubuntu-pro-client-l10n amd64 30~22.04 [20.3 kB]
Fetched 224 kB in 2s (107 kB/s)
Extracting templates from packages: 100%
Preconfiguring packages ...
(Reading database ... 205321 files and directories currently installed.)
Preparing to unpack .../base-files_12ubuntu4.6_amd64.deb ...
Unpacking base-files (12ubuntu4.6) over (12ubuntu4.4) ...
Setting up base-files (12ubuntu4.6) ...
Installing new version of config file /etc/issue ...
Installing new version of config file /etc/issue.net ...
Installing new version of config file /etc/lsb-release ...
Installing new version of config file /etc/update-motd.d/10-help-text ...
motd-news.service is a disabled or a static unit not running, not starting it.
(Reading database ... 205321 files and directories currently installed.)
Preparing to unpack .../coreutils_8.32-4.1ubuntu1.1_amd64.deb ...
Unpacking coreutils (8.32-4.1ubuntu1.1) over (8.32-4.1ubuntu1) ...
Setting up coreutils (8.32-4.1ubuntu1.1) ...
(Reading database ... 205321 files and directories currently installed.)
Preparing to unpack .../libapt-pkg6.0_2.4.11_amd64.deb ...
Unpacking libapt-pkg6.0:amd64 (2.4.11) over (2.4.9) ...
Setting up libapt-pkg6.0:amd64 (2.4.11) ...
(Reading database ... 205321 files and directories currently installed.)
Preparing to unpack .../archives/apt_2.4.11_amd64.deb ...
Unpacking apt (2.4.11) over (2.4.9) ...
Setting up apt (2.4.11) ...
(Reading database ... 205319 files and directories currently installed.)
Preparing to unpack .../00-apt-utils_2.4.11_amd64.deb ...
Unpacking apt-utils (2.4.11) over (2.4.9) ...
Preparing to unpack .../01-irqbalance_1.8.0-1ubuntu0.2_amd64.deb ...
Unpacking irqbalance (1.8.0-1ubuntu0.2) over (1.8.0-1build1) ...
Preparing to unpack .../02-python-apt-common_2.4.0ubuntu3_all.deb ...
Unpacking python-apt-common (2.4.0ubuntu3) over (2.4.0ubuntu2) ...
Preparing to unpack .../03-distro-info-data_0.52ubuntu0.6_all.deb ...
Unpacking distro-info-data (0.52ubuntu0.6) over (0.52ubuntu0.4) ...
Preparing to unpack .../04-python3-apt_2.4.0ubuntu3_amd64.deb ...
Unpacking python3-apt (2.4.0ubuntu3) over (2.4.0ubuntu2) ...
Preparing to unpack .../05-ubuntu-drivers-common_1%3a0.9.6.2~0.22.04.6_amd64.deb ...
```

```
Setting up python3-distro-info (1.1ubuntu0.2) ...
Setting up initramfs-tools-bin (0.140ubuntu13.4) ...
Setting up libfprint-2-2:amd64 (1:1.94.3+tod1-0ubuntu2~22.04.06) ...
Setting up distro-info (1.1ubuntu0.2) ...
Setting up iptables (1.8.7-1ubuntu5.2) ...
Setting up python3-apt (2.4.0ubuntu3) ...
Setting up libevview3-3:amd64 (42.3-0ubuntu3.1) ...
Setting up libgl1-mesa-dri:amd64 (23.2.1-1ubuntu3.1~22.04.2) ...
Setting up libegl-mesa0:amd64 (23.2.1-1ubuntu3.1~22.04.2) ...
Setting up transmission-gtk (3.00-2ubuntu2.1) ...
Setting up python3-software-properties (0.99.22.9) ...
Setting up evince (42.3-0ubuntu3.1) ...
Installing new version of config file /etc/apparmor.d/usr.bin.evince ...
Setting up ubuntu-advantage-tools (30~22.04) ...
Removing obsolete conffile /etc/ubuntu-advantage/help_data.yaml ...
Setting up initramfs-tools-core (0.140ubuntu13.4) ...
Setting up ubuntu-pro-client-l10n (30~22.04) ...
Setting up libglx-mesa0:amd64 (23.2.1-1ubuntu3.1~22.04.2) ...
Setting up initramfs-tools (0.140ubuntu13.4) ...
update-initramfs: deferring update (trigger activated)
Setting up ubuntu-drivers-common (1:0.9.6.2~0.22.04.6) ...
Setting up software-properties-common (0.99.22.9) ...
Setting up software-properties-gtk (0.99.22.9) ...
Setting up python3-distupgrade (1:22.04.19) ...
Setting up ubuntu-release-upgrader-core (1:22.04.19) ...
Setting up python3-update-manager (1:22.04.18) ...
Setting up ubuntu-release-upgrader-gtk (1:22.04.19) ...
Setting up update-manager-core (1:22.04.18) ...
Setting up update-manager (1:22.04.18) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for cracklib-runtime (2.9.6-3.4build4) ...
Processing triggers for plymouth-theme-ubuntu-text (0.9.5+git20211018-1ubuntu3) ...
update-initramfs: deferring update (trigger activated)
Processing triggers for dbus (1.12.20-2ubuntu4.1) ...
Processing triggers for shared-mime-info (2.1-2) ...
Processing triggers for udev (249.11-0ubuntu3.12) ...
Processing triggers for install-info (6.8-4build1) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
Processing triggers for fontconfig (2.13.1-4.2ubuntu5) ...
Processing triggers for desktop-file-utils (0.26-1ubuntu3) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...
Processing triggers for libglib2.0-0:amd64 (2.72.4-0ubuntu2.2) ...
Processing triggers for libc-bin (2.35-0ubuntu3.6) ...
Setting up libmutter-10-0:amd64 (42.9-0ubuntu5) ...
Setting up gir1.2-gdm-1.0:amd64 (42.0-1ubuntu7.22.04.4) ...
Setting up gir1.2-mutter-10:amd64 (42.9-0ubuntu5) ...
Setting up gnome-remote-desktop (42.9-0ubuntu0.22.04.1) ...
Setting up gdm3 (42.0-1ubuntu7.22.04.4) ...
Processing triggers for initramfs-tools (0.140ubuntu13.4) ...
update-initramfs: Generating /boot/initrd.img-6.5.0-18-generic
Processing triggers for libc-bin (2.35-0ubuntu3.6) ...
root@NitheidoUbuntu:/home/nitheido#
```

```
root@NitheidoUbuntu:/home/nitheido# pwd
/home/nitheido
root@NitheidoUbuntu:/home/nitheido#
```
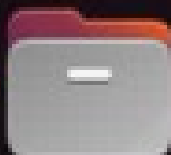
```
nitheido@NitheidoUbuntu:~$ cd /home/nitheido/Documents
nitheido@NitheidoUbuntu:~/Documents$ cd ..
nitheido@NitheidoUbuntu:~$ cd -
/home/nitheido/Documents
nitheido@NitheidoUbuntu:~/Documents$
```

nitheido@NitheidoUbuntu: ~/Pictures/Screenshots

```
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ cat /etc/crontab
# /etc/crontab: system-wide crontab
# Unlike any other crontab you don't have to run the `crontab'
# command to install the new version when you edit this file
# and files in /etc/cron.d. These files also have username fields,
# that none of the other crontabs do.

SHELL=/bin/sh
# You can also override PATH, but by default, newer versions inherit it from the environment
#PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin

# Example of job definition:
# .---------------- minute (0 - 59)
# |  .------------- hour (0 - 23)
# |  |  .---------- day of month (1 - 31)
# |  |  |  .------- month (1 - 12) OR jan,feb,mar,apr ...
# |  |  |  |  .---- day of week (0 - 6) (Sunday=0 or 7) OR sun,mon,tue,wed,thu,fri,sat
# |  |  |  |  |
# *  *  *  *  * user-name command to be executed
17 *    * * *   root    cd / && run-parts --report /etc/cron.hourly
25 6    * * *   root    test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.daily )
47 6    * * 7   root    test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.weekly )
52 6    1 * *   root    test -x /usr/sbin/anacron || ( cd / && run-parts --report /etc/cron.monthly )
#
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$
```

⊞   **nitheido@NitheidoUbuntu: ~/Pictures/Screenshots**

```
nitheido@NitheidoUbuntu:~/Documents$ cd /home/nitheido/Pictures/Screenshots
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ ls
 LinuxPracticeProj1.png    LinuxPracticeProj4.png                      'Screenshot from 2024-02-23 04-40-10.png'
 LinuxPracticeProj2.png   'Screenshot from 2024-02-22 19-58-18.png'
 LinuxPracticeProj3.png   'Screenshot from 2024-02-22 19-59-43.png'
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ cp LinuxPracticeProj1.png TestCopy1.png
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ ls
 LinuxPracticeProj1.png    LinuxPracticeProj4.png                      'Screenshot from 2024-02-23 04-40-10.png'
 LinuxPracticeProj2.png   'Screenshot from 2024-02-22 19-58-18.png'    TestCopy1.png
 LinuxPracticeProj3.png   'Screenshot from 2024-02-22 19-59-43.png'
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ mv TestCopy1.png NameThisBetter.png
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ ls
 LinuxPracticeProj1.png    LinuxPracticeProj4.png                      'Screenshot from 2024-02-22 19-59-43.png'
 LinuxPracticeProj2.png    NameThisBetter.png                          'Screenshot from 2024-02-23 04-40-10.png'
 LinuxPracticeProj3.png   'Screenshot from 2024-02-22 19-58-18.png'
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ 
```

nitheido@NitheidoUbuntu: ~/Pictures/Screenshots/1_LinuxProj

```
nitheido@NitheidoUbuntu:~$ pwd
/home/nitheido
nitheido@NitheidoUbuntu:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos
nitheido@NitheidoUbuntu:~$ cd Pictures
nitheido@NitheidoUbuntu:~/Pictures$ ls
Screenshots
nitheido@NitheidoUbuntu:~/Pictures$ cd Screenshots
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ ls
 LinuxPracticeProj1.png    LinuxPracticeProj4.png                     'Screenshot from 2024-02-22 19-59-43.png'
 LinuxPracticeProj2.png    NameThisBetter.png                         'Screenshot from 2024-02-23 04-40-10.png'
 LinuxPracticeProj3.png   'Screenshot from 2024-02-22 19-58-18.png'   'Screenshot from 2024-02-23 04-42-31.png'
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ mkdir 1_LinuxProj
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ ls
 1_LinuxProj               LinuxPracticeProj4.png                     'Screenshot from 2024-02-23 04-40-10.png'
 LinuxPracticeProj1.png    NameThisBetter.png                         'Screenshot from 2024-02-23 04-42-31.png'
 LinuxPracticeProj2.png   'Screenshot from 2024-02-22 19-58-18.png'
 LinuxPracticeProj3.png   'Screenshot from 2024-02-22 19-59-43.png'
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ mv *.png 1_LinuxProj
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ ls
1_LinuxProj
nitheido@NitheidoUbuntu:~/Pictures/Screenshots$ cd 1_LinuxProj
nitheido@NitheidoUbuntu:~/Pictures/Screenshots/1_LinuxProj$ ls
 LinuxPracticeProj1.png    LinuxPracticeProj4.png                     'Screenshot from 2024-02-22 19-59-43.png'
 LinuxPracticeProj2.png    NameThisBetter.png                         'Screenshot from 2024-02-23 04-40-10.png'
 LinuxPracticeProj3.png   'Screenshot from 2024-02-22 19-58-18.png'   'Screenshot from 2024-02-23 04-42-31.png'
nitheido@NitheidoUbuntu:~/Pictures/Screenshots/1_LinuxProj$
```

nitheido@NitheidoUbuntu: ~/Pictures/Screenshots/1_LinuxProj

```
nitheido@NitheidoUbuntu:~/Pictures/Screenshots/1_LinuxProj$ pwd
/home/nitheido/Pictures/Screenshots/1_LinuxProj
nitheido@NitheidoUbuntu:~/Pictures/Screenshots/1_LinuxProj$ ls
 LinuxPracticeProj1.png    LinuxPracticeProj4.png                    'Screenshot from 2024-02-22 19-59-43.png'
 LinuxPracticeProj2.png    NameThisBetter.png                        'Screenshot from 2024-02-23 04-40-10.png'
 LinuxPracticeProj3.png   'Screenshot from 2024-02-22 19-58-18.png'  'Screenshot from 2024-02-23 04-42-31.png'
nitheido@NitheidoUbuntu:~/Pictures/Screenshots/1_LinuxProj$ rm NameThisBetter.png
nitheido@NitheidoUbuntu:~/Pictures/Screenshots/1_LinuxProj$ ls
 LinuxPracticeProj1.png    LinuxPracticeProj4.png                    'Screenshot from 2024-02-23 04-40-10.png'
 LinuxPracticeProj2.png   'Screenshot from 2024-02-22 19-58-18.png'  'Screenshot from 2024-02-23 04-42-31.png'
 LinuxPracticeProj3.png   'Screenshot from 2024-02-22 19-59-43.png'
nitheido@NitheidoUbuntu:~/Pictures/Screenshots/1_LinuxProj$
```

nitheido@NitheidoUbuntu: ~/Documents

```
nitheido@NitheidoUbuntu:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos
nitheido@NitheidoUbuntu:~$ cd Documents
nitheido@NitheidoUbuntu:~/Documents$ touch web.htm
nitheido@NitheidoUbuntu:~/Documents$ touch sqlite_commands.sh
nitheido@NitheidoUbuntu:~/Documents$ ls
LinuxPracticeProj1.png  sqlite_commands.sh  web.htm
nitheido@NitheidoUbuntu:~/Documents$
```

nitheido@NitheidoUbuntu: ~/Documents

```
nitheido@NitheidoUbuntu:~/Documents$ find /home -name web.htm
/home/nitheido/Documents/web.htm
nitheido@NitheidoUbuntu:~/Documents$ find /home -name sql*sh
/home/nitheido/Documents/sqlite_commands.sh
nitheido@NitheidoUbuntu:~/Documents$ ls
LinuxPracticeProj1.png   sqlite_commands.sh   web.htm
nitheido@NitheidoUbuntu:~/Documents$
```

nitheido@NitheidoUbuntu: ~/Documents

```
nitheido@NitheidoUbuntu:~/Documents$ df -h -m
Filesystem      1M-blocks   Used Available Use% Mounted on
tmpfs                 391      2       390   1% /run
/dev/sda3           24519  13564      9685  59% /
tmpfs                1954      0      1954   0% /dev/shm
tmpfs                   5      1         5   1% /run/lock
/dev/sda2             512      7       506   2% /boot/efi
dareyio            476923 274409    202515  58% /media/sf_dareyio
tmpfs                 391      1       391   1% /run/user/1000
/dev/sr0               51     51         0 100% /media/nitheido/VBox_GAs_7.0.12
nitheido@NitheidoUbuntu:~/Documents$
```

nitheido@NitheidoUbuntu: ~/Documents

```
nitheido@NitheidoUbuntu:~/Documents$ df -h -m
Filesystem      1M-blocks    Used Available Use% Mounted on
tmpfs                 391       2       390   1% /run
/dev/sda3           24519   13565      9684  59% /
tmpfs                1954       0      1954   0% /dev/shm
tmpfs                   5       1         5   1% /run/lock
/dev/sda2             512       7       506   2% /boot/efi
dareyio            476923  274409    202515  58% /media/sf_dareyio
tmpfs                 391       1       391   1% /run/user/1000
/dev/sr0               51      51         0 100% /media/nitheido/VBox_GAs_7.0.12
nitheido@NitheidoUbuntu:~/Documents$ du /home/nitheido/documents
du: cannot access '/home/nitheido/documents': No such file or directory
nitheido@NitheidoUbuntu:~/Documents$ du /home/nitheido/Documents
352     /home/nitheido/Documents
nitheido@NitheidoUbuntu:~/Documents$ 
```

nitheido@NitheidoUbuntu: ~/Documents

```
nitheido@NitheidoUbuntu:~/Documents$ sudo head -10 /var/log/syslog
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] Linux version 6.5.0-18-generic (buildd@lcy02-amd64-070) (x86_64-linux-gnu-gcc-12 (Ubuntu 12.3.0-1ubu
ntu1~22.04) 12.3.0, GNU ld (GNU Binutils for Ubuntu) 2.38) #18~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Wed Feb  7 11:40:03 UTC 2 (Ubuntu 6.5.0-18.18~22.04.1-ge
neric 6.5.8)
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] Command line: BOOT_IMAGE=/boot/vmlinuz-6.5.0-18-generic root=UUID=35b249d6-492d-4c7b-9b18-bff4ec80fa
42 ro quiet splash
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] KERNEL supported cpus:
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   Intel GenuineIntel
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   AMD AuthenticAMD
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   Hygon HygonGenuine
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   Centaur CentaurHauls
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   zhaoxin   Shanghai
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] [Firmware Bug]: TSC doesn't count with P0 frequency!
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-provided physical RAM map:
nitheido@NitheidoUbuntu:~/Documents$ sudo tail -10 /var/log/syslog
Feb 24 10:05:21 NitheidoUbuntu systemd[2867]: Starting Tracker metadata extractor...
Feb 24 10:05:21 NitheidoUbuntu dbus-daemon[2892]: [session uid=1000 pid=2892] Successfully activated service 'org.freedesktop.Tracker3.Miner.Extract'
Feb 24 10:05:21 NitheidoUbuntu systemd[2867]: Started Tracker metadata extractor.
Feb 24 10:07:22 NitheidoUbuntu dbus-daemon[2892]: [session uid=1000 pid=2892] Activating via systemd: service name='org.freedesktop.Tracker3.Miner.Extract
' unit='tracker-extract-3.service' requested by ':1.11' (uid=1000 pid=2981 comm="/usr/libexec/tracker-miner-fs-3 " label="unconfined")
Feb 24 10:07:22 NitheidoUbuntu systemd[2867]: Starting Tracker metadata extractor...
Feb 24 10:07:22 NitheidoUbuntu dbus-daemon[2892]: [session uid=1000 pid=2892] Successfully activated service 'org.freedesktop.Tracker3.Miner.Extract'
Feb 24 10:07:22 NitheidoUbuntu systemd[2867]: Started Tracker metadata extractor.
Feb 24 10:08:43 NitheidoUbuntu systemd[1]: Starting Cleanup of Temporary Directories...
Feb 24 10:08:43 NitheidoUbuntu systemd[1]: systemd-tmpfiles-clean.service: Deactivated successfully.
Feb 24 10:08:43 NitheidoUbuntu systemd[1]: Finished Cleanup of Temporary Directories.
nitheido@NitheidoUbuntu:~/Documents$
```

```
nitheido@NitheidoUbuntu:~/Documents$ ls
LinuxPracticeProj1.png  sqlite_commands.sh  web.htm
nitheido@NitheidoUbuntu:~/Documents$ tar -cvf LinuxPracticeProj1.png /home/nitheido/Documents
tar: Removing leading `/' from member names
/home/nitheido/Documents/
/home/nitheido/Documents/sqlite_commands.sh
tar: /home/nitheido/Documents/LinuxPracticeProj1.png: file is the archive; not dumped
/home/nitheido/Documents/web.htm
nitheido@NitheidoUbuntu:~/Documents$ ls
LinuxPracticeProj1.png  sqlite_commands.sh  web.htm
nitheido@NitheidoUbuntu:~/Documents$
```
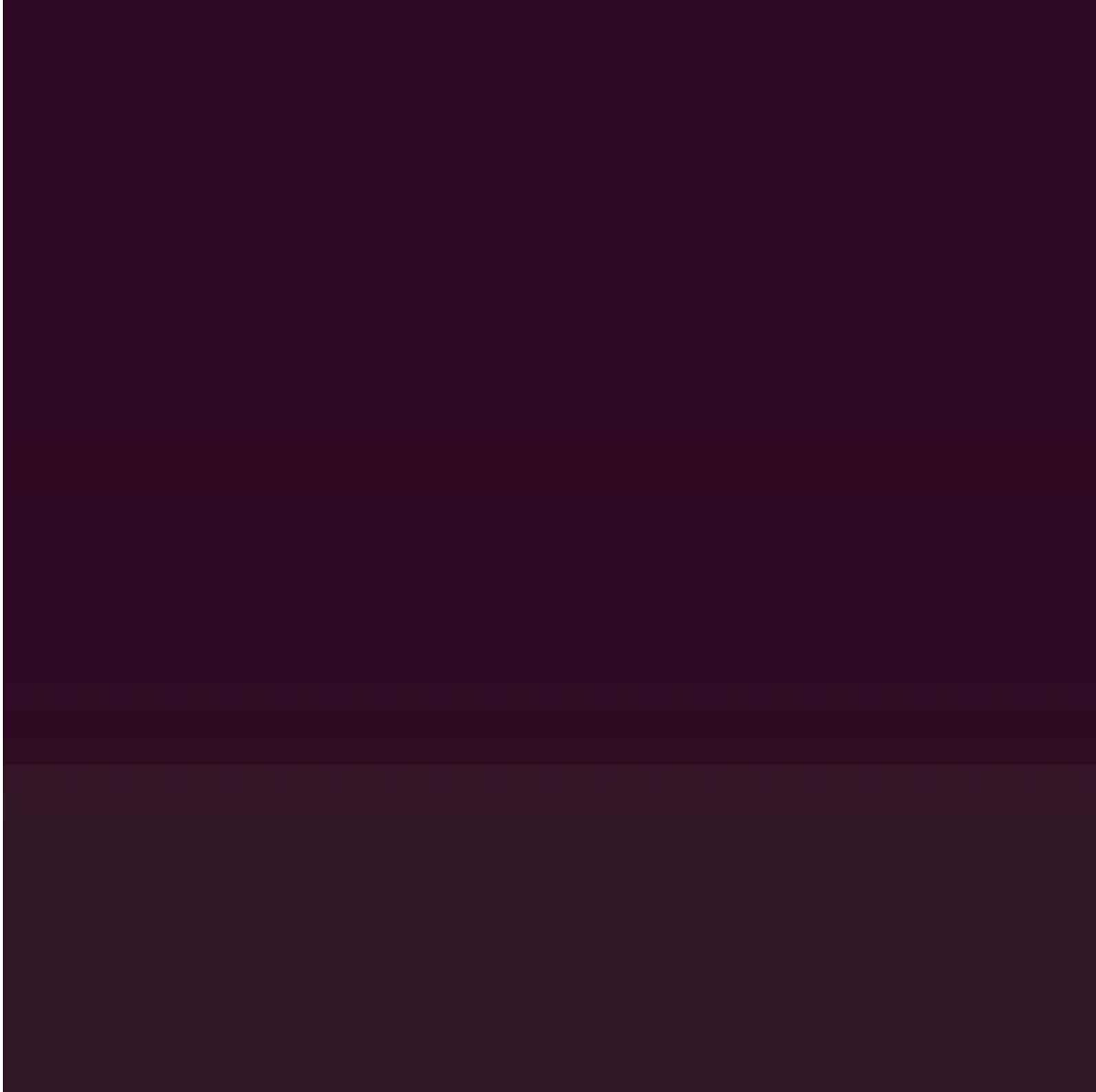
```
nitheido@NitheidoUbuntu:~/Documents$ ls
LinuxPracticeProj1.png  sqlite_commands.sh  web.htm
nitheido@NitheidoUbuntu:~/Documents$ chmod 777 sqlite_commands.sh
nitheido@NitheidoUbuntu:~/Documents$ 
```

nitheido@NitheidoUbuntu: ~/Documents

```
nitheido@NitheidoUbuntu:~/Documents$ ping google.com
PING google.com (192.178.54.78) 56(84) bytes of data.
64 bytes from tzjnba-af-in-f14.1e100.net (192.178.54.78): icmp_seq=1 ttl=115 time=106 ms
64 bytes from tzjnba-af-in-f14.1e100.net (192.178.54.78): icmp_seq=2 ttl=115 time=110 ms
64 bytes from tzjnba-af-in-f14.1e100.net (192.178.54.78): icmp_seq=3 ttl=115 time=114 ms
64 bytes from tzjnba-af-in-f14.1e100.net (192.178.54.78): icmp_seq=4 ttl=115 time=120 ms
64 bytes from tzjnba-af-in-f14.1e100.net (192.178.54.78): icmp_seq=5 ttl=115 time=108 ms
64 bytes from tzjnba-af-in-f14.1e100.net (192.178.54.78): icmp_seq=6 ttl=115 time=96.1 ms
64 bytes from tzjnba-af-in-f14.1e100.net (192.178.54.78): icmp_seq=7 ttl=115 time=97.8 ms
64 bytes from tzjnba-af-in-f14.1e100.net (192.178.54.78): icmp_seq=8 ttl=115 time=109 ms
^C
--- google.com ping statistics ---
8 packets transmitted, 8 received, 0% packet loss, time 8345ms
rtt min/avg/max/mdev = 96.133/107.696/120.427/7.463 ms
nitheido@NitheidoUbuntu:~/Documents$
```

⊞   **nitheido@NitheidoUbuntu: ~/Documents**   🔍

nitheido@NitheidoUbuntu:~/Documents$ uname
Linux
nitheido@NitheidoUbuntu:~/Documents$ uname -a
Linux NitheidoUbuntu 6.5.0-21-generic #21~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Fri Feb 9 13:32:52 UTC 2 x86_64 x86_64 x86_64 GNU/Linux
nitheido@NitheidoUbuntu:~/Documents$ uname -s
Linux
nitheido@NitheidoUbuntu:~/Documents$ ▊

nitheido@NitheidoUbuntu: ~/Documents

```
top - 10:20:31 up 26 min,  1 user,  load average: 0.11, 0.16, 0.11
Tasks: 208 total,   1 running, 207 sleeping,   0 stopped,   0 zombie
%Cpu(s):  3.2 us,  1.6 sy,  0.0 ni, 95.2 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem :   3906.7 total,   1389.1 free,    925.9 used,   1591.7 buff/cache
MiB Swap:   2680.0 total,   2680.0 free,      0.0 used.   2656.7 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
 3041 nitheido  20   0 5310200 447796 143928 S  18.8  11.2   1:07.85 gnome-shell
 2876 nitheido   9 -11 1422512  27224  21720 S   6.2   0.7   0:00.36 pulseaudio
    1 root      20   0  166608  11644   8188 S   0.0   0.3   0:01.01 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_gp
    5 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 slub_flushwq
    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/0:0H-events_highpri
   11 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
   12 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_kthread
   13 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
   14 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
   15 root      20   0       0      0      0 S   0.0   0.0   0:00.05 ksoftirqd/0
   16 root      20   0       0      0      0 I   0.0   0.0   0:00.48 rcu_preempt
   17 root      rt   0       0      0      0 S   0.0   0.0   0:00.01 migration/0
   18 root     -51   0       0      0      0 S   0.0   0.0   0:00.00 idle_inject/0
   19 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
   20 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/1
   21 root     -51   0       0      0      0 S   0.0   0.0   0:00.00 idle_inject/1
   22 root      rt   0       0      0      0 S   0.0   0.0   0:00.18 migration/1
   23 root      20   0       0      0      0 S   0.0   0.0   0:00.05 ksoftirqd/1
   25 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/1:0H-events_highpri
   26 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/2
   27 root     -51   0       0      0      0 S   0.0   0.0   0:00.00 idle_inject/2
   28 root      rt   0       0      0      0 S   0.0   0.0   0:00.17 migration/2
   29 root      20   0       0      0      0 S   0.0   0.0   0:00.05 ksoftirqd/2
   31 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/2:0H-events_highpri
   32 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/3
```

```
60  du /home/nitheido/documents
61  du /home/nitheido/Documents
62  clear
63  head -10 /var/log/syslog
64  sudo head -10 /var/log/syslog
65  clear
66  sudo head -10 /var/log/syslog
67  sudo tail -10 /var/log/syslog
68  clear
69  ls
70  tar -cvfu LinuxPracticeProj1.png /home/nitheido/Documents
71  ls
72  clear
73  ls
74  tar -cvf LinuxPracticeProj1.png /home/nitheido/Documents
75  ls
76  clear
77  ;s
78  clear
79  ls
80  chmod 777 sqlite_commands.sh
81  clear
82  jobs
83  jobs -l
84  c;ear
85  clear
86  ping google.com
87  clear
88  uname
89  uname -a
90  uname -s
91  clear
92  top
93  clear
94  history
```

nitheido@NitheidoUbuntu:~/Documents$

```
nitheido@NitheidoUbuntu:~/Documents$ man ls | head -n 20
LS(1)                                        User Commands                                        LS(1)

NAME
       ls - list directory contents

SYNOPSIS
       ls [OPTION]... [FILE]...

DESCRIPTION
       List information about the FILEs (the current directory by default).  Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

       Mandatory arguments to long options are mandatory for short options too.

       -a, --all
              do not ignore entries starting with .

       -A, --almost-all
              do not list implied . and ..

       --author
nitheido@NitheidoUbuntu:~/Documents$
```

```
nitheido@NitheidoUbuntu:~/Documents$ hostname -i
127.0.1.1
nitheido@NitheidoUbuntu:~/Documents$ hostname -A
NitheidoUbuntu
nitheido@NitheidoUbuntu:~/Documents$ hostname -a
NitheidoUbuntu
nitheido@NitheidoUbuntu:~/Documents$
```

nitheido@NitheidoUbuntu: ~/Documents

```
  GNU nano 6.2                                    /var/log/syslog
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] Linux version 6.5.0-18-generic (buildd@lcy02-amd64-070) (x86_64-linux-gnu-gcc-12 (Ubuntu 12.3.0-1ub>
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] Command line: BOOT_IMAGE=/boot/vmlinuz-6.5.0-18-generic root=UUID=35b249d6-492d-4c7b-9b18-bff4ec80f>
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] KERNEL supported cpus:
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   Intel GenuineIntel
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   AMD AuthenticAMD
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   Hygon HygonGenuine
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   Centaur CentaurHauls
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000]   zhaoxin   Shanghai
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] [Firmware Bug]: TSC doesn't count with P0 frequency!
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-provided physical RAM map:
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-e820: [mem 0x0000000000000000-0x000000000009fbff] usable
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-e820: [mem 0x000000000009fc00-0x000000000009ffff] reserved
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-e820: [mem 0x00000000000f0000-0x00000000000fffff] reserved
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-e820: [mem 0x0000000000100000-0x00000000dffeffff] usable
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-e820: [mem 0x00000000dfff0000-0x00000000dfffffff] ACPI data
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-e820: [mem 0x00000000fec00000-0x00000000fec00fff] reserved
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-e820: [mem 0x00000000fee00000-0x00000000fee00fff] reserved
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-e820: [mem 0x00000000fffc0000-0x00000000ffffffff] reserved
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] BIOS-e820: [mem 0x0000000100000000-0x000000011fffffff] usable
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] NX (Execute Disable) protection: active
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] SMBIOS 2.5 present.
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] DMI: innotek GmbH VirtualBox/VirtualBox, BIOS VirtualBox 12/01/2006
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] Hypervisor detected: KVM
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000000] kvm-clock: Using msrs 4b564d01 and 4b564d00
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000002] kvm-clock: using sched offset of 3881446338 cycles
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000006] clocksource: kvm-clock: mask: 0xffffffffffffffff max_cycles: 0x1cd42e4dffb, max_idle_ns: 8815905914>
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.000009] tsc: Detected 3293.816 MHz processor
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.001191] e820: update [mem 0x00000000-0x00000fff] usable ==> reserved
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.001195] e820: remove [mem 0x000a0000-0x000fffff] usable
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.001200] last_pfn = 0x120000 max_arch_pfn = 0x400000000
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.001215] MTRRs disabled by BIOS
Feb 21 23:30:43 NitheidoUbuntu kernel: [    0.001217] x86/PAT: Configuration [0-7]: WB  WC  UC- UC  WB  WP  UC- WT
                                              [ Read 27062 lines ]
^G Help      ^O Write Out    ^W Where Is     ^K Cut       ^T Execute    ^C Location    M-U Undo    M-A Set Mark    M-] To Bracket
^X Exit      ^R Read File    ^\ Replace      ^U Paste     ^J Justify    ^/ Go To Line  M-E Redo    M-6 Copy       ^Q Where Was
```

nitheido@NitheidoUbuntu: ~/Documents

```
nitheido@NitheidoUbuntu:~/Documents$ ps
    PID TTY          TIME CMD
   3646 pts/0    00:00:00 bash
   4468 pts/0    00:00:00 ps
nitheido@NitheidoUbuntu:~/Documents$
```