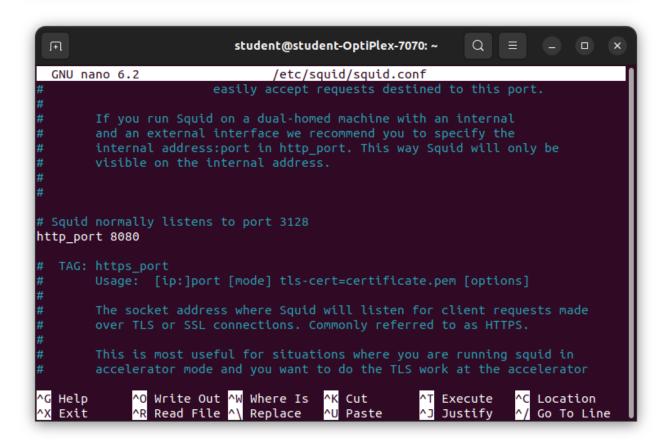
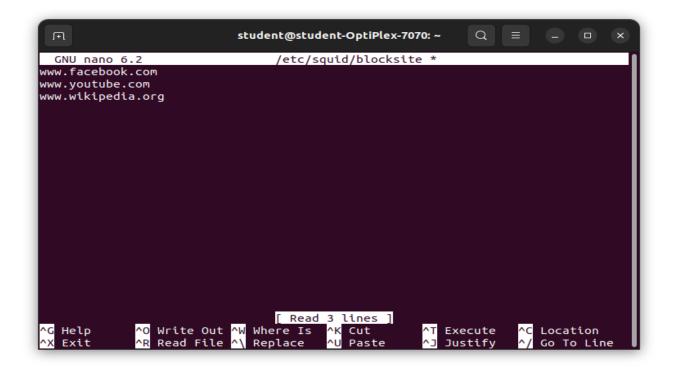
Name: Muhammad Hamza

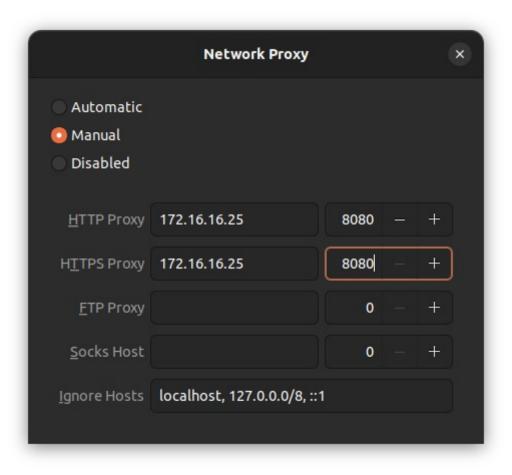
ID: 21k-3815 Sec: BS-SE-4A

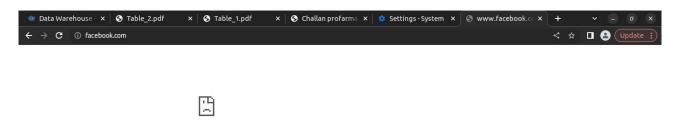
QUESTION 1

```
student@student-OptiPlex-7070: ~
                                                             a
                                                                            GNU nano 6.2
                                 /etc/squid/squid.conf
include /etc/squid/conf.d/*.conf
acl localnet src 172.16.16.65
acl blocksite dstdomain "/etc/squid/blocksite"
http_access deny blocksite
http_access allow localnet
# Example rule allowing access from your local networks.
# Adapt localnet in the ACL section to list your (internal) IP networks
# from where browsing should be allowed
#http_access allow localnet
http_access allow localhost
# And finally deny all other access to this proxy
http access deny all
   TAG: adapted http access
        Allowing or Denying access based on defined access lists
        Essentially identical to http_access, but runs after redirectors
             ^O Write Out <mark>^W</mark> Where Is
                                        ^K Cut
                                                     ^T Execute
                                                                   ^C Location
^G Help
   Exit
             ^R Read File ^\ Replace
                                        ^U
                                          Paste
                                                        Justify
                                                                      Go To Line
```





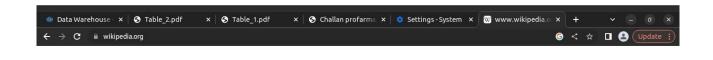




This site can't be reached

The webpage at https://www.facebook.com/ might be temporarily down or it may have moved permanently to a new web address.

ERR_TUNNEL_CONNECTION_FAILED





This site can't be reached

The webpage at https://www.wikipedia.org/ might be temporarily down or it may have moved permanently to a new web address.

ERR_TUNNEL_CONNECTION_FAILED

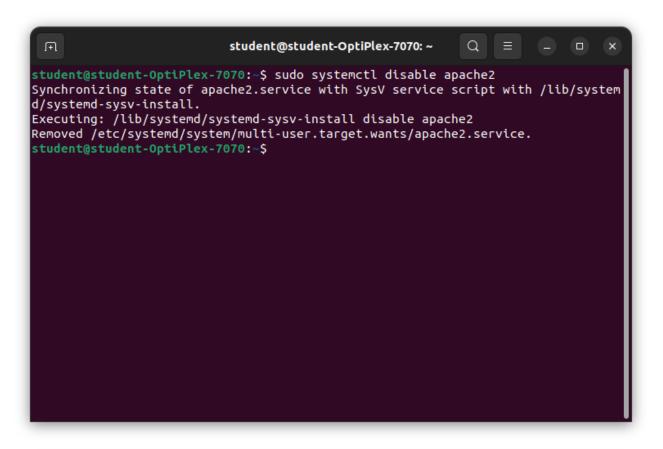


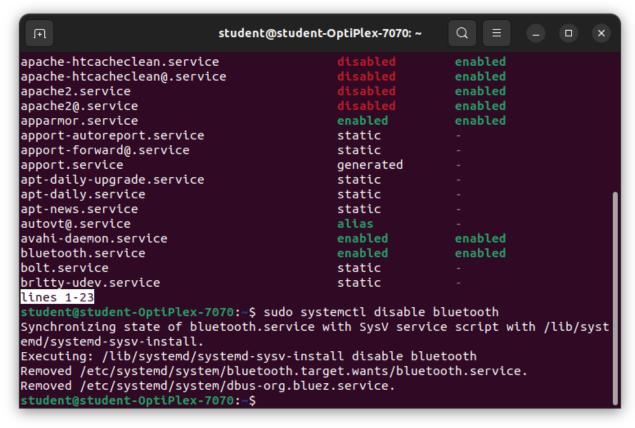


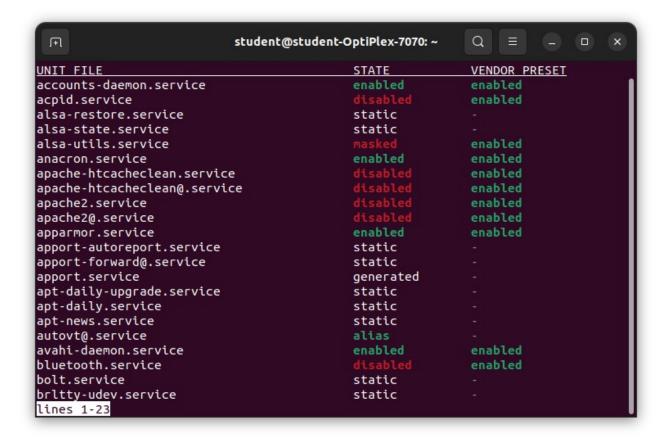
This site can't be reached

The webpage at https://www.youtube.com/ might be temporarily down or it may have moved permanently to a new web address.

ERR_TUNNEL_CONNECTION_FAILED







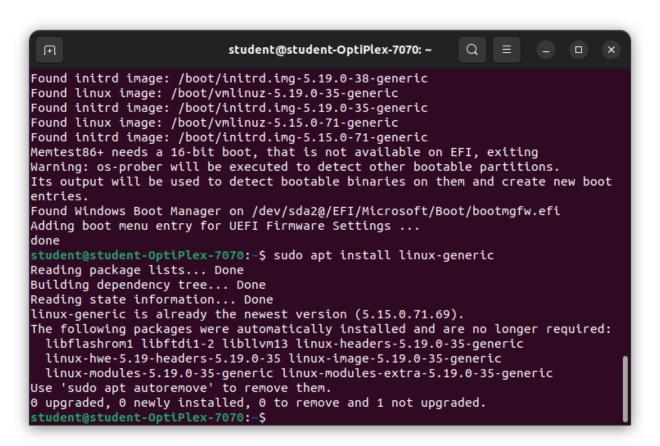
2)

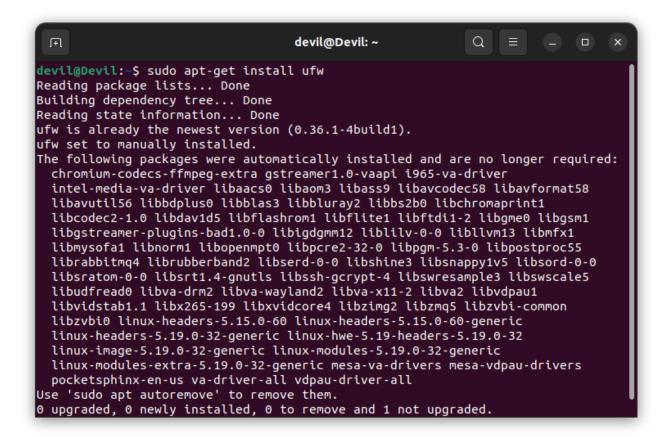
The unattended upgrade only upgrades unattended updated files which are in the list since samba and squid are not in the list they cannot be automatically upgraded.

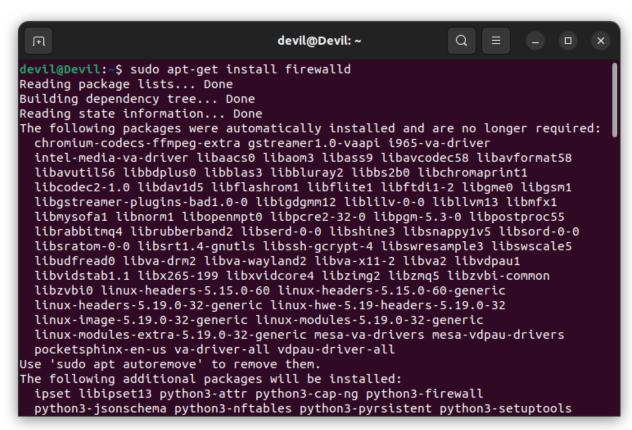
```
student@student-OptPlex:7070-

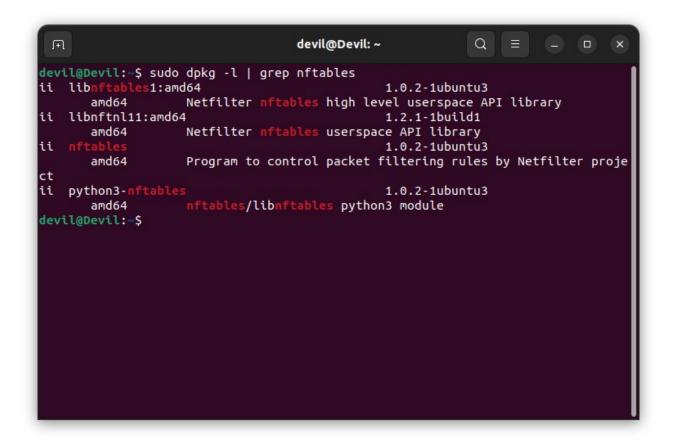
pulseaudio-nodule-bluetooth/jamy-updates 1:15.99.1+dfsg1-lubuntu2.1 and64 [upgradable fron: 1:15.99.1+dfsg1-lubuntu2]
pulseaudio-jamy-updates 1:15.99.1+dfsg1-lubuntu2.1 and64 [upgradable fron: 1:15.99.1+dfsg1-lubuntu2]
pulseaudio-jamy-updates 1:15.99.1+dfsg1-lubuntu2.1 and64 [upgradable fron: 1:15.99.1+dfsg1-lubuntu2]
pulseaudio-jamy-updates 1:15.99.1+dfsg1-lubuntu2.1 and64 [upgradable fron: 1:15.99.1+dfsg1-lubuntu2]
python3-apport/jamy-updates, jamy-updates, anny-security, jamy-security 2:20.11-obbuntu82.4 all [upgradable fron: 2:20.11-obbuntu82.3]
python3-problem-report/jamy-updates, jamy-updates, jamy-security, jamy-security 2:20.11-obbuntu82.4 all [upgradable fron: 2:20.11-obbuntu82.3]
python3-problem-report/jamy-updates, jamy-updates, jamy-security, jamy-security 2:20.11-obbuntu82.4 all [upgradable fron: 2.20.11-obbuntu82.3]
python3-problem-report/jamy-updates, jamy-updates, jamy-security, jamy-securit
```

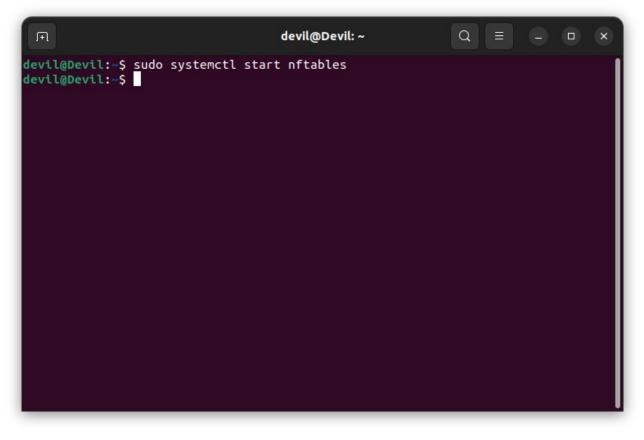
```
student@student-OptiPlex-7070: ~
                                                                          student@student-OptiPlex-7070:~$ sudo nano /etc/squid/blocksite
[sudo] password for student:
student@student-OptiPlex-7070:~$ sudo systemctl restart squid
student@student-OptiPlex-7070:~$ sudo apt update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:2 https://dl.google.com/linux/chrome/deb stable InRelease
Hit:3 http://pk.archive.ubuntu.com/ubuntu jammy InRelease
Hit:4 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy InRelease
Get:5 http://pk.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:6 http://pk.archive.ubuntu.com/ubuntu jammy-backports InRelease [108 kB]
Get:7 http://pk.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,0
62 kB1
Get:8 http://pk.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [484
Get:9 http://pk.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadat
a [14.1 kB]
Fetched 1,897 kB in 6s (299 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
152 packages can be upgraded. Run 'apt list --upgradable' to see them.
student@student-OptiPlex-7070:~$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
```



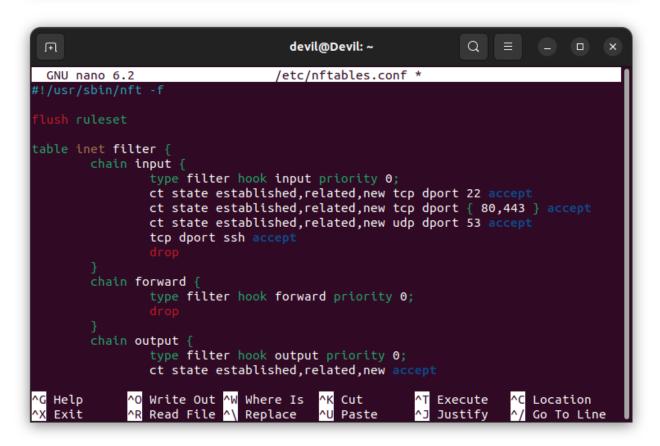




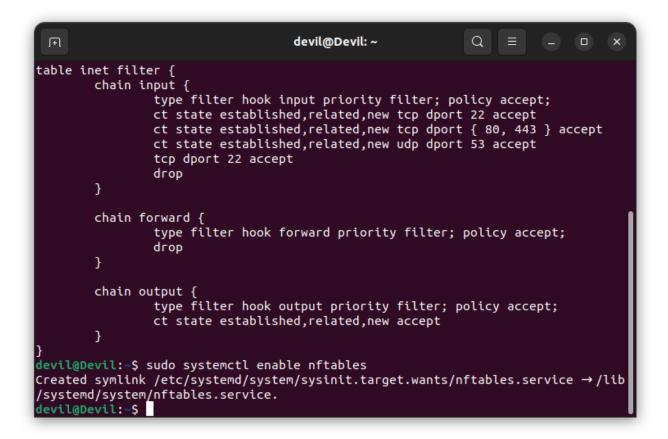




```
devil@Devil: ~
                                                               Q
                                                                               GNU nano 6.2
                                    /etc/ufw/ufw.conf *
 /etc/ufw/ufw.conf
# Set to yes to start on boot. If setting this remotely, be sure to add a rule
# to allow your remote connection before starting ufw. Eg: 'ufw allow 22/tcp'
ENABLED=no
RULE=deny in tcp 22
# Please use the 'ufw' command to set the loglevel. Eg: 'ufw logging medium'.
# See 'man ufw' for details.
LOGLEVEL=low
              ^O Write Out ^W Where Is
                                         ^K Cut
                                                                     ^C Location
^G Help
                                                        ^T Execute
                                         ^U Paste
              ^R Read File ^\ Replace
                                                        ^J Justify
                                                                        Go To Line
```

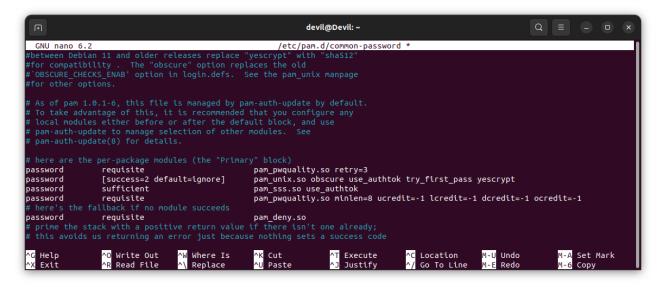


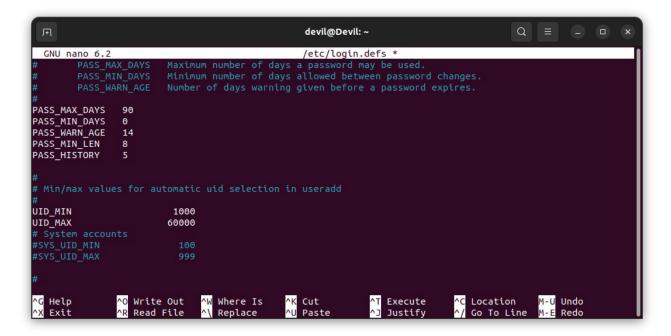
```
F1
                                   devil@Devil: ~
                                                            Q = - -
devil@Devil:~$ sudo nano /etc/nftables.conf
devil@Devil:~$ sudo nft -f /etc/nftables.conf
devil@Devil:~$ sudo nft list ruleset
table inet filter {
        chain input {
                type filter hook input priority filter; policy accept;
                ct state established, related, new tcp dport 22 accept
                ct state established, related, new tcp dport { 80, 443 } accept
                ct state established, related, new udp dport 53 accept
                tcp dport 22 accept
                drop
        }
        chain forward {
                type filter hook forward priority filter; policy accept;
                drop
        }
        chain output {
                type filter hook output priority filter; policy accept;
                ct state established, related, new accept
devil@Devil:~$ sudo systemctl enable nftables
```



```
devil@Devil:~$ sudo nano /etc/pam.d/common-password
devil@Devil:~$ sudo nano /etc/login.defs
devil@Devil:~$ sudo nano /etc/login.defs
devil@Devil:~$

devil@Devil:~$
```

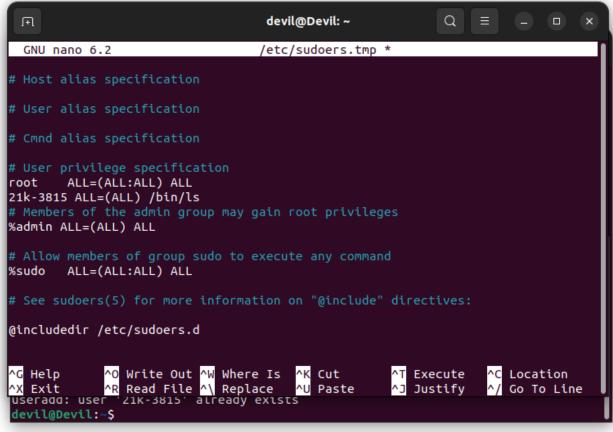


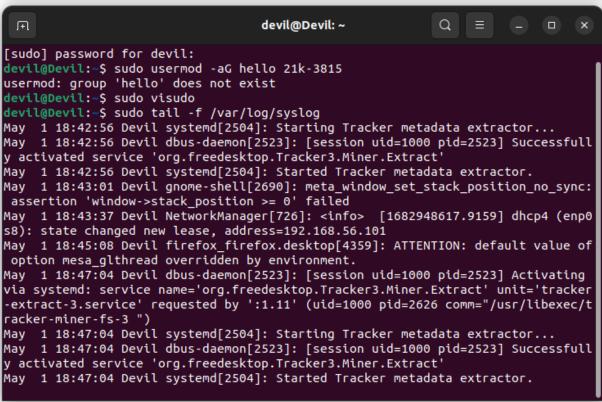


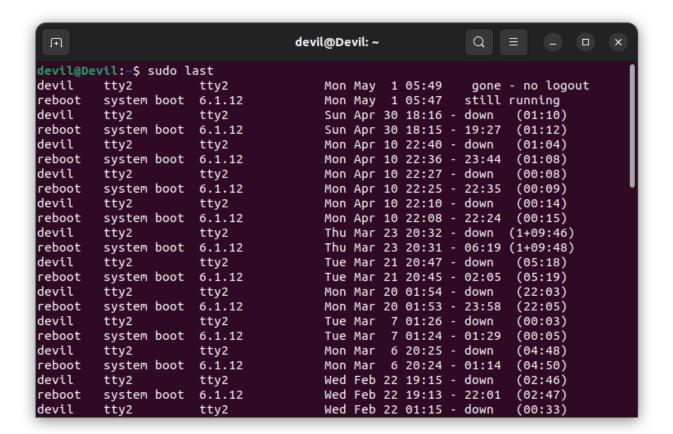
```
devil@Devil:-$ sudo nano /etc/pam.d/common-password
devil@Devil:-$ sudo nano /etc/login.defs
devil@Devil:-$ sudo nano /etc/pam.d/common-password
devil@Devil:-$ sudo nano /etc/pam.d/common-password
devil@Devil:-$ sudo chage -d 0 devil
```

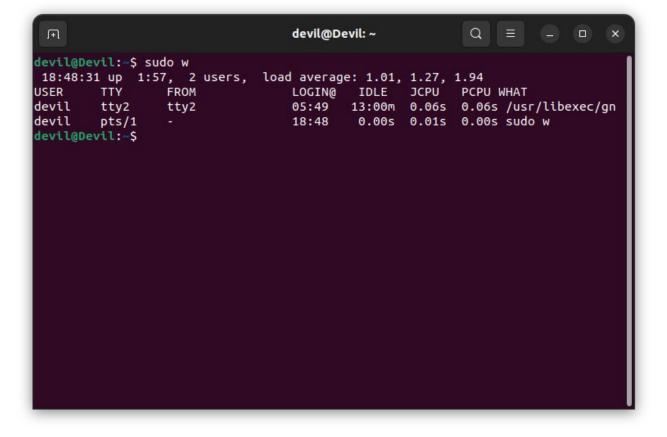
6)

```
Q
 F
                                    devil@Devil: ~
devil@Devil:~$ mkdir 21k-3815
devil@Devil:~$ chown devil 21k-3815
devil@Devil:~$ chgrp sensitive-group 21k-3815
chgrp: invalid group: 'sensitive-group'
devil@Devil:~$ chmod u+rw 21k-3815
devil@Devil:~$ chmod g+r 21k-3815
devil@Devil:~$ chmod o-rwx 21k-3815
devil@Devil:~$ setfacl -m u:devil:rw 21k-3815
devil@Devil:~$ ls -la
total 131908
drwxrwx---+ 30 devil
                        devil
                                     4096 07:36 1
                                     4096 04:15 11
                                                    فروري
drwxr-xr-x
             4 root
                        root
             2 devil
                        devil
                                     4096 21 07:36 1
drwxrwx---+
                                                          k-3815مئی
                                                   android. اپریل
bash_history. اپریل
             2 devil
                        devil
                                     4096 23:09 10
drwxrwxr-x
-rw-rwx---+ 1 devil
                        devil
                                    27704 19:27 30
-rw-rwxr--+ 1 devil
                        devil
                                      220 18:27 29
                                                    bash_logout. جنوري
                                                     bashrc. جنوري
-rw-rwxr--+ 1 devil
                       devil
                                     3771 18:27 29
                                                     cache. اَپرَيَل
config. اپريَل
drwxrwx---+ 20 devil
                        devil
                                     4096 23:09 10
drwxrwx---+ 20 devil
                        devil
                                     4096 23:09 10
                                                      dead.letter مارچ
- FW-----
             1 devil
                        devil
                                      115 01:28 7
                                                      Desktop مارچ
drwxrwxr-x+
            6 devil
                        devil
                                     4096 23:37 23
                                                     Documents جنوری
drwxrwxr-x+
             2 devil
                        devil
                                     4096 18:36 29
                                     4096 22:55 21
                        devil
                                                     dotnet. فروری
drwxrwxr-x
             3 devil
                       devil
                                                      Downloads مئی
drwxrwxr-x+ 5 devil
                                     4096 06:02 1
```









```
devil@Devil: ~
                                                           Q
                                   18:48
                                            0.00s 0.01s 0.00s sudo w
devil@Devil:~$ sudo apt-get install auditd
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi i965-va-driver
  intel-media-va-driver libaacs0 libaom3 libass9 libavcodec58 libavformat58
  libavutil56 libbdplus0 libblas3 libbluray2 libbs2b0 libchromaprint1
  libcodec2-1.0 libdav1d5 libflashrom1 libflite1 libftdi1-2 libgme0 libgsm1
  libgstreamer-plugins-bad1.0-0 libigdgmm12 liblilv-0-0 libllvm13 libmfx1
  libmysofa1 libnorm1 libopenmpt0 libpcre2-32-0 libpgm-5.3-0 libpostproc55
  librabbitmq4 librubberband2 libserd-0-0 libshine3 libsnappy1v5 libsord-0-0
  libsratom-0-0 libsrt1.4-gnutls libssh-gcrypt-4 libswresample3 libswscale5
  libudfread0 libva-drm2 libva-wayland2 libva-x11-2 libva2 libvdpau1
  libvidstab1.1 libx265-199 libxvidcore4 libzimg2 libzmg5 libzvbi-common
  libzvbi0 linux-headers-5.15.0-60 linux-headers-5.15.0-60-generic
  linux-headers-5.19.0-32-generic linux-hwe-5.19-headers-5.19.0-32
  linux-image-5.19.0-32-generic linux-modules-5.19.0-32-generic
  linux-modules-extra-5.19.0-32-generic mesa-va-drivers mesa-vdpau-drivers
  pocketsphinx-en-us va-driver-all vdpau-driver-all
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
 libauparse0
```

