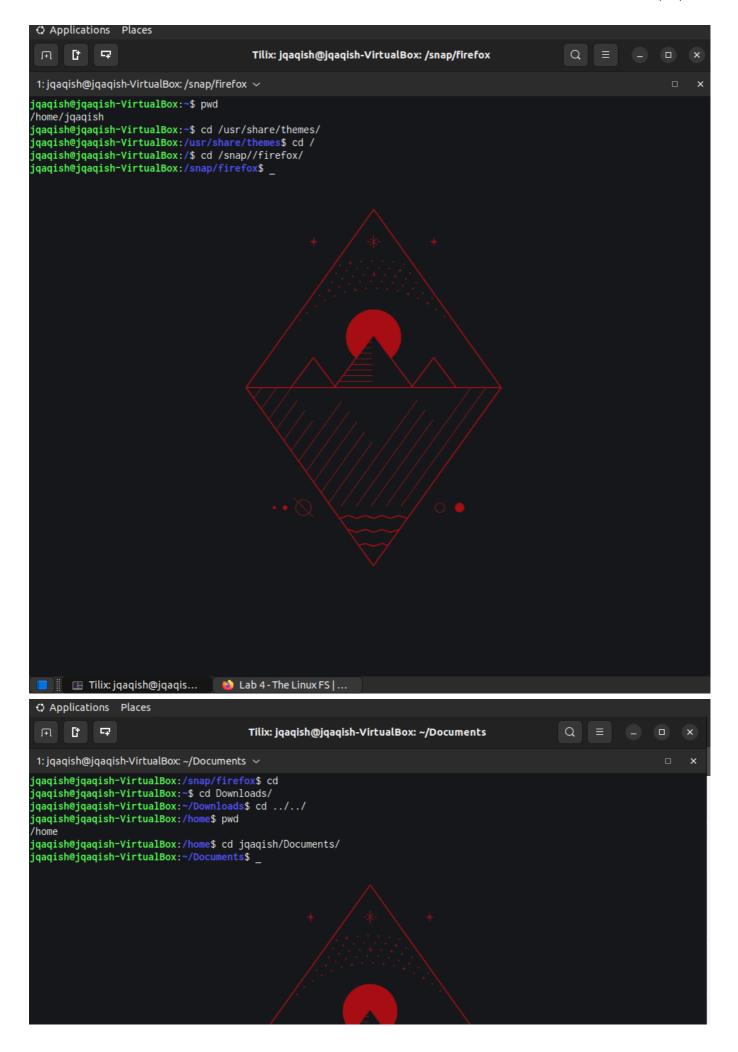
Lab4 The Linux FS

Question 1



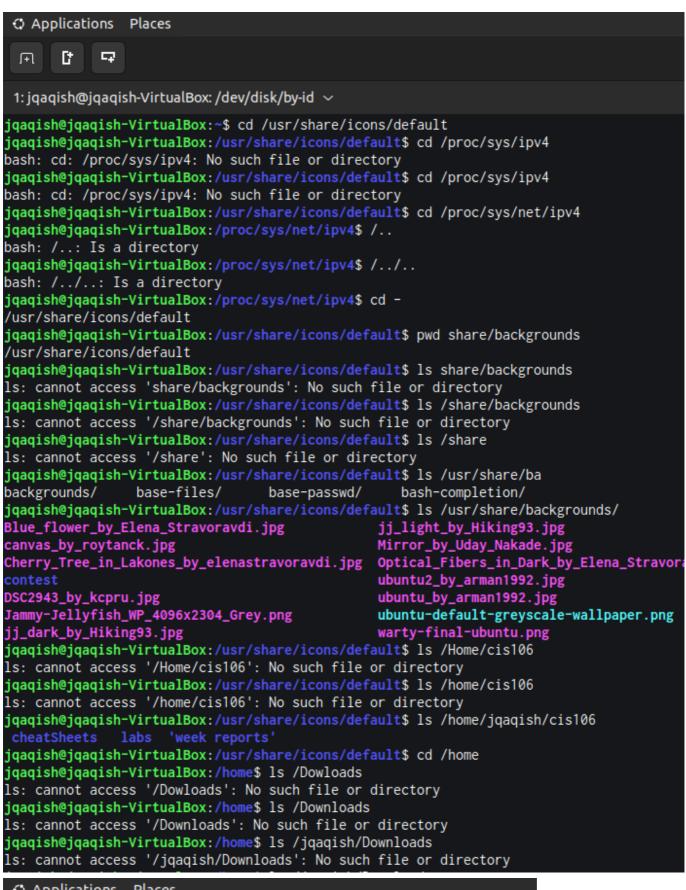
Question 2

```
    Applications Places

       C†
            1: jgagish@jgagish-VirtualBox: ~/lab4files ~
jqaqish@jqaqish-VirtualBox:~/Documents$ cd /usr/share/
jqaqish@jqaqish-VirtualBox:/usr/share$ ls /home/jqaqish/lab4files/
countries.json document.docx helloWorld.c sample.xls Ubuntu.pdf
                globe.avi
                               Linux.pdf
                                                         website.html
csvfile.csv
                                             Tux.png
jqaqish@jqaqish-VirtualBox:/usr/share$ cd ~/lab4files/
jgagish@jgagish-VirtualBox:~/lab4files$ ls -l
total 6580
-rw-rw-r-- 1 jqaqish jqaqish
                               20471 Feb 22 2022 countries.json
-rw-rw-r-- 1 jqaqish jqaqish 284042 Feb 22 2022 csvfile.csv
rw-rw-r-- 1 jgagish jgagish 764176 Feb 22 2022 document.docx
                             742478 Feb 22 2022 globe.avi
-rw-rw-r-- 1 jqaqish jqaqish
                                             2022 helloWorld.c
                                  76 Feb 22
-rw-rw-r-- 1 jqaqish jqaqish
rw-rw-r-- 1 jqaqish jqaqish 2600138 Feb 22 2022 Linux.pdf
rw-rw-r-- 1 jqaqish jqaqish
                              8704 Feb 22
                                             2022 sample.xls
                               42777 Feb 22 2022 Tux.png
-rw-rw-r-- 1 jqaqish jqaqish
-rw-rw-r-- 1 jqaqish jqaqish 2114053 Feb 22  2022 Ubuntu.pdf
-rw-rw-r-- 1 jqaqish jqaqish 137453 Feb 22  2022 website.html
jqaqish@jqaqish-VirtualBox:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 jqaqish jqaqish 20K Feb 22
                                          2022 countries.json
-rw-rw-r-- 1 jqaqish jqaqish 278K Feb 22
                                          2022 csvfile.csv
-rw-rw-r-- 1 jqaqish jqaqish 747K Feb 22
                                          2022 document.docx
-rw-rw-r-- 1 jgagish jgagish 726K Feb 22
                                          2022 globe.avi
rw-rw-r-- 1 jqaqish jqaqish 76 Feb 22
                                          2022 helloWorld.c
                                          2022 Linux.pdf
-rw-rw-r-- 1 jqaqish jqaqish 2.5M Feb 22
-rw-rw-r-- 1 jqaqish jqaqish 8.5K Feb 22
                                          2022 sample.xls
-rw-rw-r-- 1 jqaqish jqaqish 42K Feb 22
                                          2022 Tux.png
-rw-rw-r-- 1 jqaqish jqaqish 2.1M Feb 22
                                          2022 Ubuntu.pdf
rw-rw-r-- 1 jqaqish jqaqish 135K Feb 22
                                          2022 website.html
jqaqish@jqaqish-VirtualBox:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 jgagish jgagish 2.5M Feb 22
                                          2022 Linux.pdf
-rw-rw-r-- 1 jqaqish jqaqish 2.1M Feb 22
                                          2022 Ubuntu.pdf
rw-rw-r-- 1 jqaqish jqaqish 747K Feb 22
                                          2022 document.docx
-rw-rw-r-- 1 jgagish jgagish 726K Feb 22
                                          2022 globe.avi
-rw-rw-r-- 1 jqaqish jqaqish 278K Feb 22
                                          2022 csvfile.csv
                                          2022 website.html
-rw-rw-r-- 1 jgagish jgagish 135K Feb 22
-rw-rw-r-- 1 jqaqish jqaqish 42K Feb 22
                                          2022 Tux.png
                                          2022 countries.json
rw-rw-r-- 1 jqaqish jqaqish 20K Feb 22
-rw-rw-r-- 1 jqaqish jqaqish 8.5K Feb 22
                                          2022 sample.xls
                               76 Feb 22
                                          2022 helloWorld.c
-rw-rw-r-- 1 jqaqish jqaqish
jqaqish@jqaqish-VirtualBox:~/lab4files$ ls -lhSgG
total 6.5M
-rw-rw-r-- 1 2.5M Feb 22
                          2022 Linux.pdf
rw-rw-r-- 1 2.1M Feb 22
                          2022 Ubuntu.pdf
rw-rw-r-- 1 747K Feb 22 2022 document.docx
rw-rw-r-- 1 726K Feb 22
                          2022 globe.avi
rw-rw-r-- 1 278K Feb 22
                          2022 csvfile.csv
      -r-- 1 135K Feb 22
                          2022 website.html
              42K Feb 22
        -- 1
                          2022 Tux.png
              20K Feb 22 2022 countries
```

```
-rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
jqaqish@jqaqish-VirtualBox:~/lab4files$ ls -lhSgGi
total 6.5M
2242227 -rw-rw-r-- 1 2.5M Feb 22
                               2022 Linux.pdf
2242229 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
2242230 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
2242356 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
2242329 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
2242516 -rw-rw-r-- 1 135K Feb 22
                               2022 website.html
2242228 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
2242273 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
2242513 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
2242502 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
jqaqish@jqaqish-VirtualBox:~/lab4files$ ls -X
          csvfile.csv
globe.avi
                         website.html Linux.pdf
                                                     Tux.png
helloWorld.c document.docx countries.json Ubuntu.pdf
                                                     sample.xls
jgagish@jgagish-VirtualBox:~/lab4files$ ls -Xr
sample.xls Ubuntu.pdf countries.json document.docx helloWorld.c
          Linux.pdf website.html csvfile.csv
                                                   globe.avi
jqaqish@jqaqish-VirtualBox:~/lab4files$ ls -Xr1
sample.xls
Tux.png
Ubuntu.pdf
Linux.pdf
countries.json
website.html
document.docx
csvfile.csv
helloWorld.c
globe.avi
jqaqish@jqaqish-VirtualBox:~/lab4files$
```

Question 4

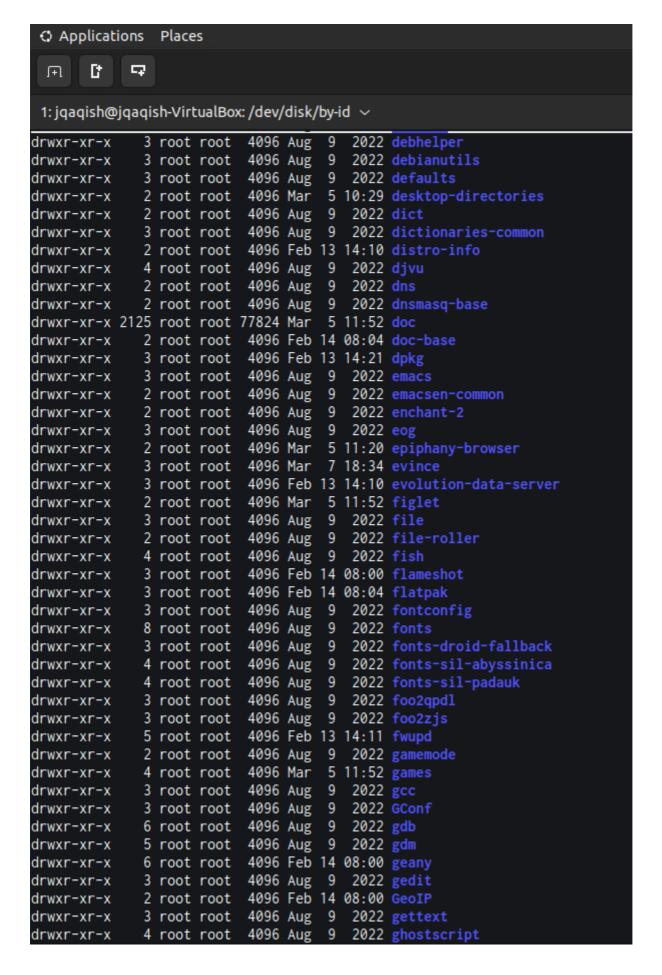


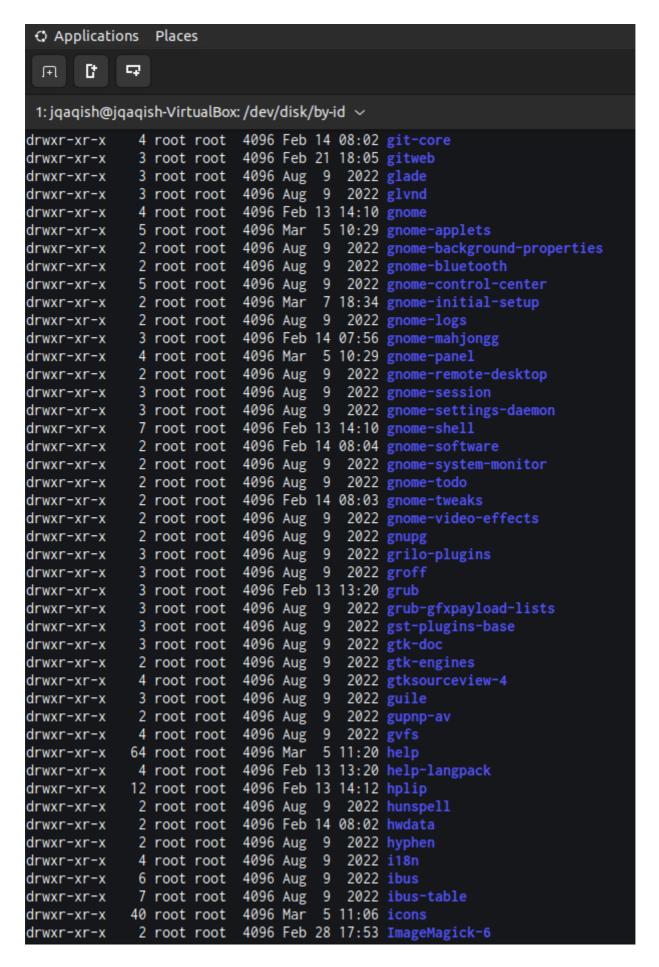
♠ Applications Places
1: jqaqish@jqaqish-VirtualBox: /dev/disk/by-id 🗸
<pre>jqaqish@jqaqish-VirtualBox:/home\$ ls /home/jqaqish/Do Documents/ Downloads/</pre>
<pre>jqaqish@jqaqish-VirtualBox:/home\$ ls /home/jqaqish/Downloads/</pre>

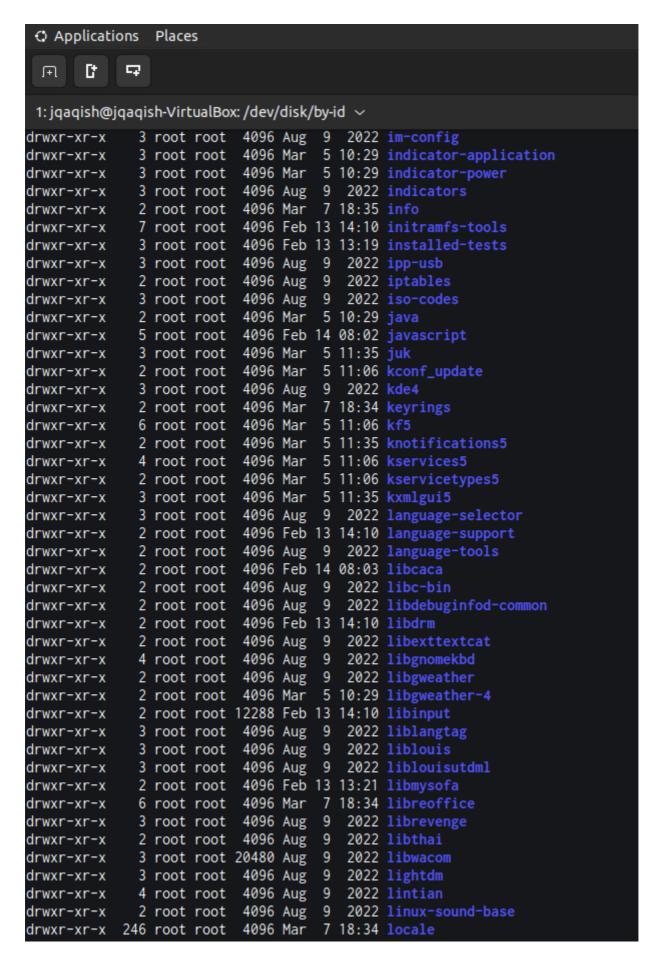
```
dog.jpeg games lab4files.zip
jqaqish@jqaqish-VirtualBox:/home$ cd /dev/disk/by-id
jqaqish@jqaqish-VirtualBox:/dev/disk/by-id$ ls -la /home
total 12
drwxr-xr-x 3 root
                     root
                             4096 Feb 13 13:18 .
drwxr-xr-x 20 root
                     root
                             4096 Feb 13 13:17 ...
drwxr-x--- 24 jgagish jgagish 4096 Mar 14 08:27 jgagish
jqaqish@jqaqish-VirtualBox:/dev/disk/by-id$ ls -lt /usr/share/theme
total 120
drwxr-xr-x 7 root root 4096 Aug 9 2022 Yaru
drwxr-xr-x 5 root root 4096 Aug 9
                                   2022 Yaru-bark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-bark-dark
drwxr-xr-x 5 root root 4096 Aug 9
                                   2022 Yaru-blue
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-blue-dark
drwxr-xr-x 7 root root 4096 Aug 9 2022 Yaru-dark
drwxr-xr-x 3 root root 4096 Aug 9 2022 Yaru-dark-hdpi
drwxr-xr-x 3 root root 4096 Aug 9 2022 Yaru-dark-xhdpi
drwxr-xr-x 3 root root 4096 Aug 9 2022 Yaru-hdpi
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-magenta
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-magenta-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-olive
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-oliye-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-prussiangreen
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-prussiangreen-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-purple
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-purple-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-red
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-red-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-sage
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-sage-dark
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-viridian
drwxr-xr-x 5 root root 4096 Aug 9 2022 Yaru-viridian-dark
drwxr-xr-x 3 root root 4096 Aug 9 2022 Yaru-xhdpi
drwxr-xr-x 4 root root 4096 Aug 9 2022 Default
drwxr-xr-x 4 root root 4096 Aug 9 2022 Emacs
drwxr-xr-x 3 root root 4096 Aug 9 2022 Raleigh
drwxr-xr-x 4 root root 4096 Aug 9 2022 Adwaita
drwxr-xr-x 4 root root 4096 Aug 9 2022 Adwaita-dark
drwxr-xr-x 4 root root 4096 Aug 9 2022 HighContrast
jqaqish@jqaqish-VirtualBox:/dev/disk/by-id$ ls -lX /usr/share/
total 1416
```

```
    Applications

                Places
       C†
             G.
 1: jqaqish@jqaqish-VirtualBox: /dev/disk/by-id ~
jgagish@jgagish-VirtualBox:/dev/disk/by-id$ ls -lX /usr/share/
total 1416
                            4096 Mar
                                      5 10:29 accountsservice
drwxr-xr-x
              4 root root
                            4096 Feb 14 08:02 aclocal
drwxr-xr-x
              2 root root
                            4096 Aug
              2 root root
                                      9
                                         2022 acpi-support
drwxr-xr-x
drwxr-xr-x
              2 root root
                            4096 Aug
                                      9
                                         2022 adduser
              4 root root
                            4096 Feb 14 07:56 aisleriot
drwxr-xr-x
                            4096 Mar
                                      5 10:29 alacarte
              3 root root
drwxr-xr-x
                            4096 Feb 13 14:10 alsa
drwxr-xr-x
             11 root root
                            4096 Aug
              2 root root
                                      9
                                         2022 alsa-base
drwxr-xr-x
drwxr-xr-x
              3 root root
                            4096 Aug
                                      9
                                         2022 alsa-card-profile
              2 root root
                            4096 Mar
                                      7 18:34 appdata
drwxr-xr-x
              3 root root
                            4096 Feb 14 08:04 app-info
drwxr-xr-x
drwxr-xr-x
              2 root root 16384 Mar 13 10:50 applications
                            4096 Feb 14 07:56 apport
drwxr-xr-x
              4 root root
              4 root root
                            4096 Feb 14 08:04 apps
drwxr-xr-x
              2 root root
                            4096 Aug
                                      9
                                         2022 aptur1
drwxr-xr-x
                            4096 Aug 9
              2 root root
                                         2022 aspell
drwxr-xr-x
drwxr-xr-x
              2 root root
                            4096 Aug 9
                                         2022 avahi
                                     9
                                         2022 backgrounds
drwxr-xr-x
              3 root root
                            4096 Aug
                            4096 Mar
                                     7 18:34 base-files
drwxr-xr-x
              2 root root
                            4096 Aug 9
                                         2022 base-passwd
drwxr-xr-x
              2 root root
                                     9 2022 bash-completion
                            4096 Aug
              4 root root
drwxr-xr-x
drwxr-xr-x
              2 root root
                            4096 Feb 13 14:10 binfmts
                                     9
              4 root root
                            4096 Aug
                                         2022 branding
drwxr-xr-x
                            4096 Aug
                                      9
                                         2022 brltty
drwxr-xr-x
              3 root root
drwxr-xr-x
            132 root root
                            4096 Feb 14 08:04 bug
              2 root root
                            4096 Feb 13 14:21 build-essential
drwxr-xr-x
                                         2022 ca-certificates
drwxr-xr-x
              3 root root
                            4096 Aug
                                     9
              3 root root
                            4096 Feb 14 08:03 caffeine-indicator
drwxr-xr-x
drwxr-xr-x
                            4096 Feb 14 08:01 catdoc
              2 root root
                                      9
drwxr-xr-x
              3 root root
                            4096 Aug
                                         2022 cmake
                                      7 18:34 code
              5 root root
                            4096 Mar
drwxr-xr-x
                            4096 Aug
                                      9
                                         2022 cog1
              3 root root
drwxr-xr-x
                            4096 Aug
                                     9
                                         2022 color
              3 root root
drwxr-xr-x
                                         2022 colord
              7 root root
                            4096 Aug
                                      9
drwxr-xr-x
                                      7 18:34 common-licenses
              2 root root
                            4096 Mar
drwxr-xr-x
              2 root root 28672 Aug 9
                                         2022 consolefonts
drwxr-xr-x
                            4096 Aug 9
                                         2022 console-setup
              2 root root
drwxr-xr-x
                            4096 Aug
                                     9
                                         2022 consoletrans
              2 root root
drwxr-xr-x
              3 root root
                            4096 Mar
                                      5 11:52 cowsay
drwxr-xr-x
                            4096 Aug
                                     9
                                         2022 cups
drwxr-xr-x
             18 root root
                            4096 Feb 13 14:10 dbus-1
              8 root root
drwxr-xr-x
              3 root root
                            4096 Aug
                                      9
                                         2022 dconf
drwxr-xr-x
                                     9
                                         2022 debconf
drwxr-xr-x
              2 root root
                            4096 Aug
```







Applications Places

Browse and run installed applications

1: jqaqish@jqaqish-VirtualBox: /dev/disk/by-id ~

```
4096 Feb 13 13:20 locale-langpack
drwxr-xr-x
            10 root root
                          4096 Aug
                                   9 2022 locales
drwxr-xr-x
             2 root root
drwxr-xr-x
             2 root root
                          4096 Feb 13 14:21 lto-disabled-list
                          4096 Aug 9 2022 m2300w
            3 root root
drwxr-xr-x
                          4096 Mar
                                    5 11:06 man
            38 root root
drwxr-xr-x
                          4096 Aug 9 2022 man-db
            2 root root
drwxr-xr-x
                          4096 Feb 14 08:02 mate-panel
drwxr-xr-x
             3 root root
             3 root root
                         4096 Aug 9
                                       2022 maven-repo
drwxr-xr-x
drwxr-xr-x
             2 root root 12288 Aug 9 2022 media-player-info
                                  5 11:52 menu
             2 root root 4096 Mar
drwxr-xr-x
             2 root root
                          4096 Feb 14 08:02 mesa-demos
drwxr-xr-x
             2 root root 12288 Mar
                                   7 18:34 metainfo
drwxr-xr-x
             2 root root
                         4096 Feb 13 13:20 mfx
drwxr-xr-x
            15 root root
                          4096 Mar
                                   7 18:35 mime
drwxr-xr-x
                          4096 Aug
                                    9
                                      2022 misc
             2 root root
drwxr-xr-x
                          4096 Aug 9 2022 mobile-broadband-provider-info
drwxr-xr-x
            2 root root
             4 root root
                          4096 Mar 7 18:34 ModemManager
drwxr-xr-x
                         4096 Aug 9 2022 mousetweaks
             2 root root
drwxr-xr-x
                          4096 Aug 9 2022 mythes
drwxr-xr-x
             2 root root
                          4096 Aug 9 2022 nano
             4 root root
drwxr-xr-x
             3 root root
                          4096 Aug 9 2022 nautilus
drwxr-xr-x
                          4096 Feb 14 08:00 nautilus-python
             3 root root
drwxr-xr-x
             3 root root 4096 Aug 9
                                       2022 nautilus-share
drwxr-xr-x
drwxr-xr-x
             5 root root 4096 Feb 14 08:02 nemo
             2 root root
                          4096 Feb 14 08:03 netpbm
drwxr-xr-x
             3 root root 4096 Feb 13 14:10 netplan
drwxr-xr-x
                          4096 Feb 14 08:00 numpy3
             2 root root
drwxr-xr-x
             2 root root 4096 Feb 13 14:11 openvpn
drwxr-xr-x
                          4096 Aug 9 2022 orca
             3 root root
drwxr-xr-x
             2 root root
                          4096 Aug 9
                                       2022 os-prober
drwxr-xr-x
             3 root root
                          4096 Aug 9 2022 p11-kit
drwxr-xr-x
                          4096 Feb 14 08:05 package-data-downloads
             2 root root
drwxr-xr-x
             3 root root 4096 Aug 9 2022 PackageKit
drwxr-xr-x
                         4096 Feb 13 14:10 pam
             2 root root
drwxr-xr-x
             2 root root
                          4096 Mar 13 10:50 pam-configs
drwxr-xr-x
                          4096 Aug 9 2022 perl
drwxr-xr-x
             3 root root
                          4096 Feb 21 18:05 per15
drwxr-xr-x
            31 root root
             2 root root 4096 Aug 9 2022 perl-openssl-defaults
drwxr-xr-x
             3 root root 4096 Feb 13 14:10 pipewire
drwxr-xr-x
                          4096 Mar
                                  7 18:34 pixmaps
             4 root root
drwxr-xr-x
drwxr-xr-x
             2 root root
                          4096 Mar 13 10:51 pkgconfig
                          4096 Aug 9
                                       2022 plymouth
             3 root root
drwxr-xr-x
                          4096 Aug 9 2022 pnm2ppa
             2 root root
drwxr-xr-x
                          4096 Feb 13 13:21 pocketsphinx
drwxr-xr-x
             3 root root
             4 root root 4096 Aug 9
                                       2022 polkit-1
drwxr-xr-x
```

Applications Places

Browse and run installed applications

1: jqaqish@jqaqish-VirtualBox: /dev/disk/by-id ~

```
drwxr-xr-x
             6 root root
                          4096 Aug
                                       2022 poppler
drwxr-xr-x
                          4096 Aug 9
                                       2022 ppd
             5 root root
drwxr-xr-x
             2 root root
                          4096 Aug 9
                                       2022 ppp
                          4096 Aug 9
                                       2022 publicsuffix
drwxr-xr-x
             2 root root
           3 root root
drwxr-xr-x
                          4096 Aug 9
                                       2022 pulseaudio
                          4096 Aug 9 2022 pyshared
drwxr-xr-x
             2 root root
                          4096 Feb 13 14:10 python3
drwxr-xr-x
             6 root root
drwxr-xr-x
                          4096 Aug 9 2022 python-apt
             3 root root
          2 root root
3 root root
                          4096 Mar 5 11:06 qlogging-categories5
drwxr-xr-x
                          4096 Feb 14 08:00 qt5
drwxr-xr-x
             2 root root
                          4096 Aug 9 2022 readline
drwxr-xr-x
                          4096 Aug 9 2022 remmina
drwxr-xr-x
           5 root root
                          4096 Aug 9 2022 rhythmbox
drwxr-xr-x
             3 root root
          2 root root
3 root root
                          4096 Mar 5 11:52 rig
drwxr-xr-x
                          4096 Aug 9
                                       2022 rsync
drwxr-xr-x
                          4096 Aug 9
drwxr-xr-x
            2 root root
                                       2022 rsyslog
drwxr-xr-x
                          4096 Feb 14 08:02 rubygems-integration
           4 root root
                          4096 Aug 9
drwxr-xr-x
             5 root root
                                       2022 rygel
          5 root root
                          4096 Feb 14 08:03 samba
drwxr-xr-x
                          4096 Aug 9
                                       2022 seahorse
           3 root root
drwxr-xr-x
             3 root root
                          4096 Aug 9
                                       2022 secureboot
drwxr-xr-x
drwxr-xr-x
            3 root root
                          4096 Aug 29 2021 sensible-utils
drwxr-xr-x
             3 root root
                          4096 Aug 9
                                       2022 session-migration
drwxr-xr-x
             9 root root
                          4096 Aug 9 2022 sgml
                                       2022 sgml-base
           2 root root
                          4096 Aug 9
drwxr-xr-x
                          4096 Aug 9 2022 sgml-data
            2 root root
drwxr-xr-x
                          4096 Aug 9 2022 snmp
drwxr-xr-x
             4 root root
drwxr-xr-x
             3 root root
                          4096 Mar
                                   7 18:34 software-properties
          3 root root
                          4096 Feb 14 08:00 solid
drwxr-xr-x
            11 root root 4096 Mar 5 10:29 sounds
drwxr-xr-x
           2 root root 12288 Aug 9 2022 source-highlight
drwxr-xr-x
                         4096 Aug 9 2022 speech-dispatcher
drwxr-xr-x
            4 root root
drwxr-xr-x
             2 root root
                          4096 Aug 9
                                       2022 ssl-cert
                          4096 Aug 9 2022 system-config-printer
            7 root root
drwxr-xr-x
             2 root root
                          4096 Mar 13 10:50 systemd
drwxr-xr-x
                          4096 Feb 14 08:02 systemtap
drwxr-xr-x
            3 root root
                          4096 Aug 9
                                       2022 tabset
drwxr-xr-x
             2 root root
                          4096 Aug 9
                                       2022 tcltk
drwxr-xr-x
             3 root root
           2 root root
                          4096 Jan 17 2022 terminfo
drwxr-xr-x
                          4096 Feb 14 08:01 tex-common
drwxr-xr-x
             2 root root
                          4096 Feb 14 08:02 texlive
drwxr-xr-x
            7 root root
                          4096 Feb 14 08:02 texmf
            6 root root
drwxr-xr-x
                                    9
drwxr-xr-x
          32 root root
                          4096 Aug
                                      2022 themes
          2 root root
                          4096 Mar
                                   7 18:34 thumbnailers
drwxr-xr-x
             5 root root 4096 Feb 14 08:00 tilix
drwxr-xr-x
```

```
Applications Places
 Browse and run installed applications
 1: jgagish@jgagish-VirtualBox: /dev/disk/by-id ~
drwxr-xr-x
              2 root root
                           4096 Aug
                                        2022 totem
drwxr-xr-x
              5 root root
                           4096 Aug 9 2022 tracker3
              5 root root
                           4096 Aug 9
                                        2022 tracker3-miners
drwxr-xr-x
                           4096 Aug 9 2022 transmission
             3 root root
drwxr-xr-x
                           4096 Aug 9
                                        2022 ubuntu
drwxr-xr-x
              3 root root
                           4096 Aug 9 2022 ubuntu-drivers-common
drwxr-xr-x
             4 root root
                                    7 18:34 ubuntu-release-upgrader
             3 root root
                           4096 Mar
drwxr-xr-x
                           4096 Aug
                                    9 2022 ubuntu-wayland
              3 root root
drwxr-xr-x
                           4096 Aug 9 2022 ucf
drwxr-xr-x
             2 root root
                           4096 Aug 9 2022 ufw
drwxr-xr-x
             4 root root
                           4096 Aug 9 2022 unattended-upgrades
              2 root root
drwxr-xr-x
                           4096 Mar 5 10:29 unity
              3 root root
drwxr-xr-x
                           4096 Aug
                                     9 2022 update-manager
              3 root root
drwxr-xr-x
                           4096 Mar
                                     7 18:34 update-notifier
drwxr-xr-x
             5 root root
              5 root root
                           4096 Mar
                                    5 10:29 upstart
drwxr-xr-x
             2 root root
                           4096 Aug 9
                                       2022 usb-creator
drwxr-xr-x
              2 root root
                           4096 Aug
                                     9
                                       2022 usb_modeswitch
drwxr-xr-x
              3 root root
                           4096 Aug
                                     9
                                        2022 vala
drwxr-xr-x
                           4096 Feb 13 14:10 vim
drwxr-xr-x
             5 root root
                           4096 Feb 14 08:00 vlc
drwxr-xr-x
              5 root root
                                        2022 vulkan
             5 root root
                           4096 Aug
                                     9
drwxr-xr-x
drwxr-xr-x
              2 root root
                           4096 Feb 14 08:03 w3m
              2 root root
                           4096 Aug
                                     9
                                        2022 wayland-sessions
drwxr-xr-x
                           4096 Aug
                                    9 2022 X11
drwxr-xr-x
             5 root root
drwxr-xr-x
              3 root root
                           4096 Feb 14 08:02 xapps-common
            3 root root
                           4096 Aug 9 2022 xdg-desktop-portal
drwxr-xr-x
                           4096 Aug 9 2022 xml
             11 root root
drwxr-xr-x
                           4096 Aug 9 2022 xml-core
            2 root root
drwxr-xr-x
                           4096 Mar
                                    5 10:29 xsessions
             2 root root
drwxr-xr-x
drwxr-xr-x
             6 root root
                           4096 Aug 9
                                        2022 yelp
                           4096 Aug 9
                                       2022 yelp-xsl
             4 root root
drwxr-xr-x
                                    9 2022 zenity
            2 root root
                           4096 Aug
drwxr-xr-x
                           4096 Feb 13 14:10 zoneinfo
            20 root root
drwxr-xr-x
             3 root root
                           4096 Aug
                                    9
                                       2022 zoneinfo-icu
drwxr-xr-x
              4 root root
                           4096 Feb 14 08:00 zsh
drwxr-xr-x
                           4096 Feb 13 13:20 gir-1.0
              2 root root
drwxr-xr-x
            3 root root
                           4096 Feb 13 14:10 glib-2.0
drwxr-xr-x
                                     9
              2 root root
                           4096 Aug
                                       2022 gnome-bluetooth-3.0
drwxr-xr-x
drwxr-xr-x
              3 root root
                           4096 Aug
                                     9
                                        2022 goa-1.0
                           4096 Feb 13 13:20 gstreamer-1.0
drwxr-xr-x
              4 root root
              3 root root
                           4096 Aug
                                     9
                                       2022 gtk-4.0
drwxr-xr-x
                           4096 Feb 14 08:02 gtksourceview-2.0
drwxr-xr-x
             4 root root
                           4096 Feb 14 08:02 gtksourceview-3.0
drwxr-xr-x
             4 root root
                           4096 Aug
                                     9
                                        2022 gupnp-dlna-2.0
              3 root root
drwxr-xr-x
                           4096 Aug
drwxr-xr-x
              3 root root
                                        2022 org.gnome.Characters
              3 root root
                           4096 Aug
                                     9
drwxr-xr-x
                                        2022 org.gnome.Characters
                           4096 Feb 13 14:11 drirc.d
              2 root root
jqaqish@jqaqish-VirtualBox:/dev/disk/by-id$ ls -lX /usr/share/
```

