

Lab 4 Submission Linux FS

Question 1

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1 / 1 + ⌂ ⌂ Tilix: ccollado@cis106vm: /snap/firefox
1: ccollado@cis106vm: /snap/firefox ~
ccollado@cis106vm:~$ psw
Command 'psw' not found, but can be installed with:
sudo apt install wise
ccollado@cis106vm:~$ cd /usr/share/themes/
ccollado@cis106vm:/usr/share/themes$ pwd
/usr/share/themes
ccollado@cis106vm:/usr/share/themes$ cd /
ccollado@cis106vm:$ cd /snap/firefox/
ccollado@cis106vm:/snap/firefox$ _
```



```
1 / 1 + ⌂ ⌂ Tilix: ccollado@cis106vm: ~/Documents
1: ccollado@cis106vm: ~/Documents ~
ccollado@cis106vm:/snap/firefox$ cd
ccollado@cis106vm:~$ cd Downloads/
ccollado@cis106vm:~/Downloads$ cd ../../..
ccollado@cis106vm:/home$ pwd
/home
ccollado@cis106vm:/home$ cd ccollado/Documents/
ccollado@cis106vm:~/Documents$ _
```





Question 2

```
1: ccollado@cis106vm: ~/lab4files
ccollado@cis106vm:~/Documents$ cd /usr/share/
ccollado@cis106vm:/usr/share$ ls /home/collado/lab4files/
countries.json document.docx helloWorld.c sample.xls Ubuntu.pdf
csvfile.csv globe.avi Linux.pdf Tux.png website.html
ccollado@cis106vm:/usr/share$ cd ~/lab4files/
ccollado@cis106vm:~/lab4files$ ls -l
total 6580
-rw-rw-r-- 1 ccollado ccollado 20471 Feb 22 2022 countries.json
-rw-rw-r-- 1 ccollado ccollado 284042 Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 ccollado ccollado 764176 Feb 22 2022 document.docx
-rw-rw-r-- 1 ccollado ccollado 742478 Feb 22 2022 globe.avi
-rw-rw-r-- 1 ccollado ccollado 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 ccollado ccollado 2600138 Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 ccollado ccollado 8704 Feb 22 2022 sample.xls
-rw-rw-r-- 1 ccollado ccollado 42777 Feb 22 2022 Tux.png
-rw-rw-r-- 1 ccollado ccollado 2114053 Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 ccollado ccollado 137453 Feb 22 2022 website.html
ccollado@cis106vm:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 ccollado ccollado 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 ccollado ccollado 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 ccollado ccollado 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 ccollado ccollado 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 ccollado ccollado 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 ccollado ccollado 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 ccollado ccollado 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 ccollado ccollado 42K Feb 22 2022 Tux.png
```

```
-rw-rw-r-- 1 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 135K Feb 22 2022 website.html
-rw-rw-r-- 1 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
```

Question 4

```
1/1 + ⌂ ⌂ Tilix: cgcollado@cis106vm: /usr/share A[ ]  
1: cgcollado@cis106vm:/usr/share ~  
cgcollado@cis106vm:~$ pwd  
/home/cgcollado  
cgcollado@cis106vm:~$ cd /usr/share/icons/default/  
cgcollado@cis106vm:/usr/share/icons/default$ cd /proc/sys/net/ipv4/  
cgcollado@cis106vm:/proc/sys/net/ipv4$ cd ..  
cgcollado@cis106vm:/proc/sys/net$ cd /usr/share/icons/default/  
cgcollado@cis106vm:/usr/share/icons/default$ cd ../../..  
cgcollado@cis106vm:/usr/share$ cd backgrounds/  
cgcollado@cis106vm:/usr/share/backgrounds$ ls -a  
. jj_dark_by_Hiking93.jpg  
.. jj_light_by_Hiking93.jpg  
Blue_flower_by_Elena_Stravoravdi.jpg Mirror_by_Uday_Nakade.jpg  
canvas_by_roytanck.jpg Optical_Fibers_in_Dark_by_Elena_Stravoravdi.jpg  
Cherry_Tree_in_Lakones_by_elenastravoravdi.jpg ubuntu2_by_arman1992.jpg  
contest ubuntu_by_arman1992.jpg  
DSC2943_by_kcpuru.jpg ubuntu-default-greyscale-wallpaper.png  
Jammy-Jellyfish_WP_4096x2304_Grey.png warty-final-ubuntu.png  
cgcollado@cis106vm:/usr/share/backgrounds$ cd /home/cgcollado/Desktop/cis106/  
cgcollado@cis106vm:~/Desktop/cis106$ ls -a  
. ... 'Cheat Sheets' Finalproject .git labs WeekReports  
cgcollado@cis106vm:~/Desktop/cis106$ cd  
cgcollado@cis106vm:~$ cd Downloads/  
cgcollado@cis106vm:~/Downloads$ ls -a  
. ... 'Apache_HTTP_server_logo_(2019-present).svg.png'  
cgcollado@cis106vm:~/Downloads$ cd /dev/disk/by-id/  
cgcollado@cis106vm:/dev/disk/by-id$ cd  
cgcollado@cis106vm:~$ ls -a
```

```
1/1 + ⌂ ⌂ Tilix: cgcollado@cis106vm: /usr/share A[ ]  
1: cgcollado@cis106vm:/usr/share ~  
cgcollado@cis106vm:~$ ls -a  
. .cis106.png .fltk .local .ssh Videos  
.. .config .fonts Music .sudo_as_admin_successful .viminfo  
.bash_history Desktop .gitconfig Pictures Templates .vscode  
.bash_logout .dillo .gnupg .pki .vboxclient-clipboard.pid  
.bashrc Documents lab4files .profile .vboxclient-draganddrop.pid  
.cache .dotnet lab4files.zip Public .vboxclient-seamless.pid  
carloscollado88 Downloads .lessht snap .vboxclient-vmsvga-session-tty2.pid  
cgcollado@cis106vm:~$ cd /usr/share/themes/  
cgcollado@cis106vm:/usr/share/themes$ ls -c  
Adwaita Yaru Yaru-dark-hdpi Yaru-olive-dark Yaru-red-dark  
Adwaita-dark Yaru-bark Yaru-dark-xhdpi Yaru-prussiangreen Yaru-sage  
Default Yaru-bark-dark Yaru-hdpi Yaru-prussiangreen-dark Yaru-sage-dark  
Emacs Yaru-blue Yaru-magenta Yaru-purple Yaru-viridian  
HighContrast Yaru-blue-dark Yaru-magenta-dark Yaru-purple-dark Yaru-viridian-dark  
Raleigh Yaru-dark Yaru-olive Yaru-red Yaru-xhdpi  
cgcollado@cis106vm:/usr/share/themes$ ls -lc  
total 120  
drwxr-xr-x 4 root root 4096 Feb 1 23:14 Adwaita  
drwxr-xr-x 4 root root 4096 Feb 1 23:14 Adwaita-dark  
drwxr-xr-x 4 root root 4096 Feb 1 23:14 Default  
drwxr-xr-x 4 root root 4096 Feb 1 23:14 Emacs  
drwxr-xr-x 4 root root 4096 Feb 1 23:14 HighContrast  
drwxr-xr-x 3 root root 4096 Feb 1 23:14 Raleigh  
drwxr-xr-x 7 root root 4096 Feb 1 23:14 Yaru  
drwxr-xr-x 5 root root 4096 Feb 1 23:14 Yaru-bark  
drwxr-xr-x 5 root root 4096 Feb 1 23:14 Yaru-bark-dark  
drwxr-xr-x 5 root root 4096 Feb 1 23:14 Yaru-blue
```

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drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-blue-dark
drwxr-xr-x 7 root root 4096 Feb  1 23:14 Yaru-dark
drwxr-xr-x 3 root root 4096 Feb  1 23:14 Yaru-dark-hdpi
drwxr-xr-x 3 root root 4096 Feb  1 23:14 Yaru-dark-xhdpi
drwxr-xr-x 3 root root 4096 Feb  1 23:14 Yaru-hdpi
```

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1/1 ⓘ ⌂ ⌂ Tilix: cgcollado@cis106vm: /usr/share
A[ ] ⌂ ×
1: cgcollado@cis106vm:/usr/share ~

drwxr-xr-x 4 root root 4096 Feb  1 23:14 Adwaita
drwxr-xr-x 4 root root 4096 Feb  1 23:14 Adwaita-dark
drwxr-xr-x 4 root root 4096 Feb  1 23:14 Default
drwxr-xr-x 4 root root 4096 Feb  1 23:14 Emacs
drwxr-xr-x 4 root root 4096 Feb  1 23:14 HighContrast
drwxr-xr-x 3 root root 4096 Feb  1 23:14 Raleigh
drwxr-xr-x 7 root root 4096 Feb  1 23:14 Yaru
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-bark
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-bark-dark
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-blue
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-blue-dark
drwxr-xr-x 7 root root 4096 Feb  1 23:14 Yaru-dark
drwxr-xr-x 3 root root 4096 Feb  1 23:14 Yaru-dark-hdpi
drwxr-xr-x 3 root root 4096 Feb  1 23:14 Yaru-dark-xhdpi
drwxr-xr-x 3 root root 4096 Feb  1 23:14 Yaru-hdpi
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-magenta
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-magenta-dark
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-olive
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-olive-dark
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-prussiangreen
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-prussiangreen-dark
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-purple
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-purple-dark
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-red
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-red-dark
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-sage
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-sage-dark
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-viridian
drwxr-xr-x 5 root root 4096 Feb  1 23:14 Yaru-viridian-dark
drwxr-xr-x 3 root root 4096 Feb  1 23:14 Yaru-xhdpi
cgcollado@cis106vm:/usr/share/themes$ cd ..
cgcollado@cis106vm:/usr/share$ ls -lX
```

```
cgcollado@cis106vm:/usr/share$ ls -lx
total 1404
drwxr-xr-x    4 root root  4096 Feb 22 23:31 accountsservice
drwxr-xr-x    2 root root  4096 Feb  3 00:10 aclocal
drwxr-xr-x    2 root root  4096 Aug  9  2022 acpi-support
drwxr-xr-x    2 root root  4096 Aug  9  2022 adduser
drwxr-xr-x    4 root root  4096 Feb  3 00:07 aislexiот
drwxr-xr-x    3 root root  4096 Feb 22 23:31 alacarte
drwxr-xr-x   11 root root  4096 Feb  2 23:22 alsamixer
drwxr-xr-x    2 root root  4096 Aug  9  2022 alsamixer-base
drwxr-xr-x    3 root root  4096 Aug  9  2022 alsamixer-profile
drwxr-xr-x    2 root root  4096 Feb 14 18:42 appdata
drwxr-xr-x    3 root root  4096 Feb  3 00:22 app-info
drwxr-xr-x   16384 root root 16384 Mar  5 16:46 applications
drwxr-xr-x    3 root root  4096 Feb 21 18:47 apport
drwxr-xr-x    4 root root  4096 Feb  3 00:22 apps
drwxr-xr-x    2 root root  4096 Aug  9  2022 apturl
drwxr-xr-x    2 root root  4096 Aug  9  2022 aspell
drwxr-xr-x    2 root root  4096 Aug  9  2022 avahi
drwxr-xr-x    3 root root  4096 Aug  9  2022 backgrounds
drwxr-xr-x    2 root root  4096 Feb 27 23:56 base-files
drwxr-xr-x    2 root root  4096 Aug  9  2022 base-passwd
drwxr-xr-x    4 root root  4096 Aug  9  2022 bash-completion
drwxr-xr-x    2 root root  4096 Feb  2 23:22 binfmts
drwxr-xr-x    4 root root  4096 Aug  9  2022 branding
drwxr-xr-x    3 root root  4096 Aug  9  2022 brltty
drwxr-xr-x  122 root root  4096 Feb 22 23:45 bug
drwxr-xr-x    2 root root  4096 Feb  2 23:36 build-essential
drwxr-xr-x    3 root root  4096 Aug  9  2022 ca-certificates
drwxr-xr-x    3 root root  4096 Feb  3 00:21 caffeine-indicator
drwxr-xr-x    2 root root  4096 Feb  3 00:10 catdoc
drwxr-xr-x    3 root root  4096 Aug  9  2022 cmake
drwxr-xr-x    5 root root  4096 Feb 14 18:42 code
```

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drwxr-xr-x  5 root root  4096 Feb 14 18:42 code
drwxr-xr-x  3 root root  4096 Aug  9 2022 cogl
drwxr-xr-x  3 root root  4096 Aug  9 2022 color
drwxr-xr-x  7 root root  4096 Aug  9 2022 colord
drwxr-xr-x  2 root root  4096 Feb 27 23:56 common-licenses
drwxr-xr-x  2 root root 28672 Aug  9 2022 consolefonts
drwxr-xr-x  2 root root  4096 Aug  9 2022 console-setup
drwxr-xr-x  2 root root  4096 Aug  9 2022 consoletrans
drwxr-xr-x  3 root root  4096 Feb 23 00:06 cowsay
drwxr-xr-x 18 root root  4096 Aug  9 2022 cups
drwxr-xr-x  8 root root  4096 Feb  2 23:22 dbus-1
drwxr-xr-x  3 root root  4096 Aug  9 2022 dconf
drwxr-xr-x  2 root root  4096 Aug  9 2022 debconf
drwxr-xr-x  3 root root  4096 Aug  9 2022 debhelper
drwxr-xr-x  3 root root  4096 Aug  9 2022 debianutils
drwxr-xr-x  3 root root  4096 Aug  9 2022 defaults
drwxr-xr-x  2 root root  4096 Feb 22 23:31 desktop-directories
drwxr-xr-x  2 root root  4096 Aug  9 2022 dict
drwxr-xr-x  3 root root  4096 Aug  9 2022 dictionaries-common
drwxr-xr-x  2 root root  4096 Feb  2 23:22 distro-info
drwxr-xr-x  4 root root  4096 Aug  9 2022 djvu
drwxr-xr-x  2 root root  4096 Aug  9 2022 dns
drwxr-xr-x  2 root root  4096 Aug  9 2022 dnsmasq-base
drwxr-xr-x 2123 root root 73728 Mar  5 16:47 doc
drwxr-xr-x  2 root root  4096 Feb  3 00:22 doc-base
drwxr-xr-x  3 root root  4096 Feb  2 23:36 dpkg
drwxr-xr-x  3 root root  4096 Aug  9 2022 emacs
drwxr-xr-x  2 root root  4096 Aug  9 2022 emacsclient-common
drwxr-xr-x  2 root root  4096 Aug  9 2022 enchant-2
drwxr-xr-x  3 root root  4096 Aug  9 2022 eog
drwxr-xr-x  2 root root  4096 Feb 22 23:51 epiphany-browser
drwxr-xr-x  3 root root  4096 Aug  9 2022 evince
drwxr-xr-x  3 root root  4096 Feb  2 23:23 evolution-data-server
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drwxr-xr-x  3 root root  4096 Feb  2 23:23 evolution-data-server
drwxr-xr-x  2 root root  4096 Feb 23 00:06 figlet
drwxr-xr-x  3 root root  4096 Aug  9  2022 file
drwxr-xr-x  2 root root  4096 Aug  9  2022 file-roller
drwxr-xr-x  4 root root  4096 Aug  9  2022 fish
drwxr-xr-x  3 root root  4096 Feb  3 00:08 flameshot
drwxr-xr-x  3 root root  4096 Feb  3 00:22 flatpak
drwxr-xr-x  3 root root  4096 Aug  9  2022 fontconfig
drwxr-xr-x  8 root root  4096 Aug  9  2022 fonts
drwxr-xr-x  3 root root  4096 Aug  9  2022 fonts-droid-fallback
drwxr-xr-x  4 root root  4096 Aug  9  2022 fonts-sil-abyssinica
drwxr-xr-x  4 root root  4096 Aug  9  2022 fonts-sil-padauk
drwxr-xr-x  3 root root  4096 Aug  9  2022 foo2qpd1
drwxr-xr-x  3 root root  4096 Aug  9  2022 foo2zjs
drwxr-xr-x  5 root root  4096 Feb  2 23:24 fwupd
drwxr-xr-x  2 root root  4096 Aug  9  2022 gamemode
drwxr-xr-x  4 root root  4096 Feb 23 00:06 games
drwxr-xr-x  3 root root  4096 Aug  9  2022 gcc
drwxr-xr-x  3 root root  4096 Aug  9  2022 GConf
drwxr-xr-x  6 root root  4096 Aug  9  2022 gdb
drwxr-xr-x  5 root root  4096 Aug  9  2022 gdm
drwxr-xr-x  6 root root  4096 Feb  3 00:09 geany
drwxr-xr-x  3 root root  4096 Feb 22 23:56 geary
drwxr-xr-x  3 root root  4096 Aug  9  2022 gedit
drwxr-xr-x  2 root root  4096 Feb  3 00:09 GeoIP
drwxr-xr-x  3 root root  4096 Aug  9  2022 gettext
drwxr-xr-x  4 root root  4096 Aug  9  2022 ghostscript
drwxr-xr-x  4 root root  4096 Feb  3 00:10 git-core
drwxr-xr-x  3 root root  4096 Feb 14 18:43 gitweb
drwxr-xr-x  3 root root  4096 Aug  9  2022 glade
drwxr-xr-x  3 root root  4096 Aug  9  2022 glvnd
drwxr-xr-x  4 root root  4096 Feb  2 23:23 gnome
drwxr-xr-x  5 root root  4096 Feb 22 23:31 gnome-applets
```

```
drwxr-xr-x  5 root root 4096 Feb 22 23:31 gnome-applets
drwxr-xr-x  2 root root 4096 Aug  9  2022 gnome-background-properties
drwxr-xr-x  2 root root 4096 Aug  9  2022 gnome-bluetooth
drwxr-xr-x  5 root root 4096 Aug  9  2022 gnome-control-center
drwxr-xr-x  2 root root 4096 Feb 27 23:57 gnome-initial-setup
drwxr-xr-x  2 root root 4096 Aug  9  2022 gnome-logs
drwxr-xr-x  3 root root 4096 Feb  3 00:07 gnome-mahjongg
drwxr-xr-x  4 root root 4096 Feb 22 23:31 gnome-panel
drwxr-xr-x  2 root root 4096 Feb  5 20:15 gnome-remote-desktop
drwxr-xr-x  3 root root 4096 Aug  9  2022 gnome-session
drwxr-xr-x  3 root root 4096 Aug  9  2022 gnome-settings-daemon
drwxr-xr-x  7 root root 4096 Feb  2 23:23 gnome-shell
drwxr-xr-x  2 root root 4096 Feb  3 00:22 gnome-software
drwxr-xr-x  2 root root 4096 Aug  9  2022 gnome-system-monitor
drwxr-xr-x  2 root root 4096 Aug  9  2022 gnome-todo
drwxr-xr-x  2 root root 4096 Feb  3 00:21 gnome-tweaks
drwxr-xr-x  2 root root 4096 Aug  9  2022 gnome-video-effects
drwxr-xr-x  2 root root 4096 Aug  9  2022 gnupg
drwxr-xr-x  3 root root 4096 Aug  9  2022 grilo-plugins
drwxr-xr-x  3 root root 4096 Aug  9  2022 groff
drwxr-xr-x  3 root root 4096 Feb  1 23:19 grub
drwxr-xr-x  3 root root 4096 Aug  9  2022 grub-gfxpayload-lists
drwxr-xr-x  3 root root 4096 Aug  9  2022 gst-plugins-base
drwxr-xr-x  3 root root 4096 Aug  9  2022 gtk-doc
drwxr-xr-x  2 root root 4096 Aug  9  2022 gtk-engines
drwxr-xr-x  4 root root 4096 Aug  9  2022 gtksourceview-4
drwxr-xr-x  2 root root 4096 Aug  9  2022 gupnp-av
drwxr-xr-x  4 root root 4096 Aug  9  2022 gvfs
drwxr-xr-x  64 root root 4096 Feb 22 23:51 help
drwxr-xr-x  4 root root 4096 Feb  1 23:17 help-langpack
drwxr-xr-x  12 root root 4096 Feb  2 23:28 hplib
drwxr-xr-x  2 root root 4096 Aug  9  2022 hunspell
drwxr-xr-x  2 root root 4096 Feb  3 00:10 hwdata
```

```
drwxr-xr-x  2 root root 4096 Feb  3  00:10 hwdata
drwxr-xr-x  2 root root 4096 Aug  9  2022 hyphen
drwxr-xr-x  4 root root 4096 Aug  9  2022 i18n
drwxr-xr-x  6 root root 4096 Aug  9  2022 ibus
drwxr-xr-x  7 root root 4096 Aug  9  2022 ibus-table
drwxr-xr-x 40 root root 4096 Feb 22 23:45 icons
drwxr-xr-x  2 root root 4096 Mar  5  16:44 ImageMagick-6
drwxr-xr-x  3 root root 4096 Aug  9  2022 im-config
drwxr-xr-x  3 root root 4096 Feb 22 23:31 indicator-application
drwxr-xr-x  3 root root 4096 Feb 22 23:31 indicator-power
drwxr-xr-x  3 root root 4096 Aug  9  2022 indicators
drwxr-xr-x  2 root root 4096 Feb 27 23:57 info
drwxr-xr-x  7 root root 4096 Feb  2 23:23 initramfs-tools
drwxr-xr-x  3 root root 4096 Feb  1 23:17 installed-tests
drwxr-xr-x  3 root root 4096 Aug  9  2022 ipp-usb
drwxr-xr-x  2 root root 4096 Aug  9  2022 iptables
drwxr-xr-x  3 root root 4096 Aug  9  2022 iso-codes
drwxr-xr-x  2 root root 4096 Feb 22 23:31 java
drwxr-xr-x  5 root root 4096 Feb  3  00:10 javascript
drwxr-xr-x  2 root root 4096 Feb 22 23:45 kconf_update
drwxr-xr-x  3 root root 4096 Aug  9  2022 kde4
drwxr-xr-x  2 root root 4096 Feb 27 23:56 keyrings
drwxr-xr-x  6 root root 4096 Feb 22 23:45 kf5
drwxr-xr-x  2 root root 4096 Feb 22 23:45 knotifications5
drwxr-xr-x  4 root root 4096 Feb 22 23:57 kservices5
drwxr-xr-x  2 root root 4096 Feb 22 23:45 kservicetypes5
drwxr-xr-x  3 root root 4096 Aug  9  2022 language-selector
drwxr-xr-x  2 root root 4096 Feb  2 23:22 language-support
drwxr-xr-x  2 root root 4096 Aug  9  2022 language-tools
drwxr-xr-x  2 root root 4096 Feb  3  00:21 libcaca
drwxr-xr-x  2 root root 4096 Aug  9  2022 libc-bin
drwxr-xr-x  2 root root 4096 Aug  9  2022 libdebuginfod-common
drwxr-xr-x  2 root root 4096 Feb  2 23:22 libdrm
```

```
.. csg0000@cis-trouville: /usr/share -
```

```
drwxr-xr-x  2 root root 4096 Feb  2 23:22 libdrm
drwxr-xr-x  2 root root 4096 Aug  9  2022 libexttextcat
drwxr-xr-x  4 root root 4096 Aug  9  2022 libgnomekbd
drwxr-xr-x  2 root root 4096 Aug  9  2022 libgweather
drwxr-xr-x  2 root root 4096 Feb 22 23:31 libgweather-4
drwxr-xr-x  2 root root 12288 Feb  2 23:23 libinput
drwxr-xr-x  3 root root 4096 Aug  9  2022 liblangtag
drwxr-xr-x  3 root root 4096 Aug  9  2022 liblouis
drwxr-xr-x  3 root root 4096 Aug  9  2022 liblouisutdml
drwxr-xr-x  2 root root 4096 Feb  1 23:19 libmysofa
drwxr-xr-x  6 root root 4096 Feb  1 23:15 libreoffice
drwxr-xr-x  3 root root 4096 Aug  9  2022 librevenge
drwxr-xr-x  2 root root 4096 Aug  9  2022 libthai
drwxr-xr-x  3 root root 20480 Aug  9  2022 libwacom
drwxr-xr-x  3 root root 4096 Aug  9  2022 lightdm
drwxr-xr-x  4 root root 4096 Aug  9  2022 lintian
drwxr-xr-x  2 root root 4096 Aug  9  2022 linux-sound-base
drwxr-xr-x 241 root root 4096 Feb 23 00:58 locale
drwxr-xr-x 10 root root 4096 Feb  1 23:17 locale-langpack
drwxr-xr-x  2 root root 4096 Aug  9  2022 locales
drwxr-xr-x  2 root root 4096 Feb  2 23:36 lto-disabled-list
drwxr-xr-x  3 root root 4096 Aug  9  2022 m2300w
drwxr-xr-x 39 root root 4096 Feb 22 23:45 man
drwxr-xr-x  2 root root 4096 Aug  9  2022 man-db
drwxr-xr-x  3 root root 4096 Feb  3 00:10 mate-panel
drwxr-xr-x  3 root root 4096 Aug  9  2022 maven-repo
drwxr-xr-x  2 root root 12288 Aug  9  2022 media-player-info
drwxr-xr-x  2 root root 4096 Feb 23 00:06 menu
drwxr-xr-x  2 root root 4096 Feb  3 00:10 mesa-demos
drwxr-xr-x  2 root root 4096 Feb 23 00:58 metainfo
drwxr-xr-x  2 root root 4096 Feb  1 23:19 mfx
drwxr-xr-x 15 root root 4096 Feb 22 23:45 mime
drwxr-xr-x  2 root root 4096 Aug  9  2022 misc
```

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drwxr-xr-x  2 root root  4096 Aug  9  2022 misc
drwxr-xr-x  2 root root  4096 Aug  9  2022 mobile-broadband-provider-info
drwxr-xr-x  3 root root  4096 Aug  9  2022 ModemManager
drwxr-xr-x  2 root root  4096 Aug  9  2022 mousetweaks
drwxr-xr-x  2 root root  4096 Aug  9  2022 mythes
drwxr-xr-x  4 root root  4096 Aug  9  2022 nano
drwxr-xr-x  3 root root  4096 Aug  9  2022 nautilus
drwxr-xr-x  3 root root  4096 Feb  3 00:09 nautilus-python
drwxr-xr-x  3 root root  4096 Aug  9  2022 nautilus-share
drwxr-xr-x  5 root root  4096 Feb  3 00:10 nemo
drwxr-xr-x  2 root root  4096 Feb  3 00:21 netpbm
drwxr-xr-x  3 root root  4096 Feb  2 23:23 netplan
drwxr-xr-x  2 root root  4096 Feb  3 00:09 numpy3
drwxr-xr-x  3 root root  4096 Feb  1 23:19 open-vm-tools
drwxr-xr-x  2 root root  4096 Feb  2 23:25 openvpn
drwxr-xr-x  3 root root  4096 Aug  9  2022 orca
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  2 root root  4096 Feb  3 00:22 package-data-downloads
drwxr-xr-x  3 root root  4096 Aug  9  2022 PackageKit
drwxr-xr-x  2 root root  4096 Feb 14 18:42 pam
drwxr-xr-x  2 root root  4096 Feb 14 18:42 pam-configs
drwxr-xr-x  3 root root  4096 Aug  9  2022 perl
drwxr-xr-x  31 root root  4096 Feb 14 18:43 perl5
drwxr-xr-x  2 root root  4096 Aug  9  2022 perl-openssl-defaults
drwxr-xr-x  3 root root  4096 Feb  2 23:23 pipewire
drwxr-xr-x  4 root root  4096 Mar  5 16:46 pixmaps
drwxr-xr-x  2 root root  4096 Feb  2 23:22 pkgconfig
drwxr-xr-x  3 root root  4096 Aug  9  2022 plymouth
drwxr-xr-x  2 root root  4096 Aug  9  2022 pnmm2ppa
drwxr-xr-x  3 root root  4096 Feb  1 23:20 pocketsphinx
drwxr-xr-x  4 root root  4096 Aug  9  2022 polkit-1
drwxr-xr-x  6 root root  4096 Aug  9  2022 poppler
```

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1 / 1 + ⌂ ⌂ Tilix: ccollado@cis106vm: /usr/share AI Q - ×  
1: ccollado@cis106vm: /usr/share ~  
drwxr-xr-x 6 root root 4096 Aug 9 2022 poppler  
drwxr-xr-x 5 root root 4096 Aug 9 2022 ppd  
drwxr-xr-x 2 root root 4096 Aug 9 2022 ppp  
drwxr-xr-x 2 root root 4096 Aug 9 2022 publicsuffix  
drwxr-xr-x 3 root root 4096 Aug 9 2022 pulseaudio  
drwxr-xr-x 2 root root 4096 Aug 9 2022 pyshared  
drwxr-xr-x 6 root root 4096 Feb 2 23:22 python3  
drwxr-xr-x 3 root root 4096 Aug 9 2022 python-apt  
drwxr-xr-x 2 root root 4096 Feb 22 23:45 qlogging-categories5  
drwxr-xr-x 3 root root 4096 Feb 3 00:09 qt5  
drwxr-xr-x 2 root root 4096 Aug 9 2022 readline  
drwxr-xr-x 5 root root 4096 Aug 9 2022 remmina  
drwxr-xr-x 3 root root 4096 Aug 9 2022 rhythmbox  
drwxr-xr-x 2 root root 4096 Feb 23 00:06 rig  
drwxr-xr-x 3 root root 4096 Aug 9 2022 rsync  
drwxr-xr-x 2 root root 4096 Aug 9 2022 rsyslog  
drwxr-xr-x 4 root root 4096 Feb 3 00:10 rubygems-integration  
drwxr-xr-x 5 root root 4096 Aug 9 2022 rygel  
drwxr-xr-x 5 root root 4096 Feb 3 00:21 samba  
drwxr-xr-x 3 root root 4096 Aug 9 2022 seahorse  
drwxr-xr-x 3 root root 4096 Aug 9 2022 secureboot  
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  
drwxr-xr-x 2 root root 4096 Aug 9 2022 sgml-base  
drwxr-xr-x 2 root root 4096 Aug 9 2022 sgml-data  
drwxr-xr-x 4 root root 4096 Feb 28 17:56 snap  
drwxr-xr-x 4 root root 4096 Aug 9 2022 snmp  
drwxr-xr-x 3 root root 4096 Feb 5 20:15 software-properties  
drwxr-xr-x 3 root root 4096 Feb 22 23:45 solid  
drwxr-xr-x 11 root root 4096 Feb 22 23:31 sounds  
drwxr-xr-x 2 root root 12288 Aug 9 2022 source-highlight  
drwxr-xr-x 4 root root 4096 Aug 9 2022 speech-dispatcher
```

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drwxr-xr-x  4 root root 4096 Aug  9  2022 speech-dispatcher
drwxr-xr-x  2 root root 4096 Aug  9  2022 ssl-cert
drwxr-xr-x  7 root root 4096 Aug  9  2022 system-config-printer
drwxr-xr-x  2 root root 4096 Feb  2 23:22 systemd
drwxr-xr-x  3 root root 4096 Feb  3 00:10 systemtap
drwxr-xr-x  2 root root 4096 Aug  9  2022 tabset
drwxr-xr-x  3 root root 4096 Aug  9  2022 tcctlk
drwxr-xr-x  2 root root 4096 Jan 17  2022 terminfo
drwxr-xr-x  2 root root 4096 Feb  3 00:10 tex-common
drwxr-xr-x  7 root root 4096 Feb  3 00:10 texlive
drwxr-xr-x  6 root root 4096 Feb  3 00:10 texmf
drwxr-xr-x 32 root root 4096 Aug  9  2022 themes
drwxr-xr-x  2 root root 4096 Feb  2 23:24 thumbnailers
drwxr-xr-x  5 root root 4096 Feb  3 00:09 tilix
drwxr-xr-x  2 root root 4096 Aug  9  2022 totem
drwxr-xr-x  5 root root 4096 Aug  9  2022 tracker3
drwxr-xr-x  5 root root 4096 Aug  9  2022 tracker3-miners
drwxr-xr-x  3 root root 4096 Aug  9  2022 transmission
drwxr-xr-x  3 root root 4096 Aug  9  2022 ubuntu
drwxr-xr-x  4 root root 4096 Aug  9  2022 ubuntu-drivers-common
drwxr-xr-x  3 root root 4096 Feb 27 23:57 ubuntu-release-upgrader
drwxr-xr-x  3 root root 4096 Aug  9  2022 ubuntu-wayland
drwxr-xr-x  2 root root 4096 Aug  9  2022 ucf
drwxr-xr-x  4 root root 4096 Aug  9  2022 ufw
drwxr-xr-x  2 root root 4096 Aug  9  2022 unattended-upgrades
drwxr-xr-x  3 root root 4096 Feb 22 23:31 unity
drwxr-xr-x  3 root root 4096 Aug  9  2022 update-manager
drwxr-xr-x  5 root root 4096 Feb  5 20:15 update-notifier
drwxr-xr-x  5 root root 4096 Feb 22 23:31 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  5 root root 4096 Feb  2 23:23 vim
```

```
drwxr-xr-x  5 root root 4096 Feb  2 23:23 vim
drwxr-xr-x  4 root root 4096 Feb 22 23:45 vlc
drwxr-xr-x  5 root root 4096 Aug  9 2022 vulkan
drwxr-xr-x  2 root root 4096 Feb  3 00:21 w3m
drwxr-xr-x  2 root root 4096 Aug  9 2022 wayland-sessions
drwxr-xr-x  5 root root 4096 Aug  9 2022 X11
drwxr-xr-x  3 root root 4096 Feb  3 00:10 xapps-common
drwxr-xr-x  3 root root 4096 Aug  9 2022 xdg-desktop-portal
drwxr-xr-x 11 root root 4096 Aug  9 2022 xml
drwxr-xr-x  2 root root 4096 Aug  9 2022 xml-core
drwxr-xr-x  2 root root 4096 Feb 22 23:31 xsessions
drwxr-xr-x  6 root root 4096 Aug  9 2022 yelp
drwxr-xr-x  4 root root 4096 Aug  9 2022 yelp-xsl
drwxr-xr-x  2 root root 4096 Aug  9 2022 zenity
drwxr-xr-x 20 root root 4096 Feb  2 23:23 zoneinfo
drwxr-xr-x  3 root root 4096 Aug  9 2022 zoneinfo-icu
drwxr-xr-x  4 root root 4096 Feb  3 00:08 zsh
drwxr-xr-x  2 root root 4096 Feb  1 23:17 gir-1.0
drwxr-xr-x  3 root root 4096 Feb  2 23:22 glib-2.0
drwxr-xr-x  2 root root 4096 Aug  9 2022 gnome-bluetooth-3.0
drwxr-xr-x  3 root root 4096 Aug  9 2022 goa-1.0
drwxr-xr-x  4 root root 4096 Feb  1 23:19 gstreamer-1.0
drwxr-xr-x  3 root root 4096 Aug  9 2022 gtk-4.0
drwxr-xr-x  4 root root 4096 Feb  3 00:10 gtksourceview-2.0
drwxr-xr-x  4 root root 4096 Feb  3 00:10 gtksourceview-3.0
drwxr-xr-x  3 root root 4096 Aug  9 2022 gupnp-dlna-2.0
drwxr-xr-x  3 root root 4096 Aug  9 2022 org.gnome.Characters
drwxr-xr-x  2 root root 4096 Feb  2 23:25 drirc.d
cgcollado@cis106vm:/usr/share$ _
```

Question 5

```
1 / 1 + ↻ Tilix: cgc当地@cis106vm: ~/Downloads  
1: cgc当地@cis106vm: ~/Downloads ~  
cgc当地@cis106vm:~$ cd /  
cgc当地@cis106vm:$ cd /home/  
cgc当地@cis106vm:/home$ cd cgc当地/  
cgc当地@cis106vm:~$ cd Downloads/  
cgc当地@cis106vm:~/Downloads$ pwd  
/home/cgc当地/Downloads  
cgc当地@cis106vm:~/Downloads$ _  
  
cgc当地@cis106vm:~$ cd /usr/share/themes/Adwaita  
cgc当地@cis106vm:/usr/share/themes/Adwaita$ cd /home/cgc当地/Documents/  
cgc当地@cis106vm:~/Documents$ pwd  
/home/cgc当地/Documents  
cgc当地@cis106vm:~/Documents$ _
```