

Lab 4 Submission

Question 1

```
ojsevallano@cis106vm:~$ pwd
/home/ojsevallano
ojsevallano@cis106vm:~$ cd /usr/share/themes/
ojsevallano@cis106vm:/usr/share/themes$ pwd
/usr/share/themes
ojsevallano@cis106vm:/usr/share/themes$ cd /
ojsevallano@cis106vm:/$ cd /snap/firefox/
ojsevallano@cis106vm:/snap/firefox$
```

```
ojsevallano@cis106vm:/snap/firefox$ cd
ojsevallano@cis106vm:~$ pwd
/home/ojsevallano
ojsevallano@cis106vm:~$ cd Do
Documents/ Downloads/
ojsevallano@cis106vm:~$ cd Downloads/
ojsevallano@cis106vm:~/Downloads$ cd ../../
ojsevallano@cis106vm:/home$ pwd
/home
ojsevallano@cis106vm:/home$ ls
ojsevallano
ojsevallano@cis106vm:/home$ cd ojsevallano/
.cache/      Desktop/    .gnupg/    .local/    .pki/      snap/      Videos/
cis10622/    Documents/ incase/     Music/     practicels/ .ssh/      .vscode/
.config/     Downloads/ incase2/    Pictures/  Public/     Templates/ website/
ojsevallano@cis106vm:/home$ cd ojsevallano/Documents/
ojsevallano@cis106vm:~/Documents$ pwd
/home/ojsevallano/Documents
ojsevallano@cis106vm:~/Documents$
```

Question 2

```
ojsevallano@cis106vm:~/Documents$ cd /usr/share/
ojsevallano@cis106vm:/usr/share$ ls /home/ojsevallano/lab4files/
countries.json  document.docx  helloWorld.c  sample.xls  Ubuntu.pdf
csvfile.csv     globe.avi      Linux.pdf     Tux.png     website.html
ojsevallano@cis106vm:/usr/share$ cd /home/ojsevallano/lab4files/
ojsevallano@cis106vm:~/lab4files$ ls -l
total 6580
-rw-rw-r-- 1 ojsevallano ojsevallano 20471 Feb 22 2022 countries.json
-rw-rw-r-- 1 ojsevallano ojsevallano 284042 Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 ojsevallano ojsevallano 764176 Feb 22 2022 document.docx
-rw-rw-r-- 1 ojsevallano ojsevallano 742478 Feb 22 2022 globe.avi
-rw-rw-r-- 1 ojsevallano ojsevallano 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 ojsevallano ojsevallano 2600138 Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 ojsevallano ojsevallano 8704 Feb 22 2022 sample.xls
-rw-rw-r-- 1 ojsevallano ojsevallano 42777 Feb 22 2022 Tux.png
-rw-rw-r-- 1 ojsevallano ojsevallano 2114053 Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 ojsevallano ojsevallano 137453 Feb 22 2022 website.html
ojsevallano@cis106vm:~/lab4files$
```

```
ojsevallano@cis106vm: ~/lab4files x ojsevallano@cis106v
ojsevallano@cis106vm:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 ojsevallano ojsevallano 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 ojsevallano ojsevallano 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 ojsevallano ojsevallano 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 ojsevallano ojsevallano 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 ojsevallano ojsevallano 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 ojsevallano ojsevallano 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 ojsevallano ojsevallano 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 ojsevallano ojsevallano 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 ojsevallano ojsevallano 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 ojsevallano ojsevallano 135K Feb 22 2022 website.html
ojsevallano@cis106vm:~/lab4files$ ls -lhs
total 6.5M
-rw-rw-r-- 1 ojsevallano ojsevallano 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 ojsevallano ojsevallano 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 ojsevallano ojsevallano 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 ojsevallano ojsevallano 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 ojsevallano ojsevallano 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 ojsevallano ojsevallano 135K Feb 22 2022 website.html
-rw-rw-r-- 1 ojsevallano ojsevallano 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 ojsevallano ojsevallano 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 ojsevallano ojsevallano 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 ojsevallano ojsevallano 76 Feb 22 2022 helloWorld.c
ojsevallano@cis106vm:~/lab4files$
```

```
ojsevallano@cis106vm:~/lab4files$ ls -lhSgGi
total 6.5M
262166 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
263206 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
263209 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
263210 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
263208 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
263213 -rw-rw-r-- 1 135K Feb 22 2022 website.html
262167 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
263207 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
263212 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
263211 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
ojsevallano@cis106vm:~/lab4files$ ls -Xr
sample.xls  Ubuntu.pdf  countries.json  document.docx  helloWorld.c
Tux.png     Linux.pdf   website.html   csvfile.csv    globe.avi
ojsevallano@cis106vm:~/lab4files$
```

Question 3

```
ojsevilla@cis106vm:~$ cd /etc/
ojsevilla@cis106vm:/etc$ tree ~/lab4files/
/home/ojsevilla/lab4files/
├── countries.json
├── csvfile.csv
├── document.docx
├── globe.avi
├── helloWorld.c
├── Linux.pdf
├── sample.xls
├── Tux.png
├── Ubuntu.pdf
└── website.html

0 directories, 10 files
ojsevilla@cis106vm:/etc$ cd ~/Downloads/
Documents/ Downloads/
ojsevilla@cis106vm:/etc$ cd ~/Downloads/
ojsevilla@cis106vm:~/Downloads$ tree -fph ../lab4files/
[drwxrwxr-x 4.0K] ../lab4files
├── [-rw-rw-r-- 20K] ../lab4files/countries.json
├── [-rw-rw-r-- 277K] ../lab4files/csvfile.csv
├── [-rw-rw-r-- 746K] ../lab4files/document.docx
├── [-rw-rw-r-- 725K] ../lab4files/globe.avi
├── [-rw-rw-r-- 76] ../lab4files/helloWorld.c
├── [-rw-rw-r-- 2.5M] ../lab4files/Linux.pdf
├── [-rw-rw-r-- 8.5K] ../lab4files/sample.xls
├── [-rw-rw-r-- 42K] ../lab4files/Tux.png
├── [-rw-rw-r-- 2.0M] ../lab4files/Ubuntu.pdf
└── [-rw-rw-r-- 134K] ../lab4files/website.html

0 directories, 10 files
ojsevilla@cis106vm:~/Downloads$
```

```
ojsevilla@cis106vm:~/Downloads$ tree -tug ../lab4files/
[ojs ojs] ../lab4files/
├── [ojs ojs] Linux.pdf
├── [ojs ojs] Tux.png
├── [ojs ojs] Ubuntu.pdf
├── [ojs ojs] sample.xls
├── [ojs ojs] globe.avi
├── [ojs ojs] document.docx
├── [ojs ojs] csvfile.csv
├── [ojs ojs] countries.json
├── [ojs ojs] website.html
└── [ojs ojs] helloWorld.c
```

```
0 directories, 10 files
ojsevilla@cis106vm:~/Downloads$ exa --help
Usage:
  exa [options] [files...]
```

ojsevilla@cis106vm: ~/Downloads

```

ojsevillano@cis106vm:~/Downloads$ exa ~/lab4files/ -l
.rw-rw-r-- 20k ojsevillano 22 Feb 14:16 countries.json
.rw-rw-r-- 284k ojsevillano 22 Feb 14:15 csvfile.csv
.rw-rw-r-- 764k ojsevillano 22 Feb 14:13 document.docx
.rw-rw-r-- 742k ojsevillano 22 Feb 14:12 globe.avi
.rw-rw-r-- 76 ojsevillano 22 Feb 14:18 helloWorld.c
.rw-rw-r-- 2.6M ojsevillano 22 Feb 14:10 Linux.pdf
.rw-rw-r-- 8.7k ojsevillano 22 Feb 14:12 sample.xls
.rw-rw-r-- 43k ojsevillano 22 Feb 14:10 Tux.png
.rw-rw-r-- 2.1M ojsevillano 22 Feb 14:11 Ubuntu.pdf
.rw-rw-r-- 137k ojsevillano 22 Feb 14:16 website.html
ojsevillano@cis106vm:~/Downloads$ exa ~/lab4files/ -lh
Permissions Size User Date Modified Name
.rw-rw-r-- 20k ojsevillano 22 Feb 14:16 countries.json
.rw-rw-r-- 284k ojsevillano 22 Feb 14:15 csvfile.csv
.rw-rw-r-- 764k ojsevillano 22 Feb 14:13 document.docx
.rw-rw-r-- 742k ojsevillano 22 Feb 14:12 globe.avi
.rw-rw-r-- 76 ojsevillano 22 Feb 14:18 helloWorld.c
.rw-rw-r-- 2.6M ojsevillano 22 Feb 14:10 Linux.pdf
.rw-rw-r-- 8.7k ojsevillano 22 Feb 14:12 sample.xls
.rw-rw-r-- 43k ojsevillano 22 Feb 14:10 Tux.png
.rw-rw-r-- 2.1M ojsevillano 22 Feb 14:11 Ubuntu.pdf
.rw-rw-r-- 137k ojsevillano 22 Feb 14:16 website.html
ojsevillano@cis106vm:~/Downloads$ exa ~/lab4files/ -lh --no-user -U
Permissions Size Date Created Name
.rw-rw-r-- 20k 13 Oct 13:31 countries.json
.rw-rw-r-- 284k 13 Oct 13:31 csvfile.csv
.rw-rw-r-- 764k 13 Oct 13:31 document.docx
.rw-rw-r-- 742k 13 Oct 13:31 globe.avi
.rw-rw-r-- 76 13 Oct 13:31 helloWorld.c
.rw-rw-r-- 2.6M 13 Oct 13:31 Linux.pdf
.rw-rw-r-- 8.7k 13 Oct 13:31 sample.xls
.rw-rw-r-- 43k 13 Oct 13:31 Tux.png
.rw-rw-r-- 2.1M 13 Oct 13:31 Ubuntu.pdf
.rw-rw-r-- 137k 13 Oct 13:31 website.html
ojsevillano@cis106vm:~/Downloads$ █

```

Challenge Question 4

gsevillanogcsl06vnt:/dev/disk/by-uuid \$ ls -t /usr/share/themes/	Varu-blue	Varu-dark-hdpt	Varu-magenta	Varu-olive-dark	Varu-purple	Varu-red-dark	Varu-virtdlan	Default	Adwaita
Varu-bark	Varu-blue-dark	Varu-dark-xhdp1	Varu-nagenta-dark	Varu-prusslangreen	Varu-purple-dark	Varu-sage	Varu-virtdlan-dark	Enacs	Adwaita-dark
Varu-bark-dark	Varu-dark	Varu-hdpt	Varu-olive	Varu-prusslangreen-dark	Varu-red	Varu-sage-dark	Varu-xhdp1	Raleigh	HighContrast
gsevillanogcsl06vnt:/dev/disk/by-uuid \$ ls -X /usr/share/									
accounts-service	dconf	gdb	gupp-av	libgnomeid	netpbm	samba			update-notifier
aclocal	debconf	grfs	libgnome	libgnomehtml	netplan	seahorse			upstart
acpi-support	debhelper	geany	help	libgweather-4	numpy3	secureboot			usb-creator
adduser	debiannutils	gedit	help-langpack	libinput	open-vn-tools	sensible-utils			usb-modeswitch
ahisleriot	defaults	GeoIP	hplip	liblangtag	openvpn	session-migration			vala
alacarte	desktop-directories	gettext	hunsPELL	liblouis	orca	sgml			vin
alsa	ghostscript	hwdata	liblouis	liblouis-data	or-prober	sgml-base			vlc
alsa-base	dictionaries-common	gtk-core	hypykn	libnfsora	pi1-kt	sgml-data			vulkan
alsa-card-profile	dictio-info	gttweb	libn	libreoffice	package-data-downloads	snp			w3m
appdata	djvu	glade	ibus	librevenge	PackageKit	software-properties			wayland-sessions
app-info	dns	glvnd	ibus-table	libthai	pam	solid			X11
applications	dnsmasq-base	gnpc	icons	libwacom	pan-configs	sounds			xapps-common
apt	doc	gnome	imagetick-d	lightdm	perl	source-highlight			xdp-desktop-portal
apt-get	doc-base	gnome-applets	io-config	literation	perl5	speech-dispatcher			xm
apturl	dpkg	gnome-background-properties	indicator-application	linux-sound-base	perl-openssl-defaults	ssl-cert			xml-core
aspell	enacs	gnome-bluetooth	indicator-power	locale	pipewire	system-config-printer			xsessions
avahi	enacs-common	gnome-control-center	indicators	locale-langpack	pixmaps	systemd			yelp
backgrounds	enchant-2	gnome-initial-setup	info	locales	configfng	systemtap			yelp-xsl
backgrounds-fs	eng	gnome-logs	intetransf-tools	lto-disabled-list	plymouth	tabset			zenity
base-passwd	epiphany-browser	gnome-mahjongg	installed-tests	n2300w	pm2ppa	tcitk			zoneinfo
base-completion	evince	gnome-panel	ltp-usb	nan	packetstphnx	termInfo			zoneinfo-icu
binfmts	evolution-data-server	gnome-remote-desktop	lptables	nan-db	polkit-1	tex-common			zsh
branding	figlet	gnome-session	iso-codes	nate-panel	poppler	toxlive			glib-2.0
brlty	file	gnome-settings-daemon	java	naven-repo	ppd	txmf			gnome-bluetooth-3.0
build-essential	file-roller	gnome-shell	javascript	medi-a-player-info	ppp	themes			goa-1.0
ca-certificates	fish	gnome-software	kconf_update	publicsuffix	publicsuffix	thumbnaillers			gststreamer-1.0
caffeine-indicator	flameshot	gnome-system-monitor	kde4	mesa-demos	pulseaudio	tilix			gtk-4.0
catdoc	flatpak	gnome-todo	keyrings	metainfo	pyshared	toten			tracker3
catdoc	fontconfig	gnome-tweaks	kfs	mfx	python3	tracker3			gtksourceview-2.0
code	fontconfig	gnome-video-effects	keyificationsns	mtc	python3-apt	tracker3-miners			gtksourceview-3.0
color	fonts	gnupg	kservices5	nisc	logging-categories5	transmission			supp-dlna-2.0
color	fonts-droid-fallback	grilo-plugins	kserviceTypes5	mobile-broadband-provider-info	qt5	ubuntu			org.gnome.Characters
color	fonts-stl-padauk	groff	language-selector	ModemManager	readline	ubuntu-drivers-common			drirc.d
common-licenses	foo2qpdf	grub	language-support	mouse tweaks	remnina	ubuntu-release-upgrader			ubuntu-wayland
consolefont	foo2zjs	gvnc-gfxpayload-lists	language-tools	noythes	rhythmbox	ucf			ufw
console-setup	fwupd	gtk-glib-base	libcaca	libcaca	rig	ufw			unattended-upgrades
consoletrans	ganemote	gtk-docs	libc-bin	nautilus	rsync	ufw			
cowsay	games	gtk-engines	libdebutnfof-common	nautilus-python	rsync				