Lab 3 | Installing software and navigating the file system | Answers
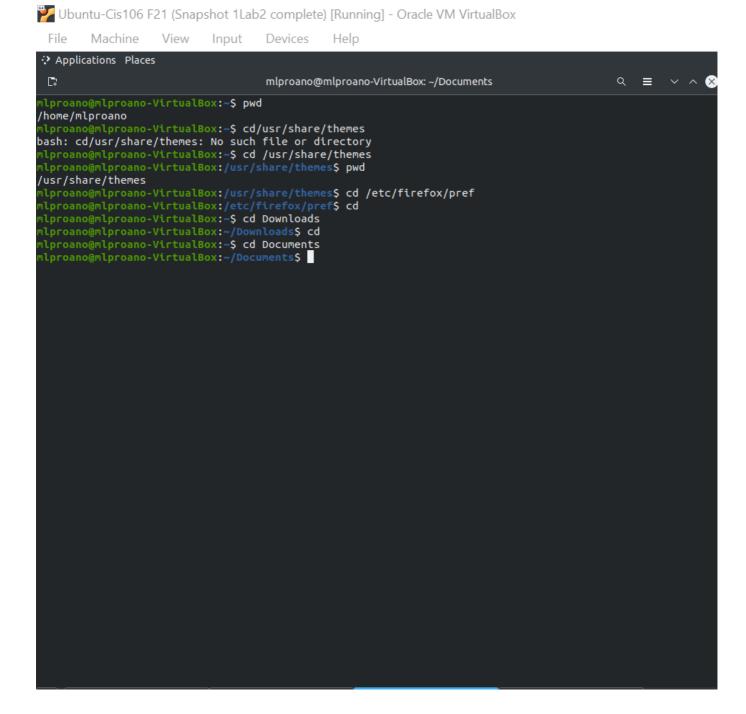
Assignment description here

Question 1

1. Which command did you use to search for the themes and to install them?

- apt search - to search for the package
- sudo apt install (name of package)

1. Which commands did you use to find and install the web browser? sudo apt install alice 3.1 What is the name of the package? games-racing 3.2 What dependencies are needed in order to install the package? (you can either take a screenshot of the terminal or copy and paste from the terminal) antigravitaattori armagetronad armagetronad-common bloboats extremetuxracer extremetuxracer-data fonts-cantarell fonts-noto-core fonts-noto-ui-core freeglut3 games-racing games-tasks gltron liballegro4.4 libalut0 libccd2 libclanapp-1.0v5 libdevil1c2 libftgl2 libglew2.1 libglfw3 libilmbase24 liblua5.1-0 libmcpp0 libmng2 libnetpbm10 libode8 libphysfs1 libplib1 libraqm0 libsdl-net1.2 libsdl-sound1.2 libsdl2-image-2.0-0 libsfml-audio2.5 libsfml-graphics2.5 libsfml-system2.5 libsfml-window2.5 libsquish0 libtinyxml2-6a libtinyxml2.6.2v5 libxdg-basedir1 netpbm pink-pony pink-pony-data pyracerz stormbaancoureur stormbaancoureur-data supertuxkart supertuxkart-data tasksel tasksel-data torcs torcs-data trigger-rally trigger-rally-data trophy trophy-data ttf-dejavu-core xmoto xmoto-data xracer

3.3 How much disk space will the package utilize after installation? 1,611 MB of additional disk space will be used.

Question 2

Ubuntu-Cis106 F21 (Snapshot 1Lab2 complete) [Running] - Oracle VM VirtualBox

File   Machine   View   Input   Devices   Help

Applications Places

mlproano@mlproano-VirtualBox: ~/Documents

```
mlproano@mlproano-VirtualBox:~$ pwd
/home/mlproano
mlproano@mlproano-VirtualBox:~$ cd/usr/share/themes
bash: cd/usr/share/themes: No such file or directory
mlproano@mlproano-VirtualBox:~$ cd /usr/share/themes
mlproano@mlproano-VirtualBox:/usr/share/themes$ pwd
/usr/share/themes
mlproano@mlproano-VirtualBox:/usr/share/themes$ cd /etc/firefox/pref
mlproano@mlproano-VirtualBox:/etc/firefox/pref$ cd
mlproano@mlproano-VirtualBox:~$ cd Downloads
mlproano@mlproano-VirtualBox:~/Downloads$ cd
mlproano@mlproano-VirtualBox:~$ cd Documents
mlproano@mlproano-VirtualBox:~/Documents$
```

Question 3

```
                          mlproano@mlproano-VirtualBox: ~            🔍  ≡   ∨  ∧  ⊗

          mlproano@mlproano-VirtualBox: ~     ⊗        mlproano@mlproano-VirtualBox: ~    ⊗   ▼

mlproano@mlproano-VirtualBox:~$ ls downloads
ls: cannot access 'downloads': No such file or directory
mlproano@mlproano-VirtualBox:~$ ls Downloads
car1.jpeg  car2.jpg  car3.jpeg
mlproano@mlproano-VirtualBox:~$ ls -a Downloads
.  ..   car1.jpeg  car2.jpg  car3.jpeg
mlproano@mlproano-VirtualBox:~$ ls -al Downloads
total 444
drwxr-xr-x  2 mlproano mlproano   4096 Oct  6 13:34 .
drwxr-xr-x 20 mlproano mlproano   4096 Oct  6 13:29 ..
-rw-rw-r--  1 mlproano mlproano  80338 Oct  6 13:33 car1.jpeg
-rw-rw-r--  1 mlproano mlproano 351907 Oct  6 13:34 car2.jpg
-rw-rw-r--  1 mlproano mlproano   9215 Oct  6 13:34 car3.jpeg
mlproano@mlproano-VirtualBox:~$ ls -alh Downloads
total 444K
drwxr-xr-x  2 mlproano mlproano 4.0K Oct  6 13:34 .
drwxr-xr-x 20 mlproano mlproano 4.0K Oct  6 13:29 ..
-rw-rw-r--  1 mlproano mlproano  79K Oct  6 13:33 car1.jpeg
-rw-rw-r--  1 mlproano mlproano 344K Oct  6 13:34 car2.jpg
-rw-rw-r--  1 mlproano mlproano 9.0K Oct  6 13:34 car3.jpeg
mlproano@mlproano-VirtualBox:~$ ls -h Downloads
car1.jpeg  car2.jpg  car3.jpeg
mlproano@mlproano-VirtualBox:~$ ls -Gh Downloads
car1.jpeg   car2.jpg   car3.jpeg
```

```
mlproano@mlproano-VirtualBox:~$ ls -lhG
total 40K
drwxrwxr-x 7 mlproano 4.0K Sep 30 19:12 cis106
drwxr-xr-x 2 mlproano 4.0K Oct  5 15:50 Desktop
drwxr-xr-x 2 mlproano 4.0K Sep 29 22:02 Documents
drwxr-xr-x 2 mlproano 4.0K Oct  6 13:34 Downloads
drwxr-xr-x 2 mlproano 4.0K Sep 29 22:02 Music
drwxr-xr-x 2 mlproano 4.0K Sep 29 22:02 Pictures
drwxr-xr-x 2 mlproano 4.0K Sep 29 22:02 Public
drwxr-xr-x 3 mlproano 4.0K Sep 29 23:07 snap
drwxr-xr-x 2 mlproano 4.0K Sep 29 22:02 Templates
drwxr-xr-x 2 mlproano 4.0K Sep 29 22:02 Videos
mlproano@mlproano-VirtualBox:~$
```

Question 4

```
mlproano@mlproano-VirtualBox:~$ tree ~Downloads
~Downloads [error opening dir]

0 directories, 0 files
mlproano@mlproano-VirtualBox:~$ tree ~/Downloads
/home/mlproano/Downloads
├── car1.jpeg
├── car2.jpg
└── car3.jpeg
```

```
0 directories, 3 files
mlproano@mlproano-VirtualBox:~$ tree -pug
.
├── [drwxrwxr-x mlproano mlproano]  cis106
│   ├── [drwxrwxr-x mlproano mlproano]  images
│   │   ├── [-rw-rw-rw- mlproano mlproano]  alicedependancies.png
│   │   ├── [-rw-rw-rw- mlproano mlproano]  lab3q2.png
│   │   ├── [-rw-rw-rw- mlproano mlproano]  Lab3Q3.png
│   │   ├── [-rw-rw-rw- mlproano mlproano]  lab3q3pt2.png
│   │   ├── [-rw-rw-rw- mlproano mlproano]  question2.png
│   │   ├── [-rw-rw-rw- mlproano mlproano]  question3.png
│   │   ├── [-rw-rw-rw- mlproano mlproano]  question4.png
│   │   └── [-rw-rw-rw- mlproano mlproano]  question5.png
│   ├── [-rw-rw-r-- mlproano mlproano]  img2.png
│   ├── [-rw-rw-r-- mlproano mlproano]  img3.png
│   ├── [-rw-rw-r-- mlproano mlproano]  img.png
│   ├── [-rw-rw-r-- mlproano mlproano]  lab1.md
│   ├── [-rw-rw-r-- mlproano mlproano]  lab1.pdf
│   ├── [drwxrwxr-x mlproano mlproano]  labs
│   │   ├── [-rw-rw-rw- mlproano mlproano]  Desktop1.png
│   │   ├── [-rw-rw-rw- mlproano mlproano]  desktop2.png
│   │   ├── [-rw-rw-rw- mlproano mlproano]  notes-0.md
│   │   └── [-rw-rw-rw- mlproano mlproano]  notes-0.pdf
│   ├── [drwxrwxr-x mlproano mlproano]  Labs
│   │   ├── [-rw-rw-r-- mlproano mlproano]  lab2.md
│   │   └── [-rw-rw-r-- mlproano mlproano]  lab3.md
│   ├── [drwxrwxr-x mlproano mlproano]  notes
│   └── [-rw-rw-r-- mlproano mlproano]  README.md
├── [drwxr-xr-x mlproano mlproano]  Desktop
│   └── [-rw-r--r-- mlproano mlproano]  org.gnome.Terminal.desktop
├── [drwxr-xr-x mlproano mlproano]  Documents
├── [drwxr-xr-x mlproano mlproano]  Downloads
│   ├── [-rw-rw-r-- mlproano mlproano]  car1.jpeg
│   ├── [-rw-rw-r-- mlproano mlproano]  car2.jpg
│   └── [-rw-rw-r-- mlproano mlproano]  car3.jpeg
├── [drwxr-xr-x mlproano mlproano]  Music
├── [drwxr-xr-x mlproano mlproano]  Pictures
├── [drwxr-xr-x mlproano mlproano]  Public
├── [drwxr-xr-x mlproano mlproano]  snap
│   └── [drwxr-xr-x mlproano mlproano]  code
│       ├── [drwxr-xr-x mlproano mlproano]  75
│       ├── [drwxr-xr-x mlproano mlproano]  common
│       └── [lrwxrwxrwx mlproano mlproano]  current -> 75
```

```
18 directories, 24 files
mlproano@mlproano-VirtualBox:~$ tree ~pug/Downloads
~pug/Downloads [error opening dir]

0 directories, 0 files
mlproano@mlproano-VirtualBox:~$ tree -pug ~/Downloads
/home/mlproano/Downloads
├── [-rw-rw-r-- mlproano mlproano]  car1.jpeg
├── [-rw-rw-r-- mlproano mlproano]  car2.jpg
└── [-rw-rw-r-- mlproano mlproano]  car3.jpeg

0 directories, 3 files
mlproano@mlproano-VirtualBox:~$ tree -pugh ~/Downloads
/home/mlproano/Downloads
├── [-rw-rw-r-- mlproano mlproano  78K]  car1.jpeg
├── [-rw-rw-r-- mlproano mlproano 344K]  car2.jpg
└── [-rw-rw-r-- mlproano mlproano 9.0K]  car3.jpeg

0 directories, 3 files
mlproano@mlproano-VirtualBox:~$ tree -pught ~/Downloads
/home/mlproano/Downloads
├── [-rw-rw-r-- mlproano mlproano  78K]  car1.jpeg
├── [-rw-rw-r-- mlproano mlproano 344K]  car2.jpg
└── [-rw-rw-r-- mlproano mlproano 9.0K]  car3.jpeg

0 directories, 3 files
mlproano@mlproano-VirtualBox:~$ tree -pughtD ~/Downloads
/home/mlproano/Downloads
├── [-rw-rw-r-- mlproano mlproano  78K Oct  6 13:33]  car1.jpeg
├── [-rw-rw-r-- mlproano mlproano 344K Oct  6 13:34]  car2.jpg
└── [-rw-rw-r-- mlproano mlproano 9.0K Oct  6 13:34]  car3.jpeg
```

```
mlproano@mlproano-VirtualBox:~$ tree -H Downloads
<!DOCTYPE html>
<html>
<head>
 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
 <meta name="Author" content="Made by 'tree'">
 <meta name="GENERATOR" content="$Version: $ tree v1.8.0 (c) 1996 - 2018 by Steve Baker, Thomas Moore, Fr
ancesc Rocher, Florian Sesser, Kyosuke Tokoro $">
 <title>Directory Tree</title>
 <style type="text/css">
  <!--
  BODY { font-family : ariel, monospace, sans-serif; }
  P { font-weight: normal; font-family : ariel, monospace, sans-serif; color: black; background-color: tr
```

```
mlproano@mlproano-VirtualBox:~$ tree -Ho Downloads/ website.html
mlproano@mlproano-VirtualBox:~$ ls
cis106  Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos  website.html
mlproano@mlproano-VirtualBox:~$ xdg-open website.html
mlproano@mlproano-VirtualBox:~$ ☐
```

Question 5

```
mlproano@mlproano-VirtualBox:~$ wget http://archive.ubuntu.com/ubuntu/pool/universe/r/rust-exa/exa_0.9.0-
4_amd64.deb
--2021-10-06 14:29:14--  http://archive.ubuntu.com/ubuntu/pool/universe/r/rust-exa/exa_0.9.0-4_amd64.deb
Resolving archive.ubuntu.com (archive.ubuntu.com)... 91.189.88.142, 91.189.88.152
Connecting to archive.ubuntu.com (archive.ubuntu.com)|91.189.88.142|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 301592 (295K) [application/x-debian-package]
Saving to: 'exa_0.9.0-4_amd64.deb'

exa_0.9.0-4_amd64.deb      100%[===================================>] 294.52K   712KB/s    in 0.4s

2021-10-06 14:29:15 (712 KB/s) - 'exa_0.9.0-4_amd64.deb' saved [301592/301592]

mlproano@mlproano-VirtualBox:~$ ls
cis106    Documents   exa_0.9.0-4_amd64.deb  Pictures   snap       Videos
Desktop   Downloads   Music                  Public     Templates  website.html
mlproano@mlproano-VirtualBox:~$ sudo apt install exa
exabgp          exactimage      exadrums        examl           example-content
mlproano@mlproano-VirtualBox:~$ sudo apt install exa
exabgp          exactimage      exadrums        examl           example-content
mlproano@mlproano-VirtualBox:~$ sudo apt install exa
exabgp          exactimage      exadrums        examl           example-content
mlproano@mlproano-VirtualBox:~$ sudo apt install ./exa_0.9.0-4_amd64.deb
[sudo] password for mlproano:
Reading package lists... Done
Building dependency tree
Reading state information... Done
Note, selecting 'exa' instead of './exa_0.9.0-4_amd64.deb'
The following packages were automatically installed and are no longer required:
  apport-symptoms guile-2.2-libs libevent-2.1-7 libgc1c2 libgnome-games-support-1-3
  libgnome-games-support-common libnatpmp1 libqqwing2v5 python3-systemd
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  exa
0 upgraded, 1 newly installed, 0 to remove and 12 not upgraded.
Need to get 0 B/302 kB of archives.
After this operation, 890 kB of additional disk space will be used.
Get:1 /home/mlproano/exa_0.9.0-4_amd64.deb exa amd64 0.9.0-4 [302 kB]
Selecting previously unselected package exa.
(Reading database ... 237530 files and directories currently installed.)
Preparing to unpack .../mlproano/exa_0.9.0-4_amd64.deb ...
Unpacking exa (0.9.0-4) ...
Setting up exa (0.9.0-4) ...
Processing triggers for man-db (2.9.1-1) ...
```

```
.rw-rw-r-- 351k mlproano  6 Oct 13:34 car2.jpg
.rw-rw-r-- 9.2k mlproano  6 Oct 13:34 car3.jpeg
mlproano@mlproano-VirtualBox:~$ exa -lmh Downloads
Permissions Size User     Date Modified Name
.rw-rw-r--  80k mlproano  6 Oct 13:33  car1.jpeg
.rw-rw-r-- 351k mlproano  6 Oct 13:34  car2.jpg
.rw-rw-r-- 9.2k mlproano  6 Oct 13:34  car3.jpeg
```