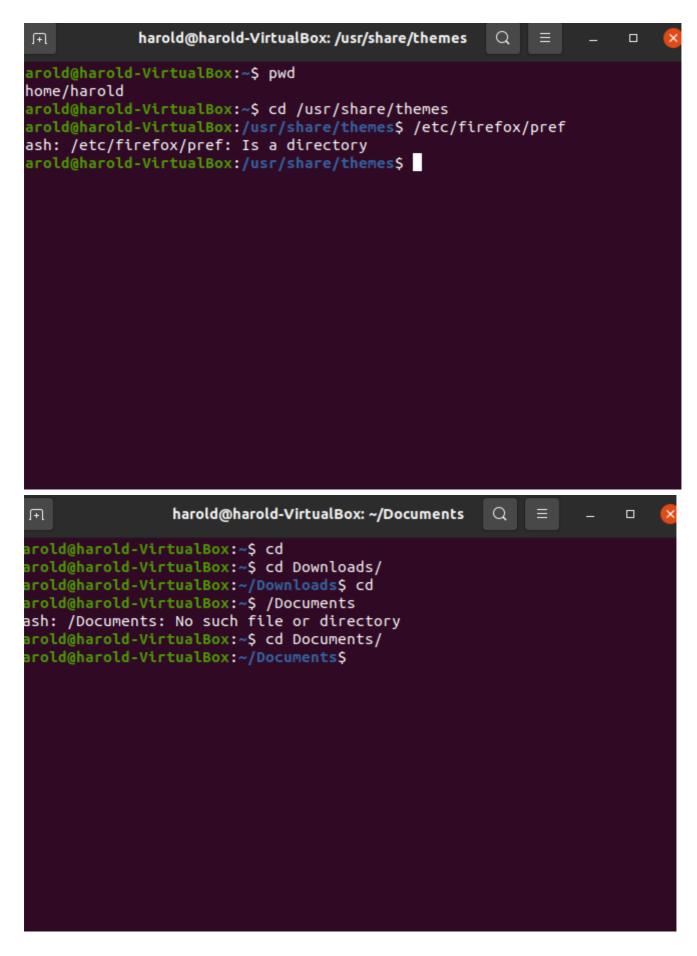# Lab 3 | Installing software and navigating the file system | Answers

Assignment description here

Question 1

1. Which command did you use to search for the themes and to install them? apt search 'gtk theme' & sudo apt install yuyo-gtk-theme.
2. Which commands did you use to find and install the web browser? apt search web browser. 3.1 What is the name of the package? qutebrowser-qtwebkit

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) 0 upgraded, 31 newly installed, 0 to remove and 21 not upgraded. Need to get 25.3 MB of archives.

3.3 How much disk space will the package utilize after installation? After this operation, 106 MB of additional disk space will be used.

Question 2

```
┌─┐                harold@harold-VirtualBox: /usr/share/themes    🔍  ☰   —  □   ⊗
└+┘

arold@harold-VirtualBox:~$ pwd
home/harold
arold@harold-VirtualBox:~$ cd /usr/share/themes
arold@harold-VirtualBox:/usr/share/themes$ /etc/firefox/pref
ash: /etc/firefox/pref: Is a directory
arold@harold-VirtualBox:/usr/share/themes$ ▊
```

```
┌─┐                harold@harold-VirtualBox: ~/Documents         🔍  ☰   —  □   ⊗
└+┘

arold@harold-VirtualBox:~$ cd
arold@harold-VirtualBox:~$ cd Downloads/
arold@harold-VirtualBox:~/Downloads$ cd
arold@harold-VirtualBox:~$ /Documents
ash: /Documents: No such file or directory
arold@harold-VirtualBox:~$ cd Documents/
arold@harold-VirtualBox:~/Documents$
```

Question 3

Question 4

Question 5

```
harold@harold-VirtualBox:~$ exa -l Downloads/
.rw-rw-r-- 160k harold  7 Oct 22:01 cat.png
.rw-rw-r-- 4.9k harold  7 Oct 22:03 dog.jpeg
.rw-rw-r-- 5.8k harold  7 Oct 22:04 dog2.jpeg
.rw-rw-r-- 4.9k harold  7 Oct 22:04 dog3.jpeg
drwxrwxr-x    - harold  1 Oct 23:50 lab2
.rw-rw-r--  656 harold  1 Oct 23:56 Which project will you be completing_
Bu
```

```
harold@harold-VirtualBox:~$ exa -ht Downloads/
cis-106     Downloads              Pictures  Templates
Desktop     exa_0.9.0-4_amd64.deb  Public    Videos
Documents   Music                  snap      website.html
```

```
-(so)
harold@harold-VirtualBox:~$ tree --help
usage: tree [-acdfghilnpqrstuvxACDFJQNSUX] [-H baseHREF] [-T title ]
        [-L level [-R]] [-P pattern] [-I pattern] [-o filename] [--version
        [--help] [--inodes] [--device] [--noreport] [--nolinks] [--dirsfir
t]
        [--charset charset] [--filelimit[=]#] [--si] [--timefmt[=]<f>]
        [--sort[=]<name>] [--matchdirs] [--ignore-case] [--fromfile] [--]
        [<directory list>]
  ------- Listing options -------
  -a            All files are listed.
  -d            List directories only.
  -l            Follow symbolic links like directories.
  -f            Print the full path prefix for each file.
  -x            Stay on current filesystem only.
  -L level      Descend only level directories deep.
  -R            Rerun tree when max dir level reached.
  -P pattern    List only those files that match the pattern given.
  -I pattern    Do not list files that match the given pattern.
  --ignore-case Ignore case when pattern matching.
  --matchdirs   Include directory names in -P pattern matching.
  --noreport    Turn off file/directory count at end of tree listing.
  --charset X   Use charset X for terminal/HTML and indentation line outpu
.
  --filelimit # Do not descend dirs with more than # files in them.
  --timefmt <f> Print and format time according to the format <f>.
  -o filename   Output to file instead of stdout.
  ------- File options -------
```

```
    # Lab 3 | Ins...    Directory Tr...    harold@har...    [Software U...
```

```
harold@harold-VirtualBox:~$ tree -d
.
├── cis-106
│   ├── images
│   ├── labs
│   │   └── lab3.md
│   └── nodes
├── Desktop
├── Documents
├── Downloads
│   └── lab2
├── Music
├── Pictures
├── Public
├── snap
│   └── code
│       ├── 75
│       ├── 76
│       ├── common
│       └── current -> 75
├── Templates
└── Videos

20 directories
harold@harold-VirtualBox:~$ tree -h
```

```
harold@harold-VirtualBox:~$ tree -h
.
├── [4.0K]  cis-106
│   ├── [4.0K]  images
│   │   ├── [385K]  Lab2- 4.PNG
│   │   ├── [ 59K]  Lab2.PNG
│   │   ├── [852K]  Lab2-Q3.PNG
│   │   ├── [385K]  Lab2-Q4.PNG
│   │   ├── [112K]  Lab2-Q5.PNG
│   │   ├── [ 34K]  labq2-1.png
│   │   ├── [ 29K]  labq2.png
│   │   ├── [133K]  labq3.png
│   │   ├── [ 17K]  labq4-1.png
│   │   └── [ 36K]  labq4.png
│   ├── [189K]  img1.PNG
│   ├── [ 29K]  img2.PNG
│   ├── [ 29K]  img3.PNG
│   ├── [ 21K]  img4.PNG
│   ├── [5.0K]  Lab1.md
│   ├── [292K]  Lab1.pdf
│   ├── [4.0K]  labs
│   │   ├── [7.7K]  lab2.html
│   │   ├── [623K]  lab2.jpeg
│   │   ├── [ 368]  lab2.md
│   │   ├── [1.2M]  lab2.pdf
│   │   ├── [834K]  lab2.png
│   │   └── [4.0K]  lab3.md
│   │       └── [1.1K]  # Lab 3 | Installing software and naviga.md
│   ├── [4.0K]  nodes
│   └── [ 67]  README.md
├── [4.0K]  Desktop
│   └── [ 549]  org.gnome.Terminal.desktop
├── [4.0K]  Documents
├── [4.0K]  Downloads
│   ├── [157K]  cat.png
│   ├── [5.7K]  dog2.jpeg
│   ├── [4.8K]  dog3.jpeg
│   ├── [4.7K]  dog.jpeg
│   ├── [4.0K]  lab2
│   │   ├── [1.2M]  lab2.pdf
│   │   └── [ 656]  Which project will you be completing? By
```

Lab 3 | Installing sof...   Directory Tree — Moz...   harold@

```
          │  ├── [1.2M]  lab2.pdf
          │  └── [ 656]  Which project will you be completing? Bu
          └── [ 656]  Which project will you be completing_ Bu
├── [295K]  exa_0.9.0-4_amd64.deb
├── [4.0K]  Music
├── [4.0K]  Pictures
├── [4.0K]  Public
├── [4.0K]  snap
│   └── [4.0K]  code                           6 / 6
│       ├── [4.0K]  75
│       ├── [4.0K]  76
│       ├── [4.0K]  common
│       └── [   2]  current -> 75
├── [4.0K]  Templates
├── [4.0K]  Videos
└── [6.2K]  website.html

20 directories, 33 files
harold@harold-VirtualBox:~$
```

Lab 3 | Installing sof...   Directory Tree — Moz...   harold