

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?

To search I used, apt search theme, then to install I used, sudo apt install breeze-gtk-theme

2. Which commands did you use to find and install the web browser?

I used apt search gtk web browser, then used, sudo apt install netsurf-gtk

3. Use the command line to find a 3D or 2D racing game. Answer the following questions about the game:

3.1 What is the name of the package?

tigger-rally

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)

```

CIS-106-ubuntu-18.04 (Snapshot 3 VS CODE EXT Installed) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Applications Places

bjlazarro@CIS106VM: ~
bjlazarro@CIS106VM:~$ sudo apt install trigger-rally
Reading package lists... Done
Building dependency tree
Reading state information... Done
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 libqwtng2v5 mate-icon-theme python3-systemd ubuntu-mate-icon-themes
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libalut0 libglew2.1 libphysfs1 libSDL2-image-2.0-0 libtynxml2-6a trigger-rally-data
Suggested packages:
  glew-utils
The following NEW packages will be installed:
  libalut0 libglew2.1 libphysfs1 libSDL2-image-2.0-0 libtynxml2-6a trigger-rally trigger-rally-data
0 upgraded, 7 newly installed, 0 to remove and 37 not upgraded.
Need to get 248 kB/119 MB of archives.
After this operation, 126 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu focal/universe amd64 trigger-rally amd64 0.6.6.1-3 [248 kB]
Fetched 248 kB in 2s (138 kB/s)
Selecting previously unselected package libalut0:amd64.
(Reading database ... 219828 files and directories currently installed.)
Preparing to unpack .../0-libalut0.1.1.0-6_amd64.deb ...
Unpacking libalut0:amd64 (1.1.0-6) ...
Selecting previously unselected package libglew2.1:amd64.
Preparing to unpack .../1-libglew2.1.2.1.0-4_amd64.deb ...
Unpacking libglew2.1:amd64 (2.1.0-4) ...
Selecting previously unselected package libphysfs1:amd64.
Preparing to unpack .../2-libphysfs1.3.0.2-4_amd64.deb ...
Unpacking libphysfs1:amd64 (3.0.2-4) ...
Selecting previously unselected package libSDL2-image-2.0-0:amd64.
Preparing to unpack .../3-libSDL2-image-2.0-0-2.0.5+dfsg1-2_amd64.deb ...
Unpacking libSDL2-image-2.0-0:amd64 (2.0.5+dfsg1-2) ...
Selecting previously unselected package libtynxml2-6a:amd64.
Preparing to unpack .../4-libtynxml2-6a.7.0.0+dfsg-1build1_amd64.deb ...
Unpacking libtynxml2-6a:amd64 (7.0.0+dfsg-1build1) ...
Selecting previously unselected package trigger-rally-data.
Preparing to unpack .../5-trigger-rally-data_0.6.6.1-3_all.deb ...
Unpacking trigger-rally-data (0.6.6.1-3) ...
Selecting previously unselected package trigger-rally.
Preparing to unpack .../6-trigger-rally_0.6.6.1-3_amd64.deb ...
Unpacking trigger-rally (0.6.6.1-3) ...
Setting up libSDL2-image-2.0-0:amd64 (2.0.5+dfsg1-2) ...
Setting up libphysfs1:amd64 (3.0.2-4) ...
Setting up libtynxml2-6a:amd64 (7.0.0+dfsg-1build1) ...
Setting up trigger-rally-data (0.6.6.1-3) ...
Setting up libglew2.1:amd64 (2.1.0-4) ...
Setting up libalut0:amd64 (1.1.0-6) ...
Setting up trigger-rally (0.6.6.1-3) ...
Processing triggers for mime-support (3.6ubuntu1) ...
  
```

3.3 How much disk space will the package utilize after installation?

The package will utilize 126mb after installation.

Question 2

```
bjlazaro@CIS106VM: /etc/firefox/pref
bjlazaro@CIS106VM:~$ pwd
/home/bjlazaro
bjlazaro@CIS106VM:~$ cd /usr/share/themes
bjlazaro@CIS106VM:/usr/share/themes$ pwd
/usr/share/themes
bjlazaro@CIS106VM:/usr/share/themes$ cd ../../../../
bjlazaro@CIS106VM:/$ pwd
/
bjlazaro@CIS106VM:/$ cd /etc/firefox/pref
bjlazaro@CIS106VM:/etc/firefox/pref$
```

```
bjlazaro@CIS106VM: ~/Documents
bjlazaro@CIS106VM:~/Documents$ cd
bjlazaro@CIS106VM:~$ cd Downloads
bjlazaro@CIS106VM:~/Downloads$ pwd
/home/bjlazaro/Downloads
bjlazaro@CIS106VM:~/Downloads$ cd ../../../../
bjlazaro@CIS106VM:/$ pwd
/
bjlazaro@CIS106VM:/$ cd
bjlazaro@CIS106VM:~$ cd Documents
bjlazaro@CIS106VM:~/Documents$
```

Question 3

```
bjlazaro@CIS106VM: ~  
bjlazaro@CIS106VM:~$ ls Downloads  
pets2.jpg pets3.jpg pets.jpg  
bjlazaro@CIS106VM:~$ pwd  
/home/bjlazaro  
bjlazaro@CIS106VM:~$ ls -a Downloads  
. .. pets2.jpg pets3.jpg pets.jpg  
bjlazaro@CIS106VM:~$ ls -al Downloa d s  
ls: cannot access 'Download': No such file or directory  
ls: cannot access 's': No such file or directory  
bjlazaro@CIS106VM:~$ ls -al Downloads  
total 288  
drwxr-xr-x  2 bjlazaro bjlazaro  4096 Sep 28 22:42 .  
drwxr-xr-x 19 bjlazaro bjlazaro  4096 Sep 28 18:46 ..  
-rw-rw-r--  1 bjlazaro bjlazaro 80545 Sep 28 22:42 pets2.jpg  
-rw-rw-r--  1 bjlazaro bjlazaro 90036 Sep 28 22:42 pets3.jpg  
-rw-rw-r--  1 bjlazaro bjlazaro 114043 Sep 28 22:41 pets.jpg  
bjlazaro@CIS106VM:~$ ls -hl Downloads  
total 280K  
-rw-rw-r--  1 bjlazaro bjlazaro  79K Sep 28 22:42 pets2.jpg  
-rw-rw-r--  1 bjlazaro bjlazaro  88K Sep 28 22:42 pets3.jpg  
-rw-rw-r--  1 bjlazaro bjlazaro 112K Sep 28 22:41 pets.jpg  
bjlazaro@CIS106VM:~$
```

Question 4

```
bjlazaro@CIS106VM: ~  
bjlazaro@CIS106VM:~$ tree ~/Downloads  
/home/bjlazaro/Downloads  
├── pets2.jpg  
├── pets3.jpg  
└── pets.jpg  
  
0 directories, 3 files  
bjlazaro@CIS106VM:~$ tree -ghpu ~/Downloads  
/home/bjlazaro/Downloads  
├── [-rw-rw-r-- bjlazaro bjlazaro  79K] pets2.jpg  
├── [-rw-rw-r-- bjlazaro bjlazaro  88K] pets3.jpg  
└── [-rw-rw-r-- bjlazaro bjlazaro 111K] pets.jpg  
  
0 directories, 3 files  
bjlazaro@CIS106VM:~$ tree -tc ~/Downloads  
/home/bjlazaro/Downloads  
├── pets.jpg  
├── pets2.jpg  
└── pets3.jpg  
  
0 directories, 3 files  
bjlazaro@CIS106VM:~$
```

```
<a href="#Downloads//Desktop/">Desktop/</a><br>  
| <a href="#Downloads//Desktop/flameshot.desktop">flameshot.desktop</a><br>  
| <a href="#Downloads//Desktop/org.gnome.Terminal.desktop">org.gnome.Terminal.desktop</a><br>  
-<a href="#Downloads/Documents/<b>Documents</b>">Documents</a><br>  
|- <a href="#Downloads/Documents/CIS-106/">CIS-106</a><br>  
|  &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
|  &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~<a href="#Downloads/Documents/CIS-106/lab3.md">lab3.md</a><br>  
| &nbsp;&nbsp;&~<a href="#Downloads/Documents/CIS-106/lab3q2p2.png">lab3q2p2.png</a><br>  
| &nbsp;&~<a href="#Downloads/Documents/CIS-106/lab3q2.png">lab3q2.png</a><br>  
| &~<a href="#Downloads/Documents/CIS-106/lab3q3.png">lab3q3.png</a><br>  
| &~<a href="#Downloads/Documents/CIS-106/lab3q4.png">lab3q4.png</a><br>  
| &~<a href="#Downloads/Documents/CIS-106/trigger-rally.PNG">trigger-rally.PNG</a>  
-<a href="#Downloads//Downloads/">Downloads</a><br>  
| <a href="#Downloads/Downloads/pets2.jpg">pets2.jpg</a><br>  
| <a href="#Downloads/Downloads/pets3.jpg">pets3.jpg</a><br>  
| <a href="#Downloads/Downloads/pets.jpg">pets.jpg</a><br>  
-<a href="#Downloads/Music/">Music</a><br>  
-<a href="#Downloads/Pictures/">Pictures</a><br>  
-<a href="#Downloads/Public/">Public</a><br>  
-<a href="#Downloads/snap/">snap</a><br>  
| <a href="#Downloads/snap/code/">code</a><br>  
| &nbsp;&~<a href="#Downloads/snap/code/74/">74</a><br>  
| &~<a href="#Downloads/snap/code/75/">75</a><br>  
| &~<a href="#Downloads/snap/code/common/">common</a><br>  
| &~<a href="#Downloads/snap/code/current/">current</a><br>-<a href="#Downloads/Templates/">Templates</a><br>-<a href="#Downloads/Videos/">Videos</a><br>  
  
<br><br>  
<p>  
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```

Directory Tree

- Downloads/
 - Desktop
 - flameshot.desktop
 - org.gnome.Terminal.desktop
 - Documents
 - CIS-106
 - lab3.md
 - lab3q2p2.png
 - lab3q2.png
 - lab3q3.png
 - lab3q4p2.png
 - lab3q4.png
 - trigger-rally.PNG
 - Downloads
 - pets2.jpg
 - pets3.jpg
 - pets.jpg
 - Music
 - Pictures
 - Public
 - snap
 - code
 - 74
 - 75
 - common
 - current
 - Templates
 - Videos
 - website.html

15 directories, 13 files

```
treet v1.8.0 © 1996 - 2018 by Steve Baker and Thomas Moore  
HTML output hacked and copyright © 1996 by Francois Rocher  
JSON output hacked and copyright © 2014 by Florian Sesser  
Charsets / OS/2 support © 2001 by Kyosuke Tokoro
```

Question 5

```
bjlazarro@CIS106VM:~$ exa Downloads/
pets.jpg  pets2.jpg  pets3.jpg
bjlazarro@CIS106VM:~$ exa -l Downloads/
-rw-rw-r-- 114k bjlazarro 28 Sep 22:41 pets.jpg
-rw-rw-r-- 80k bjlazarro 28 Sep 22:42 pets2.jpg
-rw-rw-r-- 90k bjlazarro 28 Sep 22:42 pets3.jpg
bjlazarro@CIS106VM:~$ exa -lhm Downloads/
Permissions Size User      Date Modified Name
-rw-rw-r-- 114k bjlazarro 28 Sep 22:41 pets.jpg
-rw-rw-r-- 80k bjlazarro 28 Sep 22:42 pets2.jpg
-rw-rw-r-- 90k bjlazarro 28 Sep 22:42 pets3.jpg
bjlazarro@CIS106VM:~$
```