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

Assignment description here
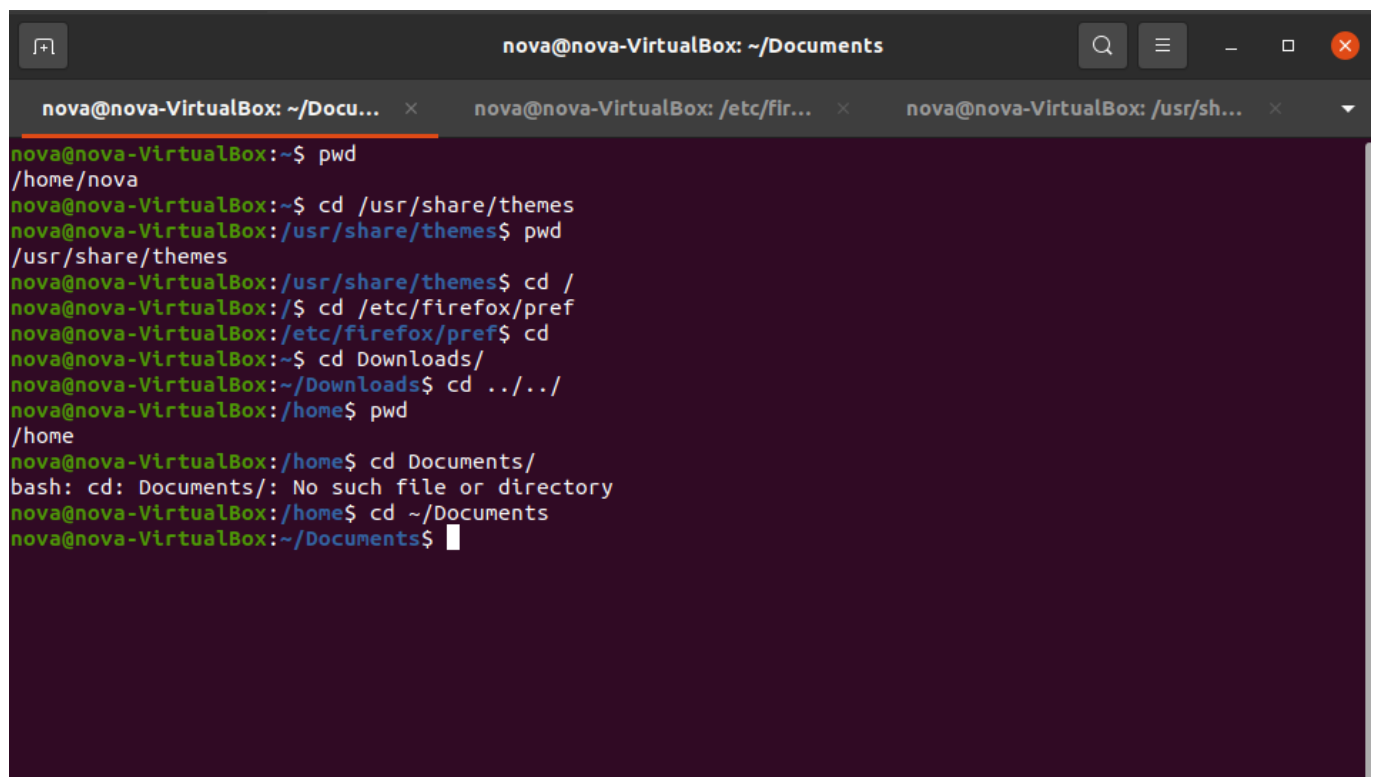
Question 1

1. Which command did you use to search for the themes and to install them? To find: apt search theme To install; sudo apt install breeze-gtk-theme

2. Which commands did you use to find and install the web browser? To search: apt search web browser To install: sudo apt install surf

3.1 What is the name of the package? Ans: surf

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) libc6 (>= 2.4), libgcr-base-3-1 (>= 3.8.0), libgcr-ui-3-1 (>= 3.8.0), libglib2.0-0 (>= 2.28.0), libgtk-3-0 (>= 3.19.12), libwebkit2gtk-4.0-37 (>= 2.15.1), libx11-6

3.3 How much disk space will the package utilize after installation? 114 kb

Question 2

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Question 3

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nova@nova-VirtualBox:~$ ls Downloads/
 blinkingEye.jpg                          okay.jpg
'code_1.60.2-1632313585_amd64(1).deb'    thatsYummy.jpg
'code_1.60.2-1632313585_amd64(2).deb'   'VSCodeUserSetup-ia32-1.60.2(1).exe'
 code_1.60.2-1632313585_amd64.deb         VSCodeUserSetup-ia32-1.60.2.exe
nova@nova-VirtualBox:~$ ls -a Downloads
 .                                        code_1.60.2-1632313585_amd64.deb
 ..                                       okay.jpg
 blinkingEye.jpg                          thatsYummy.jpg
'code_1.60.2-1632313585_amd64(1).deb'    'VSCodeUserSetup-ia32-1.60.2(1).exe'
'code_1.60.2-1632313585_amd64(2).deb'    VSCodeUserSetup-ia32-1.60.2.exe
nova@nova-VirtualBox:~$ ls -al Downloads
total 371664
drwxr-xr-x  2 nova nova      4096 Oct 13 18:33  .
drwxr-xr-x 27 nova nova      4096 Oct 13 18:25  ..
-rw-rw-r--  1 nova nova     78492 Oct 13 18:32  blinkingEye.jpg
-rw-rw-r--  1 nova nova  75900200 Sep 29 20:30 'code_1.60.2-1632313585_amd64(1).deb'
-rw-rw-r--  1 nova nova  75900200 Sep 29 20:35 'code_1.60.2-1632313585_amd64(2).deb'
-rw-rw-r--  1 nova nova  75900200 Sep 29 20:29  code_1.60.2-1632313585_amd64.deb
-rw-rw-r--  1 nova nova     73856 Oct 13 18:33  okay.jpg
-rw-rw-r--  1 nova nova     54509 Oct 13 18:33  thatsYummy.jpg
-rw-rw-r--  1 nova nova  76324216 Sep 29 20:34 'VSCodeUserSetup-ia32-1.60.2(1).exe'
-rw-rw-r--  1 nova nova  76324216 Sep 29 20:29  VSCodeUserSetup-ia32-1.60.2.exe
nova@nova-VirtualBox:~$ ls -alh Downloads
total 363M
drwxr-xr-x  2 nova nova 4.0K Oct 13 18:33  .
drwxr-xr-x 27 nova nova 4.0K Oct 13 18:25  ..
-rw-rw-r--  1 nova nova  77K Oct 13 18:32  blinkingEye.jpg
-rw-rw-r--  1 nova nova  73M Sep 29 20:30 'code_1.60.2-1632313585_amd64(1).deb'
-rw-rw-r--  1 nova nova  73M Sep 29 20:35 'code_1.60.2-1632313585_amd64(2).deb'
-rw-rw-r--  1 nova nova  73M Sep 29 20:29  code_1.60.2-1632313585_amd64.deb
-rw-rw-r--  1 nova nova  73K Oct 13 18:33  okay.jpg
-rw-rw-r--  1 nova nova  54K Oct 13 18:33  thatsYummy.jpg
-rw-rw-r--  1 nova nova  73M Sep 29 20:34 'VSCodeUserSetup-ia32-1.60.2(1).exe'
-rw-rw-r--  1 nova nova  73M Sep 29 20:29  VSCodeUserSetup-ia32-1.60.2.exe
nova@nova-VirtualBox:~$ ls -lGh Downloads
total 363M
-rw-rw-r-- 1 nova  77K Oct 13 18:32  blinkingEye.jpg
-rw-rw-r-- 1 nova  73M Sep 29 20:30 'code_1.60.2-1632313585_amd64(1).deb'
-rw-rw-r-- 1 nova  73M Sep 29 20:35 'code_1.60.2-1632313585_amd64(2).deb'
-rw-rw-r-- 1 nova  73M Sep 29 20:29  code_1.60.2-1632313585_amd64.deb
-rw-rw-r-- 1 nova  73K Oct 13 18:33  okay.jpg
-rw-rw-r-- 1 nova  54K Oct 13 18:33  thatsYummy.jpg
-rw-rw-r-- 1 nova  73M Sep 29 20:34 'VSCodeUserSetup-ia32-1.60.2(1).exe'
-rw-rw-r-- 1 nova  73M Sep 29 20:29  VSCodeUserSetup-ia32-1.60.2.exe
```

Question 4

```
nova@nova-VirtualBox:~$ ls ~/Downloads
 blinkingEye.jpg                          okay.jpg
'code_1.60.2-1632313585_amd64(1).deb'    thatsYummy.jpg
'code_1.60.2-1632313585_amd64(2).deb'   'VSCodeUserSetup-ia32-1.60.2(1).exe'
 code_1.60.2-1632313585_amd64.deb         VSCodeUserSetup-ia32-1.60.2.exe
nova@nova-VirtualBox:~$ tree -pugh ~/Downloads
/home/nova/Downloads
├── [-rw-rw-r-- nova      nova       77K]  blinkingEye.jpg
├── [-rw-rw-r-- nova      nova       72M]  code_1.60.2-1632313585_amd64(1).deb
├── [-rw-rw-r-- nova      nova       72M]  code_1.60.2-1632313585_amd64(2).deb
├── [-rw-rw-r-- nova      nova       72M]  code_1.60.2-1632313585_amd64.deb
├── [-rw-rw-r-- nova      nova       72K]  okay.jpg
├── [-rw-rw-r-- nova      nova       53K]  thatsYummy.jpg
├── [-rw-rw-r-- nova      nova       73M]  VSCodeUserSetup-ia32-1.60.2(1).exe
└── [-rw-rw-r-- nova      nova       73M]  VSCodeUserSetup-ia32-1.60.2.exe

0 directories, 8 files
nova@nova-VirtualBox:~$ tree -Dt ~/Downloads
/home/nova/Downloads
├── [Sep 29 20:29]  code_1.60.2-1632313585_amd64.deb
├── [Sep 29 20:29]  VSCodeUserSetup-ia32-1.60.2.exe
├── [Sep 29 20:30]  code_1.60.2-1632313585_amd64(1).deb
├── [Sep 29 20:34]  VSCodeUserSetup-ia32-1.60.2(1).exe
├── [Sep 29 20:35]  code_1.60.2-1632313585_amd64(2).deb
├── [Oct 13 18:32]  blinkingEye.jpg
├── [Oct 13 18:33]  okay.jpg
└── [Oct 13 18:33]  thatsYummy.jpg

0 directories, 8 files
nova@nova-VirtualBox:~$ tree -Ho Downloads/ websites.html
nova@nova-VirtualBox:~$ ls
12   14        Desktop     Downloads   From     'picture From DR'   Public   Templates   wallpapers_others
13   CIS106    Documents   Dr          Music     Pictures           snap     Videos      websites.html
nova@nova-VirtualBox:~$ xdg-open websites.html
nova@nova-VirtualBox:~$ 
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Question 5

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nova@nova-VirtualBox: ~
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nova@nova-VirtualBox:~$ wget http://archive.ubuntu.com/ubuntu/pool/universe/r/rust-exa/exa_0.9.0-4_amd64.
deb
--2021-10-13 19:54:28--  http://archive.ubuntu.com/ubuntu/pool/universe/r/rust-exa/exa_0.9.0-4_amd64.deb
Resolving archive.ubuntu.com (archive.ubuntu.com)... 91.189.88.152, 91.189.88.142, 2001:67c:1360:8001::23
, ...
Connecting to archive.ubuntu.com (archive.ubuntu.com)|91.189.88.152|: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   644KB/s    in 0.5s

2021-10-13 19:54:28 (644 KB/s) - 'exa_0.9.0-4_amd64.deb' saved [301592/301592]

nova@nova-VirtualBox:~$ ls
 12          Desktop     exa_0.9.0-4_amd64.deb   Pictures    Videos
 13          Documents   From                    Public      wallpapers_others
 14          Downloads   Music                   snap        websites.html
 CIS106      Dr          'picture From DR'       Templates
nova@nova-VirtualBox:~$ sudo apt install ./exa_0.9.0-4_amd64.deb
[sudo] password for nova:
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 libfprint-2-tod1 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 19 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/nova/exa_0.9.0-4_amd64.deb exa amd64 0.9.0-4 [302 kB]
Selecting previously unselected package exa.
(Reading database ... 223925 files and directories currently installed.)
Preparing to unpack .../nova/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) ...
nova@nova-VirtualBox:~$
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nova@nova-VirtualBox: ~
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```
nova@nova-VirtualBox:~$ exa -l ~/Downloads
.rw-rw-r-- 78k nova 13 Oct 18:32 blinkingEye.jpg
.rw-rw-r-- 75M nova 29 Sep 20:30 code_1.60.2-1632313585_amd64(1).deb
.rw-rw-r-- 75M nova 29 Sep 20:35 code_1.60.2-1632313585_amd64(2).deb
.rw-rw-r-- 75M nova 29 Sep 20:29 code_1.60.2-1632313585_amd64.deb
.rw-rw-r-- 73k nova 13 Oct 18:33 okay.jpg
.rw-rw-r-- 54k nova 13 Oct 18:33 thatsYummy.jpg
.rw-rw-r-- 76M nova 29 Sep 20:34 VSCodeUserSetup-ia32-1.60.2(1).exe
.rw-rw-r-- 76M nova 29 Sep 20:29 VSCodeUserSetup-ia32-1.60.2.exe
nova@nova-VirtualBox:~$ exa -lhm ~/Downloads
Permissions Size User Date Modified Name
.rw-rw-r--    78k nova 13 Oct 18:32  blinkingEye.jpg
.rw-rw-r--    75M nova 29 Sep 20:30  code_1.60.2-1632313585_amd64(1).deb
.rw-rw-r--    75M nova 29 Sep 20:35  code_1.60.2-1632313585_amd64(2).deb
.rw-rw-r--    75M nova 29 Sep 20:29  code_1.60.2-1632313585_amd64.deb
.rw-rw-r--    73k nova 13 Oct 18:33  okay.jpg
.rw-rw-r--    54k nova 13 Oct 18:33  thatsYummy.jpg
.rw-rw-r--    76M nova 29 Sep 20:34  VSCodeUserSetup-ia32-1.60.2(1).exe
.rw-rw-r--    76M nova 29 Sep 20:29  VSCodeUserSetup-ia32-1.60.2.exe
nova@nova-VirtualBox:~$
```