

0How to solve Lab for Unit 2

Part-1

Given Below are the screenshots of how your terminal would after run the commands given in the lab.

```
Last login: Fri Sep 22 22:36:55 2023 from 104.28.208.35
codepath@lab0000000:~$ ls
Desktop  Downloads  Pictures  README.md  Videos  setoolkit  thinclient_drives  unit3
Documents Music      Public    Templates  go        snap        unit2              unit6
codepath@lab0000000:~$ pwd
/home/codepath
codepath@lab0000000:~$ ls
Desktop  Downloads  Pictures  README.md  Videos  setoolkit  thinclient_drives  unit3
Documents Music      Public    Templates  go        snap        unit2              unit6
codepath@lab0000000:~$ cd unit2
codepath@lab0000000:~/unit2$ ls
codepath@lab0000000:~/unit2$ pwd
/home/codepath/unit2
codepath@lab0000000:~/unit2$ sudo apt install cowsay
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
  filters cowsay-off
The following NEW packages will be installed:
  cowsay
0 upgraded, 1 newly installed, 0 to remove and 69 not upgraded.
Need to get 18.5 kB of archives.
After this operation, 93.2 kB of additional disk space will be used.
Get:1 http://azure.archive.ubuntu.com/ubuntu focal/universe amd64 cowsay all 3.03+dfsg2-7 [18.5 kB]
Fetched 18.5 kB in 0s (170 kB/s)
Selecting previously unselected package cowsay.
(Reading database ... 162480 files and directories currently installed.)
Preparing to unpack .../cowsay_3.03+dfsg2-7_all.deb ...
Unpacking cowsay (3.03+dfsg2-7) ...
Setting up cowsay (3.03+dfsg2-7) ...
Processing triggers for man-db (2.9.1-1) ...
codepath@lab0000000:~/unit2$ cowsay "Hello,CodePath!"

< Hello,CodePath! >
-----
codepath@lab0000000:~/unit2$ sudo apt install tree
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  tree
0 upgraded, 1 newly installed, 0 to remove and 69 not upgraded.
Need to get 43.0 kB of archives.
After this operation, 115 kB of additional disk space will be used.
Get:1 http://azure.archive.ubuntu.com/ubuntu focal/universe amd64 tree amd64 1.8.0-1 [43.0 kB]
Fetched 43.0 kB in 0s (2323 kB/s)
Selecting previously unselected package tree.
(Reading database ... 162540 files and directories currently installed.)
Preparing to unpack .../tree_1.8.0-1_amd64.deb ...
Unpacking tree (1.8.0-1) ...
Setting up tree (1.8.0-1) ...
Processing triggers for man-db (2.9.1-1) ...
codepath@lab0000000:~/unit2$ tree
.
0 directories, 0 files
codepath@lab0000000:~/unit2$ cd ..
codepath@lab0000000:~$ tree
.
├── Desktop
├── Documents
├── Downloads
├── Music
├── Pictures
├── Public
├── README.md
├── Templates
├── Videos
├── go
├── bin
├── vt
├── pkg
├── mod
└── cache
```

Part-2

For part-2 this is how moved all the animals into the correct place. First, be sure that

you installed the tree command using “sudo apt install tree” so that you can access your files with it.

1. For moving the animals into current pens, I used the rm commands to delete the files in the incorrect pens and used the touch command to create the correct files in the terminal.

```
codepath@lab0000000:~/unit2/zoo$ cd ..
codepath@lab0000000:~/unit2$ tree zoo
zoo
├── big_katz
│   ├── African_Lion.txt
│   ├── Siberian_Tiger.txt
│   └── Snow_Leopard.txt
├── birds
│   ├── Peregrine_Falcon.txt
│   ├── Scarlet_Macaw.txt
│   └── sleepy_parrot.txt
└── reptiles
    ├── Blue_Tongued_Skink.txt
    ├── Komodo_Dragon.txt
    └── Scarlet_Macaw.txt

3 directories, 9 files
codepath@lab0000000:~/unit2$ cd zoo
codepath@lab0000000:~/unit2/zoo$ ls
big_katz  birds  reptiles
codepath@lab0000000:~/unit2/zoo$ cd reptiles
codepath@lab0000000:~/unit2/zoo/reptiles$ ls
Blue_Tongued_Skink.txt  Komodo_Dragon.txt  Scarlet_Macaw.txt
codepath@lab0000000:~/unit2/zoo/reptiles$ rm Scarlet_Macaw.txt
codepath@lab0000000:~/unit2/zoo/reptiles$ ls
Blue_Tongued_Skink.txt  Komodo_Dragon.txt
codepath@lab0000000:~/unit2/zoo/reptiles$ cd ..
codepath@lab0000000:~/unit2/zoo$ cd ..
codepath@lab0000000:~/unit2$ tree zoo
zoo
├── big_katz
│   ├── African_Lion.txt
│   ├── Siberian_Tiger.txt
│   └── Snow_Leopard.txt
├── birds
│   ├── Peregrine_Falcon.txt
│   ├── Scarlet_Macaw.txt
│   └── sleepy_parrot.txt
└── reptiles
    ├── Blue_Tongued_Skink.txt
    └── Komodo_Dragon.txt

3 directories, 8 files
codepath@lab0000000:~/unit2$
```

2. Then, I renamed some of the files in the folders to give them the correct animal name using the mv command.

```
codepath@lab0000000:~/unit2/zoo$ cd ..
codepath@lab0000000:~/unit2$ cd zoo
codepath@lab0000000:~/unit2/zoo$ ls
big_katz  birds  reptiles
codepath@lab0000000:~/unit2/zoo$ cd birds
codepath@lab0000000:~/unit2/zoo/birds$ ls
Peregrine_Falcon.txt  Scarlet_Macaw.txt  sleepy_parrot.txt
codepath@lab0000000:~/unit2/zoo/birds$ mv sleepy_parrot.txt African_Grey_Parrot.txt
mv: cannot stat 'sleepy_parrot.txt': No such file or directory
codepath@lab0000000:~/unit2/zoo/birds$ mv sleepy_parrot.txt African_Grey_Parrot.txt
codepath@lab0000000:~/unit2/zoo/birds$ ls
African_Grey_Parrot.txt  Peregrine_Falcon.txt  Scarlet_Macaw.txt
codepath@lab0000000:~/unit2/zoo/birds$ cd ..
codepath@lab0000000:~/unit2/zoo$ tree
.
├── big_katz
│   ├── African_Lion.txt
│   ├── Siberian_Tiger.txt
│   └── Snow_Leopard.txt
├── birds
│   ├── African_Grey_Parrot.txt
│   ├── Peregrine_Falcon.txt
│   └── Scarlet_Macaw.txt
└── reptiles
    ├── Blue_Tongued_Skink.txt
    └── Komodo_Dragon.txt

3 directories, 8 files
codepath@lab0000000:~/unit2/zoo$
```

3. I also renamed the `big_katz` to `big_cats` pen using the `mv` command.

```
├── big_cats
│   ├── African_Lion.txt
│   ├── Siberian_Tiger.txt
│   └── Snow_Leopard.txt
├── birds
│   ├── African_Grey_Parrot.txt
│   ├── Peregrine_Falcon.txt
│   └── Scarlet_Macaw.txt
└── reptiles
    ├── Blue_Tongued_Skink.txt
    └── Komodo_Dragon.txt

3 directories, 8 files
codepath@lab000000:~/unit2/zoo$ mv big_katz big_cats
codepath@lab000000:~/unit2/zoo$ ls
big_cats  birds  reptiles
codepath@lab000000:~/unit2/zoo$ cd big_cats
codepath@lab000000:~/unit2/zoo/big_cats$ ls
African_Lion.txt  Siberian_Tiger.txt  Snow_Leopard.txt
codepath@lab000000:~/unit2/zoo/big_cats$ cd ..
codepath@lab000000:~/unit2/zoo$ tree
.
├── big_cats
│   ├── African_Lion.txt
│   ├── Siberian_Tiger.txt
│   └── Snow_Leopard.txt
├── birds
│   ├── African_Grey_Parrot.txt
│   ├── Peregrine_Falcon.txt
│   └── Scarlet_Macaw.txt
└── reptiles
    ├── Blue_Tongued_Skink.txt
    └── Komodo_Dragon.txt

3 directories, 8 files
codepath@lab000000:~/unit2/zoo$
```

4. I added missing animals into the pens by using the `touch` command to create new files.

```
codepath@lab000000:~/unit2/zoo$ mv big_katz big_cats
codepath@lab000000:~/unit2/zoo$ ls
big_cats  birds  reptiles
codepath@lab000000:~/unit2/zoo$ cd big_cats
codepath@lab000000:~/unit2/zoo/big_cats$ ls
African_Lion.txt  Siberian_Tiger.txt  Snow_Leopard.txt
codepath@lab000000:~/unit2/zoo/big_cats$ cd ..
codepath@lab000000:~/unit2/zoo$ tree
.
├── big_cats
│   ├── African_Lion.txt
│   ├── Siberian_Tiger.txt
│   └── Snow_Leopard.txt
├── birds
│   ├── African_Grey_Parrot.txt
│   ├── Peregrine_Falcon.txt
│   └── Scarlet_Macaw.txt
└── reptiles
    ├── Blue_Tongued_Skink.txt
    └── Komodo_Dragon.txt

3 directories, 8 files
codepath@lab000000:~/unit2/zoo$ cd reptiles
codepath@lab000000:~/unit2/zoo/reptiles$ touch Galapagos_Tortoise.txt
codepath@lab000000:~/unit2/zoo/reptiles$ ls
Blue_Tongued_Skink.txt  Galapagos_Tortoise.txt  Komodo_Dragon.txt
codepath@lab000000:~/unit2/zoo/reptiles$ cd ..
codepath@lab000000:~/unit2/zoo$ tree
.
├── big_cats
│   ├── African_Lion.txt
│   ├── Siberian_Tiger.txt
│   └── Snow_Leopard.txt
├── birds
│   ├── African_Grey_Parrot.txt
│   ├── Peregrine_Falcon.txt
│   └── Scarlet_Macaw.txt
└── reptiles
    ├── Blue_Tongued_Skink.txt
    ├── Galapagos_Tortoise.txt
    └── Komodo_Dragon.txt

3 directories, 9 files
codepath@lab000000:~/unit2/zoo$
```

5. Finally, I used the rm command to remove the tourist file form reptiles.

```
3 directories, 9 files
codepath@lab000000:~/unit2$ cd zoo
codepath@lab000000:~/unit2/zoo$ ls
Peregrine_Falcon.txt  b1g_katz  birds  reptiles
codepath@lab000000:~/unit2/zoo$ tree zoo
zoo [error opening dir]

0 directories, 0 files
codepath@lab000000:~/unit2/zoo$ cd ..
codepath@lab000000:~/unit2$ cd zoo
codepath@lab000000:~/unit2/zoo$ ls
Peregrine_Falcon.txt  b1g_katz  birds  reptiles
codepath@lab000000:~/unit2/zoo$ cd reptiles
codepath@lab000000:~/unit2/zoo/reptiles$ ls
Blue_Tongued_Skink.txt  Scarlet_Macaw.txt  a_lost_tourist.txt
codepath@lab000000:~/unit2/zoo/reptiles$ rm a_lost_tourist.txt
codepath@lab000000:~/unit2/zoo/reptiles$ ls
Blue_Tongued_Skink.txt  Scarlet_Macaw.txt
codepath@lab000000:~/unit2/zoo/reptiles$
```

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