Managing Files and Directories 1

1-On your home directory create two files named Vegetables and Fruits and edit them as follow:

Vegetables	<u>Fruits</u>
Carrots	Apples
Celery	Bananas
Cucumbers	Oranges
Tomatoes	Watermelon

```
| rile Edit View Search Terminal Help |
| Inlauzon@server1 ~|$ touch Vegetables Fruits |
| Inlauzon@server1 ~|$ touch Vegetables Fruits |
| Inlauzon@server1 ~|$ touch Vegetables Fruits |
| Desktop doc3 file1 Pictures shopping_list Trips |
| doc1 Documents Fruits pro Templates Vegetables |
| doc2 Downloads Music Public Trip3 Videos |
| Inlauzon@server1 ~|$ |
```

```
nlauzon@server1:~
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          _ _ X
    File Edit View Search Terminal Help
   [nlauzon@server1 ~]$ touch Vegetables Fruits
| Inlauzon@server1 ~]$ touch vegetables Fruits | Inlauzon@server1 ~]$ ls | Desktop doc3 file1 Pictures shopping_list Trips doc1 Documents Fruits pro Templates Vegeta doc2 Downloads Music Public Trip3 Videos | Inlauzon@server1 ~]$ vi Vegetables | Inlauzon@server1 ~]$ vi Fruits | Inlauzon@server1 ~]$ vi Public Newtables | Inlauzon@server1 ~]$ vi Public Newtables | Inlauzon@server1 ~]$ vi Public Newtables | Inlauzon@server1 ~]$ vi Vegetables | Inlauzon@server1 ~]$ vi Ve
                                                                                                                                                                                                                                                                                                                                                                                                     Vegetables
   [nlauzon@server1 ~]$ cat Vegetables
Carrots
Celery
 Cucumber
Tomatoes [nlauzon@server1 ~]$ cat Fruits
 Apples
Bananas
Oranges
   Watermelon
    [nlauzon@server1 ~]$
```

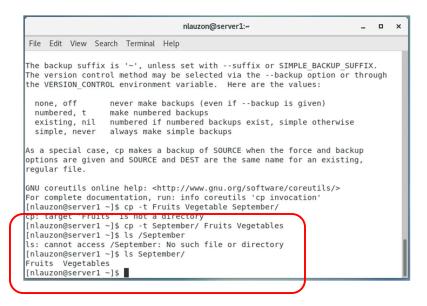
2- On your home directory create two directories named September and October

```
nlauzon@server1:~
                                                                                                                                  _ _ X
 File Edit View Search Terminal Help
[nlauzon@serverl ~]$ touch Vegetables Fruits
[nlauzon@serverl ~]$ ls

Desktop doc3 file1 Pictures shopping_list Trips
doc1 Documents Fruits pro Templates Vegeta
doc2 Downloads Music Public Trip3 Videos
[nlauzon@serverl ~]$ vi Vegetables
[nlauzon@serverl ~]$ vi Fruits
[nlauzon@serverl ~]$ vi Fruits
                                                                                                 Vegetables
 [nlauzon@server1 ~]$ cat Vegetables
Carrots
Celery
Cucumber
Tomatoes
[nlauzon@server1 ~]$ cat Fruits
Bananas
Oranges
[nlauzon@server1 ~]$ mkdir September October
[nlauzon@server1 ~]$ ls
Desktop doc3 file1 October Public
                                                                                                 Templates Vegetables
                Documents Fruits Pictures September
Downloads Music pro shopping_l
doc1
doc2
                                                                    shopping_list Trips
[nlauzon@server1 ~]$
```

3-Copy the two files Vegetables and Fruits to the directory September (use the Tab Completion)

I obtained that result using the option -t in cp, to copy both files using a single command line. And yes, I attest that I followed your request by typing Sep than the tab key to get the September directory in full.



4-Copy the two files Vegetables and Fruits to the directory October (without typing the full command again, use the previous command)

I attest that I followed your request by using the up and down arrows to navigate through my previous command, and then change the director September for October. I also used the up and down arrows and the Tab key with the ls command.

```
_ 0
                                             nlauzon@server1:~
 File Edit View Search Terminal Help
the VERSION_CONTROL environment variable. Here are the values:
                        never make backups (even if --backup is given)
  numbered, t
                        make numbered backups
  existing, nil numbered if numbered backups exist, simple otherwise simple, never always make simple backups
As a special case, cp makes a backup of SOURCE when the force and backup
options are given and SOURCE and DEST are the same name for an existing,
regular file.
GNU coreutils online help: <a href="http://www.gnu.org/software/coreutils/">http://www.gnu.org/software/coreutils/</a>
For complete documentation, run: info coreutils 'cp invocation
[nlauzon@server1 ~]$ cp -t Fruits Vegetable September/
cp: target 'Fruits' is not a directory
[nlauzon@server1 -]$ cp -t September/ Fruits Vegetables
[nlauzon@server1 -]$ ls /September
ls: cannot access /September: No such file or directory
[nlauzon@server1 ~]$ ls September/
 Fruits Vegetables
[nlauzon@server1 ~]$ cp -t October/ Fruits Vegetables
[nlauzon@server1 ~]$ ls October/
Fruits Vegetables
[nlauzon@server1 ~]$
```

5- Rename the copied files to the directory September as: Vegetables_Sep, Fruit_Sep and the copied files to the directory October as: Vegetables_Oct, Fruit_Oct

```
п x
                                nlauzon@server1:~/October
 File Edit View Search Terminal Help
The version control method may be selected via the --backup option or through
the VERSION_CONTROL environment variable. Here are the values:
  none, off
                   never make backups (even if --backup is given)
  numbered, t
                   make numbered backups
  existing, nil numbered if numbered backups exist, simple otherwise
                  always make simple backups
  simple, never
GNU coreutils online help: <http://www.gnu.org/software/coreutils/>
 or complete documentation, run: info coreutils 'mv invocation
[nlauzon@server1 ~]$ cd September/
[nlauzon@server1 September]$ ls
Fruits Vegetables
[nlauzon@server1 September]$ mv Fruits Fruits_Sep
[nlauzon@server1 September]$ mv Vegetables Vegetables_Sep
[nlauzon@server1 September]$ ls
Fruits_Sep Vegetables_Sep
[nlauzon@server1 September]$ cd
[nlauzon@server1 ~]$ cd October/
[nlauzon@server1 October]$ mv Fruits Fruits_Oct
[nlauzon@server1 October]$ mv Vegetables Vegetables_Oct
fnlauzon@server1 October1$ ls
 ruits_Oct Vegetables_Oct
[nlauzon@server1 October]$
```

6- Copy the content directory September inside to a new directory called November

```
nlauzon@server1:~
                                                                                                _ D X
 File Edit View Search Terminal Help
GNU coreutils online help: <http://www.gnu.org/software/coreutils/>
For complete documentation, run: info coreutils 'mv invocation
[nlauzon@server1 ~]$ cd September/
[nlauzon@server1 September]$ ls
 Fruits Vegetables
[nlauzon@server1 September]$ mv Fruits Fruits_Sep
[nlauzon@server1 September]$ mv Vegetables Vegetables Sep
 [nlauzon@server1 September]$ ls
Fruits_Sep Vegetables_Sep [nlauzon@server1 September]$ cd
 [nlauzon@server1 ~]$ cd October/
[nlauzon@server1 October]$ mv Fruits Fruits_Oct
[nlauzon@server1 October]$ mv Vegetables Vegetables_Oct
[nlauzon@server1 October]$ ls
Fruits_Oct Vegetables_Oct [nlauzon@server1 October]$ cd
 [nlauzon@server1 ~]$ cp -r September November
[nlauzon@server1 ~]$ ls
Desktop doc3 file1
           doc3 file1 November pro shoppi
Documents Fruits October Public Templa
Downloads Music Pictures September Trip3
                                                                 shopping list Trips
                                                                                      Vegetables
doc1
                                                                  Templates
doc2    Downloads Music Pictu
[nlauzon@server1 ~]$ ls November/
                                                                                      Videos
 ruits_Sep Vegetables_Sep
[nlauzon@server1 ~]$
```

7- Copy the content directory October inside to a new directory called December

```
nlauzon@server1:~
 File Edit View Search Terminal Help
Fruits Sep Vegetables Sep
[nlauzon@server1 September]$ cd
[nlauzon@server1 ~]$ cd October/
[nlauzon@server1 October]$ mv Fruits Fruits Oct
 [nlauzon@server1 October]$ mv Vegetables Vegetables_Oct
[nlauzon@server1 October]$ ls
Fruits_Oct Vegetables_Oct [nlauzon@server1 October]$ cd
 [nlauzon@server1 ~]$ cp -r September November
[nlauzon@server1 ~]$ ls
Desktop doc3 file1
Desktop doc3
                                                           shopping_list
doc1
          Documents Fruits October
                                              Public
                                                           Templates
                                                                              Vegetables
[nlauzon@server1 ~]$ ls November/
 ruits_Sep Vegetables_Sep
[nlauzon@server1 ~]$ cp -r October December
[nlauzon@server1 ~]$ ls
                        Fruits
                                                   shopping_list Vegetables
           Documents Music
Downloads November
Desktop
                                     pro
Public
                                                   Templates
                                                   Trip3
doc1
                         October
                                     September Trips
[nlauzon@server1 ~]$ ls December/
Fruits_Oct Vegetables_Oct
```

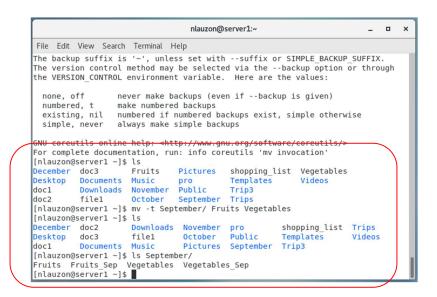
8- Rename the files in November and December directories to Vegetables_Nov, Fruit_Nov and Vegetables_Dec, Fruit_Dec

```
nlauzon@server1:~
 File Edit View Search Terminal Help
Fruits Sep Vegetables Sep
[nlauzon@server1 ~]$ cp -r October December
[nlauzon@server1 ~]$ ls
December doc3
                      Fruits
                                  Pictures
                                              shopping_list Vegetables
Desktop Documents Music
                                  pro
                                              Templates
                                                               Videos
           Downloads November Public
doc2
          filel
                       October
                                 September Trips
[nlauzon@server1 ~]$ ls December/
 ruits_Oct Vegetables_Oct
[nlauzon@server1 ~]$ cd November/
[nlauzon@server1 November]$ mv Fruits Sep Fruits Nov
[nlauzon@server1 November]$ mv Vegetables_Sep Vegetables_Nov
[nlauzon@server1 November]$ ls
Fruits_Nov Vegetables_Nov
[nlauzon@server1 November]$ cd
[nlauzon@server1 ~]$ cd D
December/ Desktop/ Documents/
[nlauzon@server1 ~]$ cd December/
                       Documents/ Downloads/
[nlauzon@server1 December]$ mv Fruits_Oct Fruits_Dec
[nlauzon@server1 December]$ mv Vegetables_Oct Vegetables_Dec
[nlauzon@server1 December]$ ls
Fruits_Dec Vegetables_Dec
[nlauzon@server1 December]$ cd
[nlauzon@server1 ~]$
```

9- Move the file Vegetables from your home directory to the directory September

Important, I used the option -t of command mv to literally move the files from my home directory to September. This really constitute a displacement of the files from one location to another. The files are no longer in my home directory, they are now in the September directory.

By using mv -t DESTINATION SOURCES, I answer both questions 9 and 10 at the same time.



10- Remove the file Fruits from your home directory

The answer to that question is provided in Question 9.

11- Copy the four directories September, October, November and December to a new Directory named Foods

```
nlauzon@server1:~
 File Edit View Search Terminal Help
  simple, never
                    always make simple backups
GNU coreutils online help: <a href="http://www.gnu.org/software/coreutils/">http://www.gnu.org/software/coreutils/></a>
For complete documentation, run: info coreutils 'mv invocation'
[nlauzon@server1 ~]$ ls
           doc3
                        Fruits
                                    Pictures
                                                 shopping_list Vegetables
          Documents Music
           Documents Music pro Templ
Downloads November Public Trip3
file1 October September Trips
Desktop
                                                 Templates
doc1
doc2
[nlauzon@server1 ~]$ mv -t September/ Fruits Vegetables
[nlauzon@server1 ~]$ ls
                        Downloads November
                                                              shopping_list Trips
 ecember doc2
                                    October Public
Desktop doc3
                        file1
                                                              Templates
                                                                               Videos
           Documents
                                     Pictures September
doc1
                        Music
[nlauzon@server1 ~]$ ls September/
Fruits Fruits_Sep Vegetables Vegetables_Sep
[nlauzon@server1 ~]$ mkdir Foods
[nlauzon@server1 ~]$ mv -t Foods/ September/ October/ November/ December/
[nlauzon@server1 ~]$ ls
Desktop doc2 Documents file1 Music
                                                           shopping list Trip3 Videos
          doc3 Downloads Foods Pictures Public Templates
[nlauzon@server1 ~]$ ls Foods/
 ecember November
                       October September
[nlauzon@server1 ~]$
```

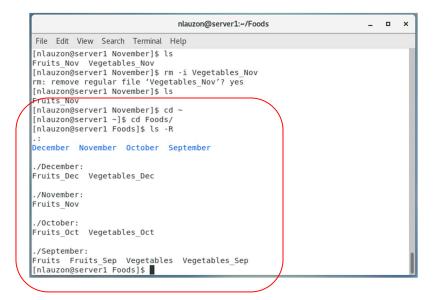
12- Remove the four directories September, October, November and December from your home directory

The answer to that question is provided in Question 11. By using the command mv -t DESTINATION SOURCES, a literal displacement of the sources to the destination is operated, just like a cut and paste.

13- Remove the file Vegetables_Nov from the subdirectory November in the Foods directory

```
nlauzon@server1:~/Foods/November
                                                                                                                                                                                                                                                                     _ 0 ×
   File Edit View Search Terminal Help
                                   Downloads November Public Trip3
file1 October September Trips
doc2
[nlauzon@server1 ~]$ mv -t September/ Fruits Vegetables
[nlauzon@server1 ~]$ ls
                                                                            Downloads November pro
                                                                                                                                                                                                 shopping_list Trips
  December doc2
 Desktop doc3
                                                                            file1
                                                                                                                October
                                                                                                                                                        Public
                                                                                                                                                                                                   Templates
                                   Documents Music
                                                                                                                    Pictures September Trip3
| Inlauzon@server1 ~]$ ls September/
| Fruits | September | Fruits | Fruits | September | Fruits | Fruits
 [nlauzon@server1 ~]$ ls
   doc1 doc3 Downloads Foods Pictures Public Templates
                                                                                                                                                                                           shopping_list Trip3 Videos
                                                                                                                                                                                                                                                Trips
 [nlauzon@server1 ~]$ ls Foods/
December November October S
  [nlauzon@server1 ~]$ cd Foods/November/
  [nlauzon@server1 November]$ ls
 Fruits_Nov Vegetables_Nov
[nlauzon@server1 November]$ rm -i Vegetables_Nov
rm: remove regular file 'Vegetables_Nov'? yes
  [nlauzon@server1 November]$ ls
   ruits Nov
   [nlauzon@server1 November]$
```

14- List the content of the Foods directory and subdirectories



Of Note, by the end of this assignment, I really learned and appreciated the benefits of the Tab key and UP/DOWN arrows.