Managing Files and Directories 1

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

<u>Vegetables</u>
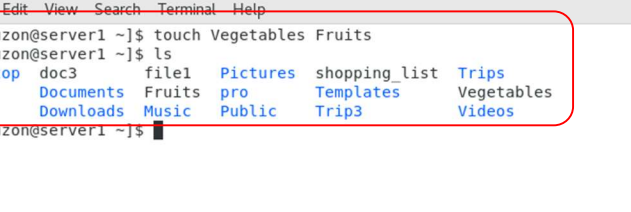
Carrots

Celery

Cucumbers

Tomatoes

<u>Fruits</u>

Apples

Bananas

Oranges

Watermelon

```
                        nlauzon@server1:~                    _  □  ×

 File  Edit  View  Search  Terminal  Help
Apples
Bananas
Oranges
Watermelon
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~
~
~
~
:wq
```

```
                        nlauzon@server1:~                    _  □  ×

 File  Edit  View  Search  Terminal  Help
[nlauzon@server1 ~]$ touch Vegetables Fruits
[nlauzon@server1 ~]$ ls
Desktop  doc3       file1     Pictures   shopping_list  Trips
doc1     Documents  Fruits    pro        Templates      Vegetables
doc2     Downloads  Music     Public     Trip3          Videos
[nlauzon@server1 ~]$ vi Vegetables
[nlauzon@server1 ~]$ vi Fruits
[nlauzon@server1 ~]$ cat Vegetables
Carrots
Celery
Cucumber
Tomatoes
[nlauzon@server1 ~]$ cat Fruits
Apples
Bananas
Oranges
Watermelon
[nlauzon@server1 ~]$
```
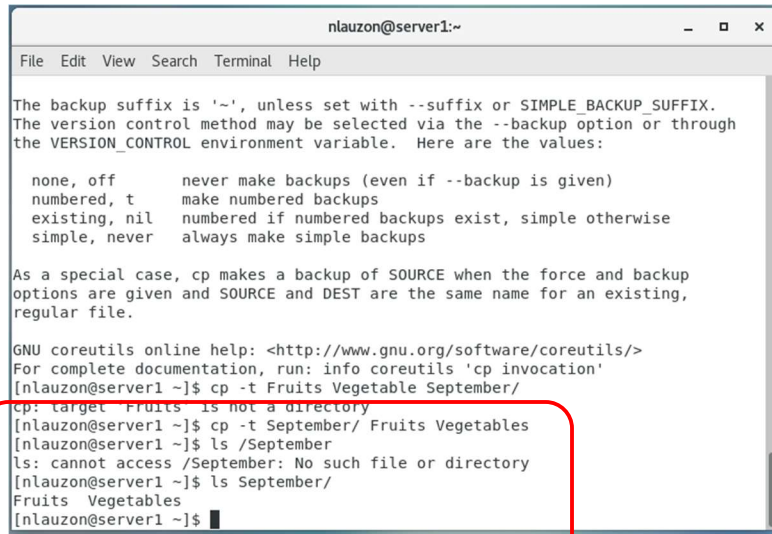
2- On your home directory create two directories named September and October

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                        nlauzon@server1:~                    _  □  ×

 File  Edit  View  Search  Terminal  Help
[nlauzon@server1 ~]$ touch Vegetables Fruits
[nlauzon@server1 ~]$ ls
Desktop  doc3       file1     Pictures   shopping_list  Trips
doc1     Documents  Fruits    pro        Templates      Vegetables
doc2     Downloads  Music     Public     Trip3          Videos
[nlauzon@server1 ~]$ vi Vegetables
[nlauzon@server1 ~]$ vi Fruits
[nlauzon@server1 ~]$ cat Vegetables
Carrots
Celery
Cucumber
Tomatoes
[nlauzon@server1 ~]$ cat Fruits
Apples
Bananas
Oranges
Watermelon
[nlauzon@server1 ~]$ mkdir September October
[nlauzon@server1 ~]$ ls
Desktop  doc3       file1     October    Public     Templates  Vegetables
doc1     Documents  Fruits    Pictures   September  Trip3      Videos
doc2     Downloads  Music     pro        shopping_list  Trips
[nlauzon@server1 ~]$
```

3- Copy the two files Vegetables and Fruits to the directory September (use the Tab Completion)
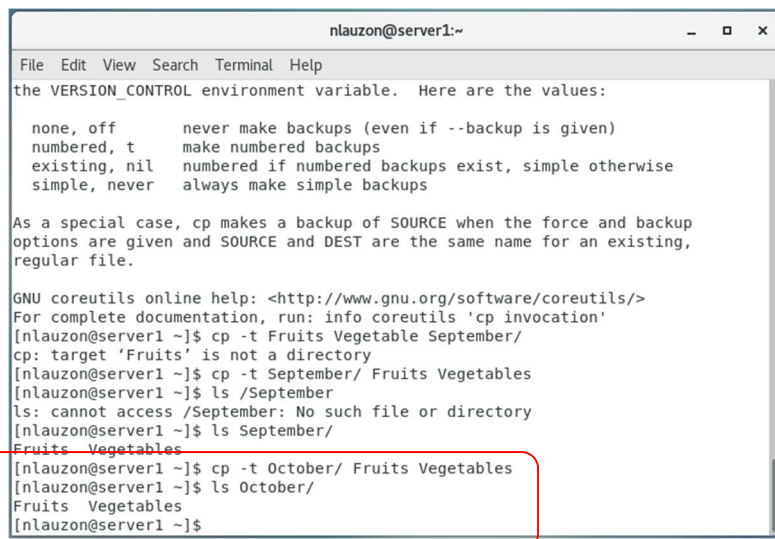
I obtained that result using the option -t in cp, to copy both files using a single command line. And yes, I attest that I followed your request by typing Sep than the tab key to get the September directory in full.

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.

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

```
                        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
  simple, never   always make simple backups

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]$
```

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

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                        nlauzon@server1:~                      _  □  ×

 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     November  pro          shopping_list  Trips
doc1      Documents  Fruits    October   Public       Templates      Vegetables
doc2      Downloads  Music     Pictures  September    Trip3          Videos
[nlauzon@server1 ~]$ ls November/
Fruits_Sep  Vegetables_Sep
[nlauzon@server1 ~]$
```

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

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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     November  pro        shopping_list  Trips
doc1      Documents   Fruits    October   Public     Templates      Vegetables
doc2      Downloads   Music     Pictures  September  Trip3          Videos
[nlauzon@server1 ~]$ ls November/
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
doc1       Downloads   November  Public     Trip3
doc2       file1       October   September  Trips
[nlauzon@server1 ~]$ ls December/
Fruits_Oct  Vegetables_Oct
[nlauzon@server1 ~]$
```
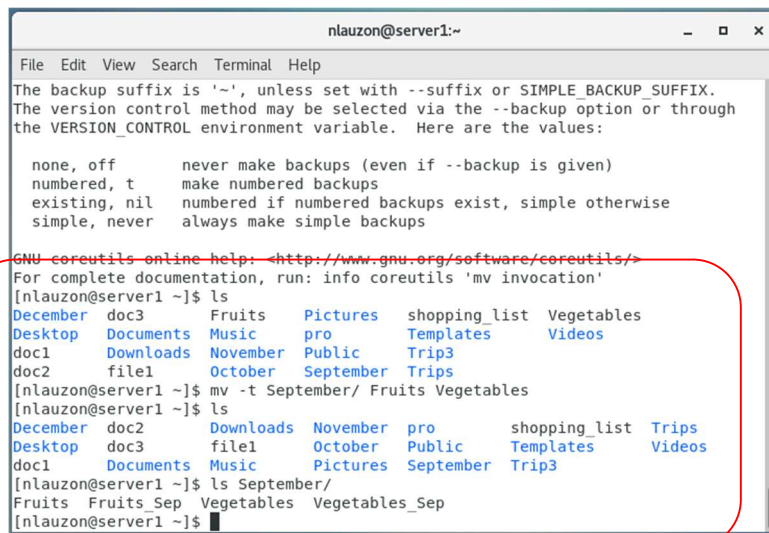
8- Rename the files in November and December directories to Vegetables_Nov, Fruit_Nov and Vegetables_Dec, Fruit_Dec

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                          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
doc1       Downloads   November  Public     Trip3
doc2       file1       October   September  Trips
[nlauzon@server1 ~]$ ls December/
Fruits_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/ Downloads/
[nlauzon@server1 ~]$ cd December/
[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
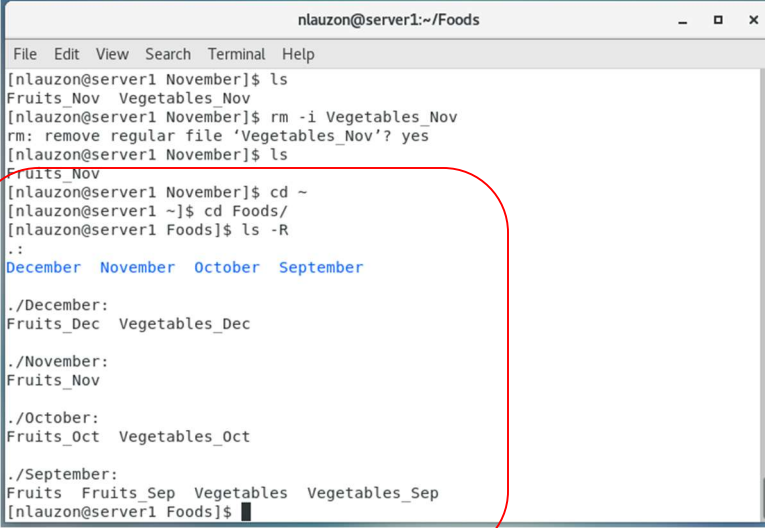

12- Remove the four directories September, October, November and December from your home directory

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

14-   List the content of the Foods directory and subdirectories


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 File  Edit  View  Search  Terminal  Help
[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
Fruits_Nov
[nlauzon@server1 November]$ cd ~
[nlauzon@server1 ~]$ cd Foods/
[nlauzon@server1 Foods]$ ls -R
.:
December  November  October  September

./December:
Fruits_Dec  Vegetables_Dec

./November:
Fruits_Nov

./October:
Fruits_Oct  Vegetables_Oct

./September:
Fruits  Fruits_Sep  Vegetables  Vegetables_Sep
[nlauzon@server1 Foods]$
```

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