

Exercise#2

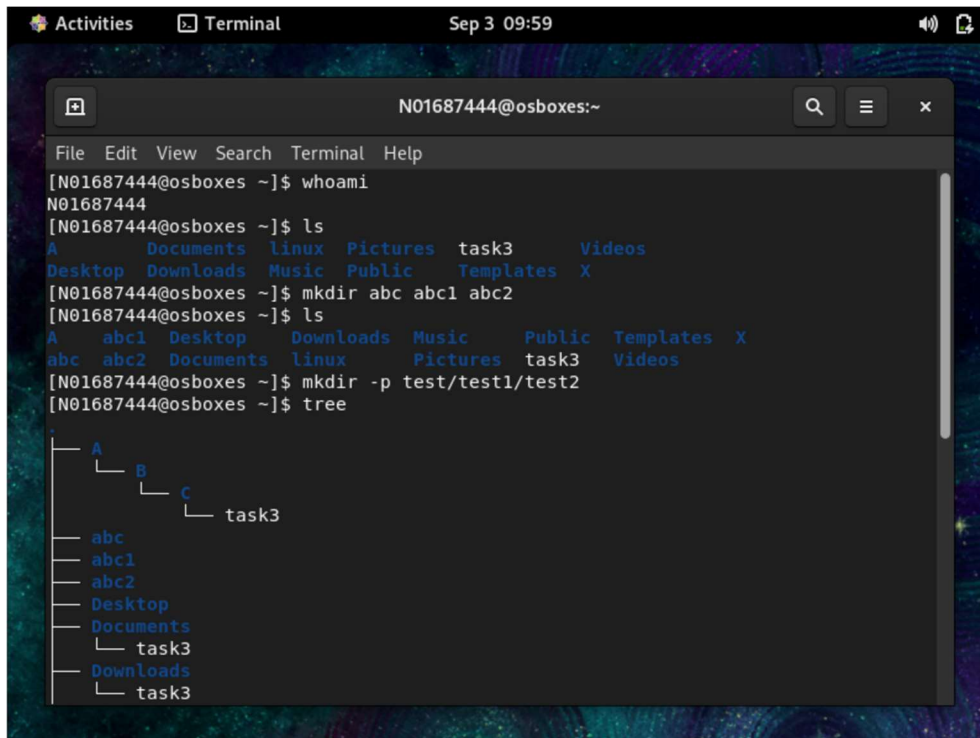
1. Using *man* describe the following.

pwd	prints the name of current/working directory
ls	lists directory contents
ls -a	do not ignore entries starting with
ls -l	do not list implied entries matching shell PATTERN
mkdir	makes a new directory
rmdir	removes empty directories
cp	copy files and directories
cp -i	prompt before overwrite (overrides a previous -n option)
rm, -r and -f	remove files or directories. -r:- remove directories and their contents recursively. -f:- ignore nonexistent files and arguments, never prompt.

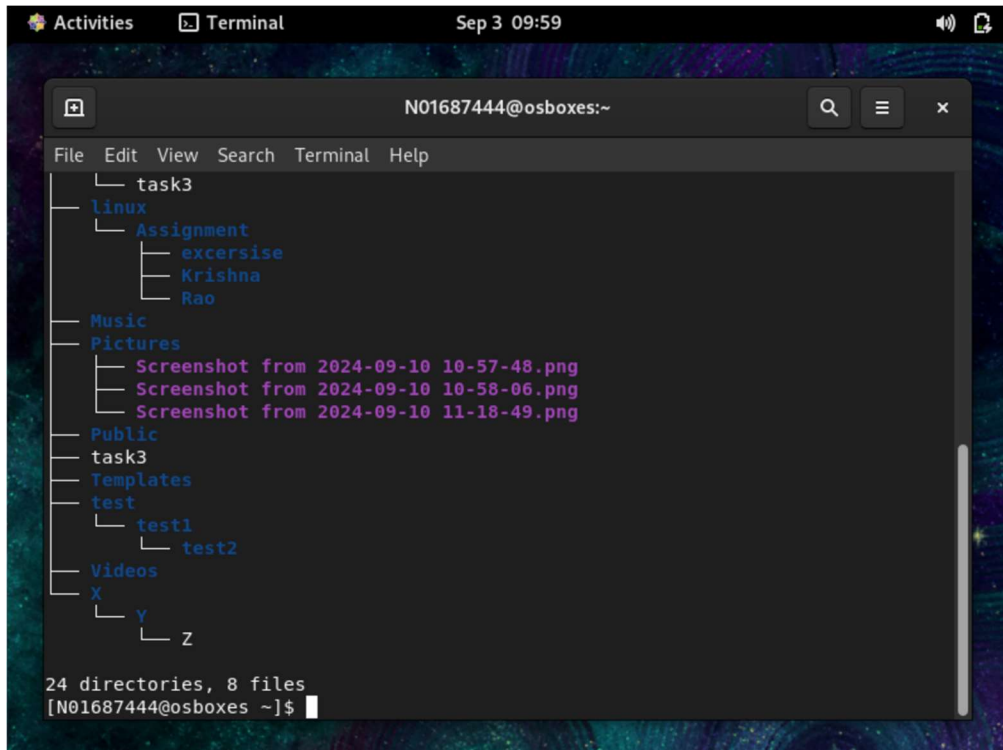
2. Type the following commands one by one and press Enter

- whoami
- ls
- Create the directory abc, abc1 and abc2 in your home folder
- ls
- mkdir -p test/test1/test2
- tree test

Paste the screenshot here.

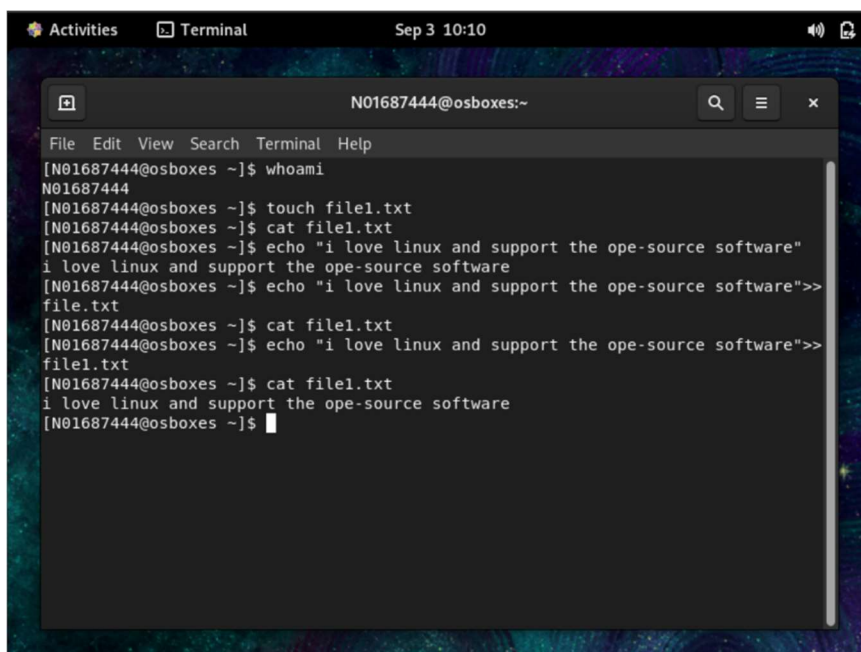


```
N01687444@osboxes:~  
File Edit View Search Terminal Help  
[N01687444@osboxes ~]$ whoami  
N01687444  
[N01687444@osboxes ~]$ ls  
A Documents linux Pictures task3 Videos  
Desktop Downloads Music Public Templates X  
[N01687444@osboxes ~]$ mkdir abc abc1 abc2  
[N01687444@osboxes ~]$ ls  
A abc1 Desktop Downloads Music Public Templates X  
abc abc2 Documents linux Pictures task3 Videos  
[N01687444@osboxes ~]$ mkdir -p test/test1/test2  
[N01687444@osboxes ~]$ tree  
.  
├── A  
│   ├── B  
│   │   └── C  
│   │       └── task3  
├── abc  
├── abc1  
├── abc2  
├── Desktop  
├── Documents  
│   └── task3  
├── Downloads  
│   └── task3  
├── linux  
├── Pictures  
├── task3  
├── Templates  
├── Videos  
└── test  
    └── test1  
        └── test2
```



3. Type the following commands one by one and press Enter
 - a. whoami
 - b. touch file1.txt
 - c. cat file1.txt
 - d. echo "I love Linux and support the open-source software."
 - e. echo "I love Linux and support the open-source software.">>file1.txt
 - f. cat file1.txt
 - g. what is difference between who and whoami?

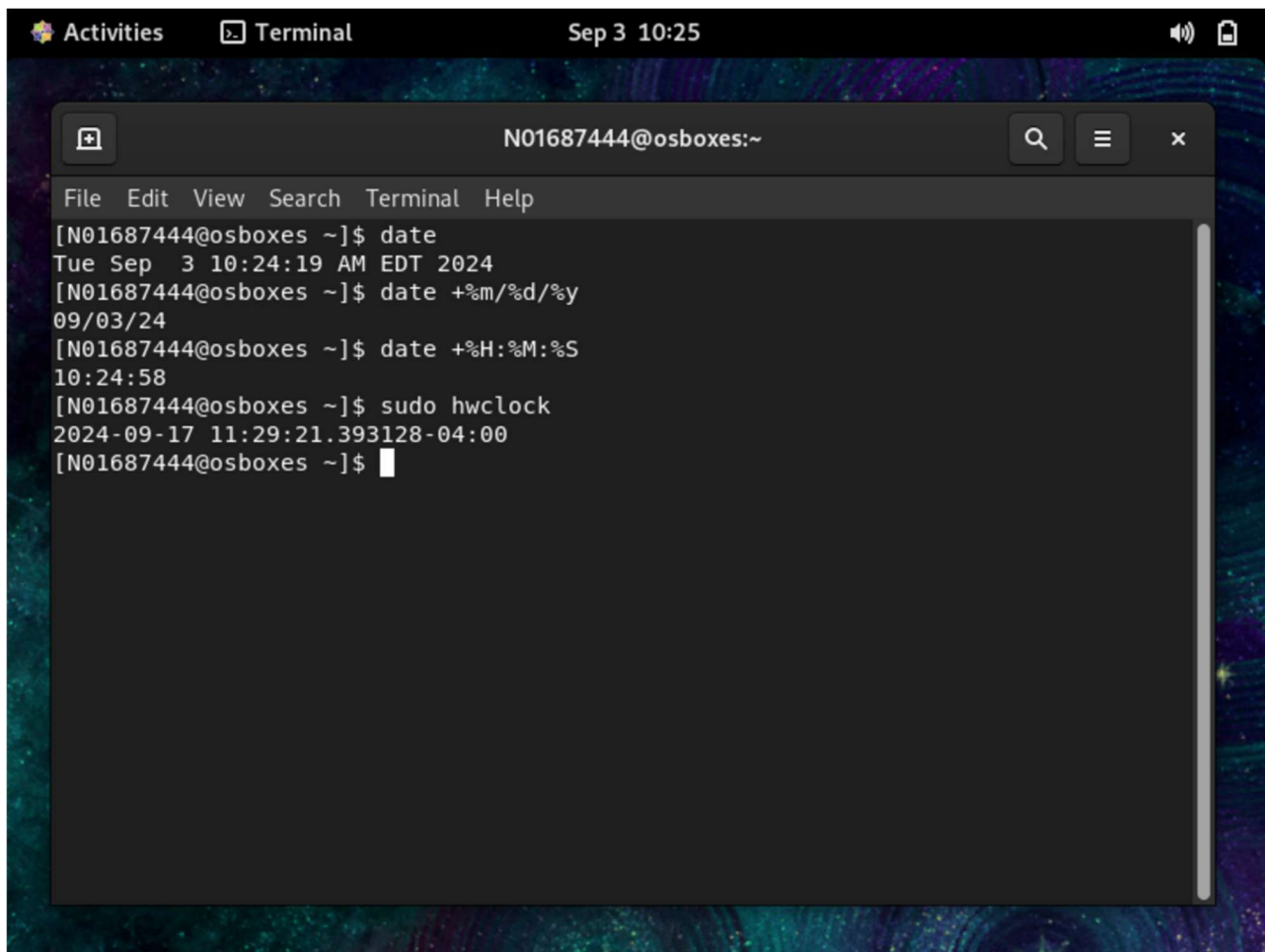
Paste the screenshot here.



The difference between `who` and `whoami` is `who` shows the username of current logged in user and `whoami` shows the user information.

4. Type the following commands one by one and press Enter
 - a. `date`
 - b. `date +%m/%d/%y`
 - c. `date +%H:%M:%S`
 - d. set the system time using time clock utility (`hwclock`)

Paste the screenshot here.

A screenshot of a Linux terminal window. The window title is "Terminal" and the system clock shows "Sep 3 10:25". The terminal content shows the user "N01687444@osboxes" at the prompt. The commands and their outputs are: `date` returns "Tue Sep 3 10:24:19 AM EDT 2024"; `date +%m/%d/%y` returns "09/03/24"; `date +%H:%M:%S` returns "10:24:58"; and `sudo hwclock` returns "2024-09-17 11:29:21.393128-04:00". The prompt is now ready for the next command.

```
File Edit View Search Terminal Help
[N01687444@osboxes ~]$ date
Tue Sep 3 10:24:19 AM EDT 2024
[N01687444@osboxes ~]$ date +%m/%d/%y
09/03/24
[N01687444@osboxes ~]$ date +%H:%M:%S
10:24:58
[N01687444@osboxes ~]$ sudo hwclock
2024-09-17 11:29:21.393128-04:00
[N01687444@osboxes ~]$
```

5. Type the following commands one by one and press Enter
 - a. `ls -l`
 - b. `ls -al`
 - c. `ls -alt`

Observe the output of above commands and reflect.

Ls -l shows the list of all the directories.

Ls-al shows the list of the directories including system directories.

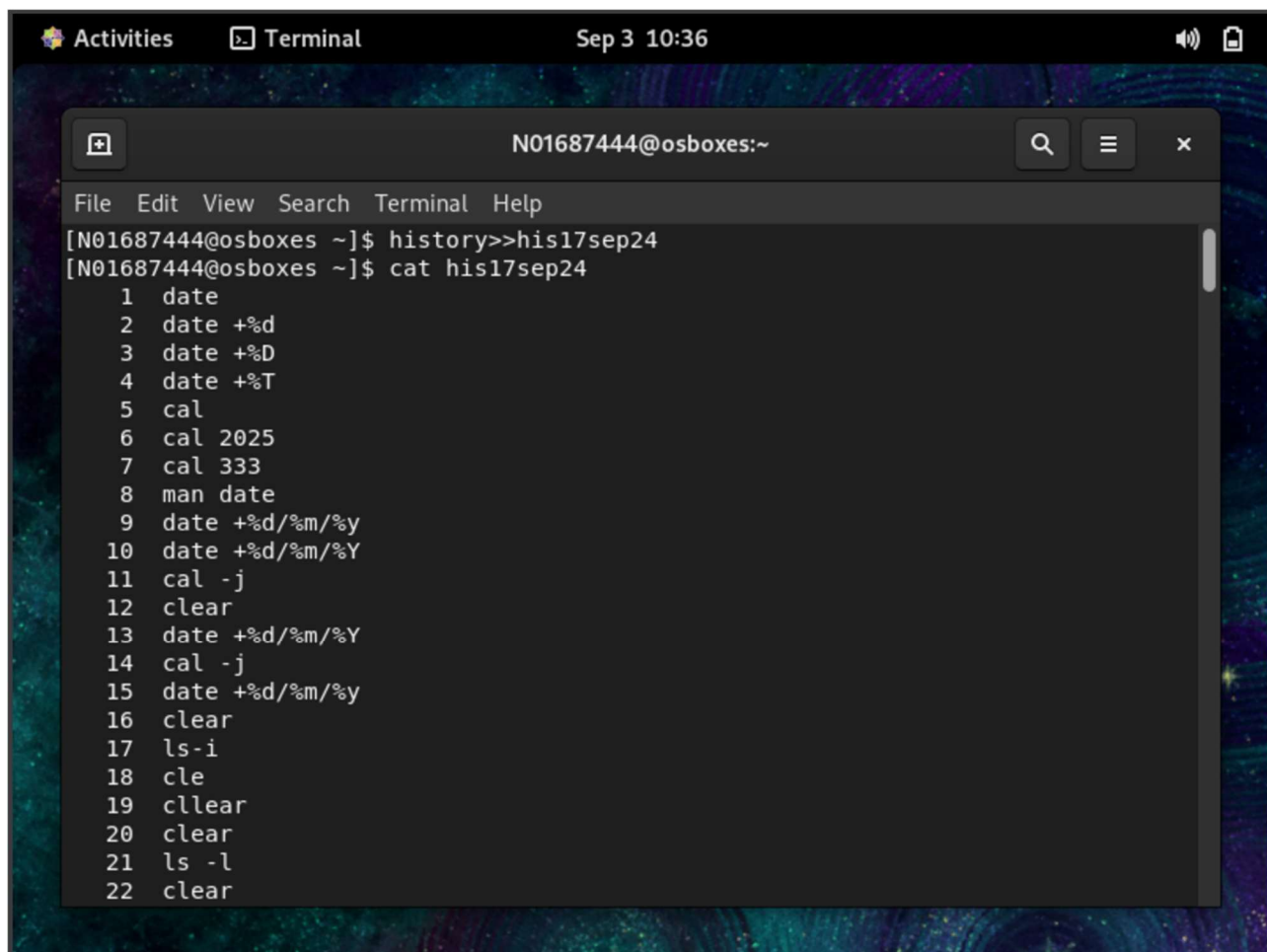
Ls-alt it works same as ls-al but there is some added information in this.

6. Redirect the history to file "his17Sep24".

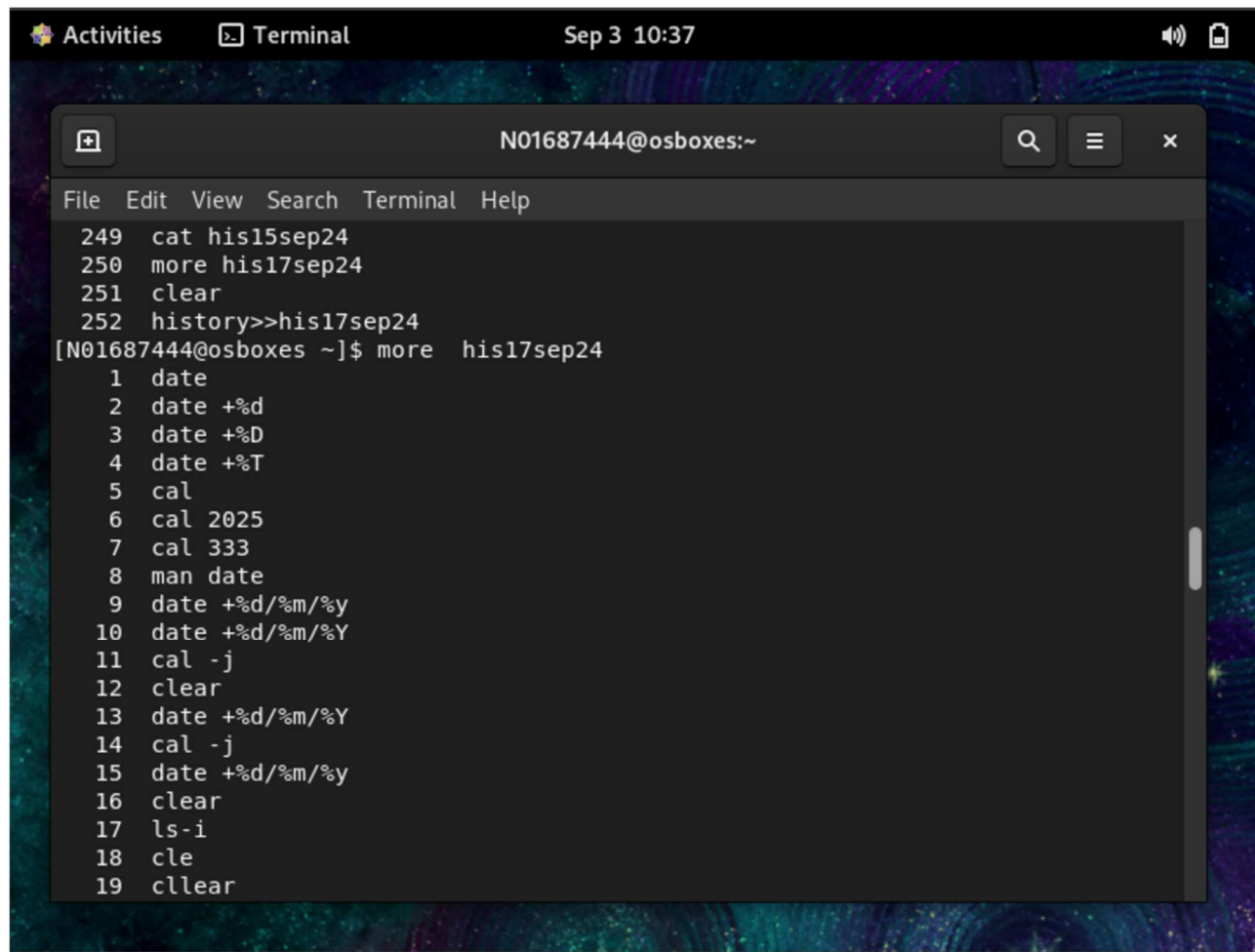
Issue the following command and note down your observations.

- a. Cat his17Sep24
- b. more his17Sep24
- c. less his17Sep24
- d. What is difference between more and less.

Paste the screenshot here.



```
Activities Terminal Sep 3 10:36
N01687444@osboxes:~
File Edit View Search Terminal Help
[N01687444@osboxes ~]$ history>>his17sep24
[N01687444@osboxes ~]$ cat his17sep24
1 date
2 date +%d
3 date +%D
4 date +%T
5 cal
6 cal 2025
7 cal 333
8 man date
9 date +%d/%m/%y
10 date +%d/%m/%Y
11 cal -j
12 clear
13 date +%d/%m/%Y
14 cal -j
15 date +%d/%m/%y
16 clear
17 ls-i
18 cle
19 cllear
20 clear
21 ls -l
22 clear
```

A terminal window titled 'N01687444@osboxes:~' with a menu bar (File, Edit, View, Search, Terminal, Help) and search, menu, and close buttons. The terminal shows a sequence of commands: 'cat his15sep24', 'more his17sep24', 'clear', and 'history>>his17sep24'. The prompt '[N01687444@osboxes ~]\$ more his17sep24' is followed by a list of 19 commands: 1 date, 2 date +%d, 3 date +%D, 4 date +%T, 5 cal, 6 cal 2025, 7 cal 333, 8 man date, 9 date +%d/%m/%y, 10 date +%d/%m/%Y, 11 cal -j, 12 clear, 13 date +%d/%m/%Y, 14 cal -j, 15 date +%d/%m/%y, 16 clear, 17 ls-i, 18 cle, and 19 cllear.

```
249 cat his15sep24
250 more his17sep24
251 clear
252 history>>his17sep24
[N01687444@osboxes ~]$ more his17sep24
 1 date
 2 date +%d
 3 date +%D
 4 date +%T
 5 cal
 6 cal 2025
 7 cal 333
 8 man date
 9 date +%d/%m/%y
10 date +%d/%m/%Y
11 cal -j
12 clear
13 date +%d/%m/%Y
14 cal -j
15 date +%d/%m/%y
16 clear
17 ls-i
18 cle
19 cllear
```

The difference between more and less is more has :

forward navigation and limited backward

navigation and less has both forward and

backward navigation and also has search

options.