

1. Install CentOS /RHEL

Installed

2. What is the difference between cat and more command?

cat command show all the content of lab.

more command show the file content (screen)part by part.

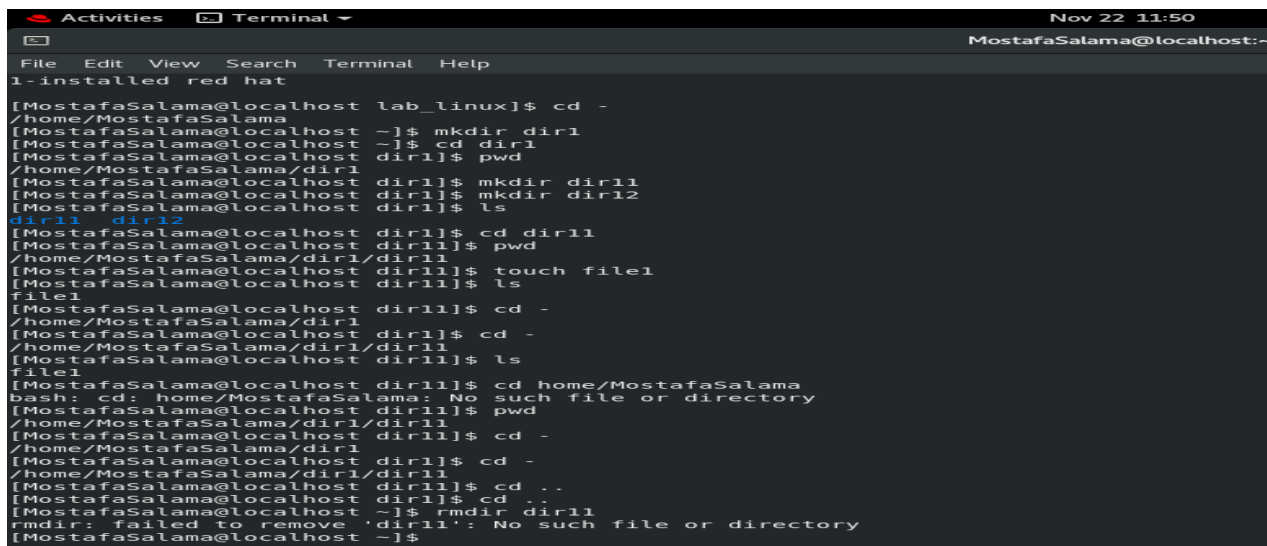
3. What is the difference between rm and rmdir using man?

rm command delete file

rmdir command delete folder in condition direct is empty

rmdir -r command will delete the directory even it is contain files and data

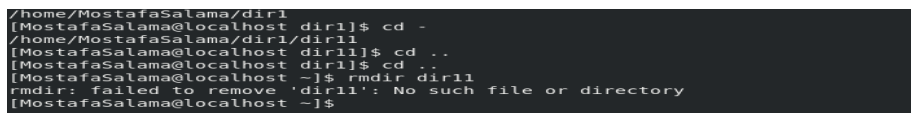
4. Create the following hierarchy under your home directory:



```
Nov 22 11:50
MostafaSalama@localhost:~
File Edit View Search Terminal Help
1-installed red hat
[MostafaSalama@localhost lab_linux]$ cd -
/home/MostafaSalama
[MostafaSalama@localhost ~]$ mkdir dir1
[MostafaSalama@localhost ~]$ cd dir1
[MostafaSalama@localhost dir1]$ pwd
/home/MostafaSalama/dir1
[MostafaSalama@localhost dir1]$ mkdir dir11
[MostafaSalama@localhost dir1]$ mkdir dir12
[MostafaSalama@localhost dir1]$ ls
dir11  dir12
[MostafaSalama@localhost dir1]$ cd dir11
[MostafaSalama@localhost dir11]$ pwd
/home/MostafaSalama/dir1/dir11
[MostafaSalama@localhost dir11]$ touch file1
[MostafaSalama@localhost dir11]$ ls
file1
[MostafaSalama@localhost dir11]$ cd -
/home/MostafaSalama/dir1
[MostafaSalama@localhost dir1]$ cd -
/home/MostafaSalama/dir1/dir11
[MostafaSalama@localhost dir11]$ ls
file1
[MostafaSalama@localhost dir11]$ cd home/MostafaSalama
bash: cd: home/MostafaSalama: No such file or directory
[MostafaSalama@localhost dir11]$ pwd
/home/MostafaSalama/dir1/dir11
[MostafaSalama@localhost dir11]$ cd -
/home/MostafaSalama/dir1
[MostafaSalama@localhost dir1]$ cd -
/home/MostafaSalama/dir1/dir11
[MostafaSalama@localhost dir11]$ cd ..
[MostafaSalama@localhost dir11]$ cd ..
[MostafaSalama@localhost dir1]$ rm -r dir11
rm: failed to remove 'dir11': No such file or directory
[MostafaSalama@localhost ~]$
```

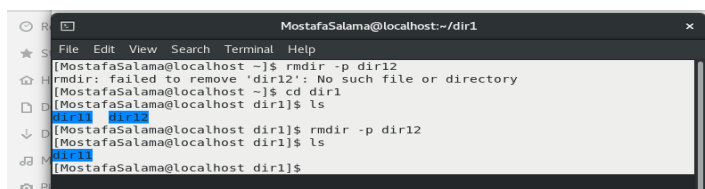
a. Remove dir11 in one-step. What did you notice? And how did you overcome that?

we can not delet dir 11 because it contain file and directory



```
[MostafaSalama@localhost dir11]$ cd -
/home/MostafaSalama/dir1
[MostafaSalama@localhost dir11]$ cd ..
[MostafaSalama@localhost dir11]$ cd ..
[MostafaSalama@localhost dir11]$ rm -r dir11
rm: failed to remove 'dir11': No such file or directory
[MostafaSalama@localhost ~]$
```

b. Then remove dir12 using rmdir -p command. State what happened to the hierarchy (Note: you are in your home directory).



```
MostafaSalama@localhost:~/dir1
File Edit View Search Terminal Help
[MostafaSalama@localhost ~]$ rmdir -p dir12
rmdir: failed to remove 'dir12': No such file or directory
[MostafaSalama@localhost ~]$ cd dir1
[MostafaSalama@localhost dir1]$ ls
dir11  dir12
[MostafaSalama@localhost dir1]$ rmdir -p dir12
[MostafaSalama@localhost dir1]$ ls
dir11
[MostafaSalama@localhost dir1]$
```

5. Copy the `/etc/passwd` file to your home directory making its name is `mypasswd`.

6. Rename this new file to be oldpasswd.

7. You are in `/usr/bin`, list four ways to go to your home directory

8. List Linux commands in `/usr/bin` that start with letter `w`

9. Display the first 4 lines of /etc/passwd

10.Display the last 7 lines of /etc/passwd

11. Display the man pages of passwd the command and the file sequentially in one command

Man passwd ; cat

12. Display the man page of the passwd file.

```
ssh:x:74:74:Privilege-separated SSH:/var/empty/ssh:/sbin/nologin
MostafaSalama:x:1000:1000:MostafaSalama:/home/MostafaSalama:/bin/bash
[MostafaSalama@localhost etc]$ man passwd
[MostafaSalama@localhost etc]$ man passwd
[MostafaSalama@localhost etc]$ man -s passwd
What manual page do you want?
[MostafaSalama@localhost etc]$
```

13. Display a list of all the commands that contain the keyword passwd in their man page.

```
[MostafaSalama@localhost etc]$ man -a passwd
--Man-- next: passwd(5) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
[MostafaSalama@localhost etc]$ man -k passwd
passwd: nothing appropriate.
[MostafaSalama@localhost etc]$
```