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1. Install CentOS Desktop Version

2. Create the following hierarchy under your home directory:

```
graph TD
    dir1 --> dir11
    dir1 --> dir12
    dir11 --> file1
    doc --> file2
```

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

4. Rename this mypasswd to be oldpasswd

5. The output of the command pwd was /home/user. Write the absolute and relative path for the file2

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

7. List all hidden files and directories in your home directory

8. Copy the dir1 to your downloads under name dir4

2)mkdir dir1

Cd dir1

mkdir dir11 dir12

cd dir11

touch file1

cd ..

cd ..

mkdir doc

cd doc

touch file2

```
israamohamed@localhost:~/doc
israamohamed@localhost ~]$ mkdir dir1
israamohamed@localhost ~]$ cd dir1
israamohamed@localhost dir1]$ mkdir dir11 dir12
israamohamed@localhost dir1]$ cd dir11
israamohamed@localhost dir11]$ touch file1
israamohamed@localhost dir11]$ cd ..
israamohamed@localhost dir1]$ cd..
bash: cd..: command not found...
israamohamed@localhost dir1]$ cd ..
israamohamed@localhost ~]$ mkdir doc
israamohamed@localhost ~]$ cd doc
israamohamed@localhost doc]$ touch file2
israamohamed@localhost doc]$
```

3) [israamohamed@localhost ~]\$ mkdir etc

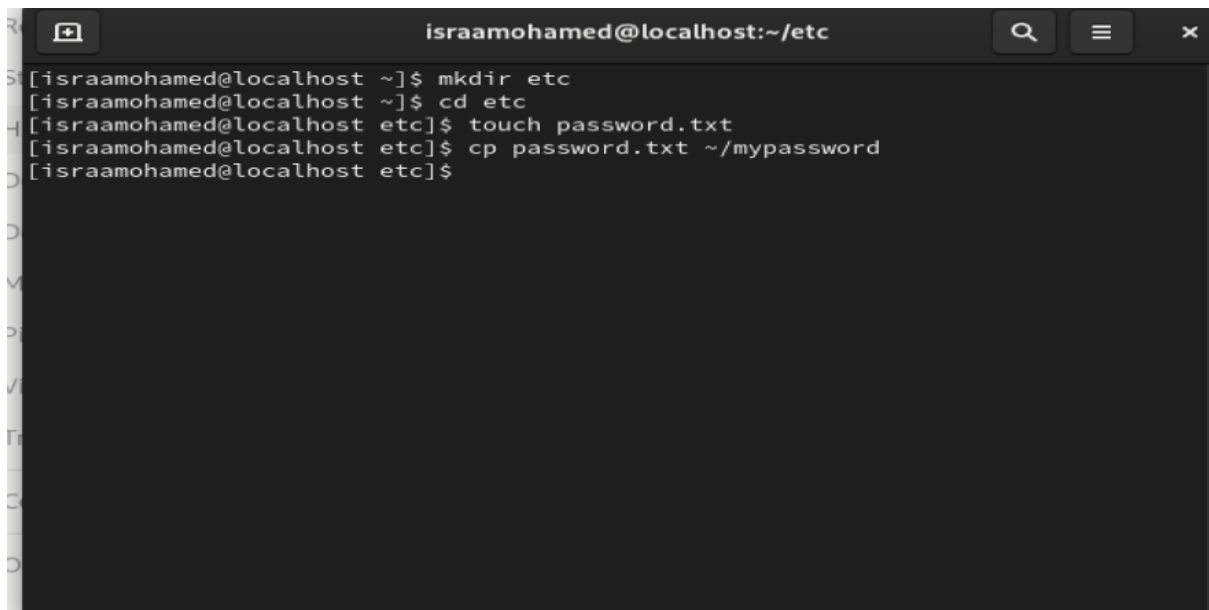
[israamohamed@localhost ~]\$ cd etc

[israamohamed@localhost etc]\$ touch password.txt

[israamohamed@localhost etc]\$ cp password.txt ~/mypassword

Or

cp /etc/passwd mypasswd

A terminal window with a dark background and light text. The title bar at the top reads 'israamohamed@localhost:~/etc'. The terminal shows a sequence of commands and their outputs: 1. '[israamohamed@localhost ~]\$ mkdir etc' followed by a new line. 2. '[israamohamed@localhost ~]\$ cd etc' followed by a new line. 3. '[israamohamed@localhost etc]\$ touch password.txt' followed by a new line. 4. '[israamohamed@localhost etc]\$ cp password.txt ~/mypassword' followed by a new line. 5. '[israamohamed@localhost etc]\$' followed by a new line. The window has standard Linux terminal icons on the left (back, forward, search, etc.) and window control buttons (search, menu, close) on the right.

```
israamohamed@localhost:~/etc
[israamohamed@localhost ~]$ mkdir etc
[israamohamed@localhost ~]$ cd etc
[israamohamed@localhost etc]$ touch password.txt
[israamohamed@localhost etc]$ cp password.txt ~/mypassword
[israamohamed@localhost etc]$
```

4) [israamohamed@localhost ~]\$ mv newpassword ~/oldpassword

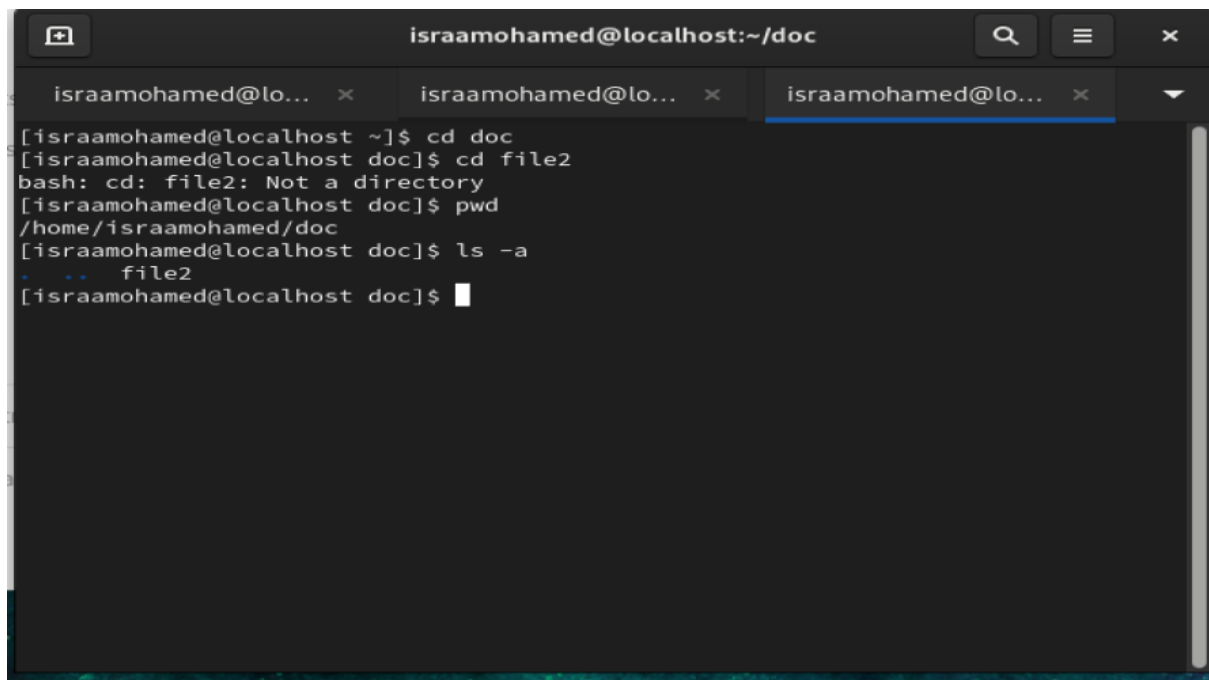
or

mv newpassword oldpassword

ls

```
israamohamed@localhost ~]$ mv newpassword ~/oldpassword
israamohamed@localhost ~]$ ^C
israamohamed@localhost ~]$
```

```
5) [israamohamed@localhost ~]$ cd doc
[israamohamed@localhost doc]$ cd file2
bash: cd: file2: Not a directory
[israamohamed@localhost doc]$ pwd
/home/israamohamed/doc
[israamohamed@localhost doc]$ ls -a
. .. file2
```

A screenshot of a terminal window titled 'israamohamed@localhost:~/doc'. The window has three tabs, all labeled 'israamohamed@lo...'. The terminal content matches the text block above, showing the user navigating from their home directory to 'doc', attempting to navigate to 'file2' (which fails), checking the current directory with 'pwd', and listing files with 'ls -a'. The output shows the current directory is '/home/israamohamed/doc' and the files are '.', '..', and 'file2'. The prompt is currently '[israamohamed@localhost doc]\$'.

6)

```
[israamohamed@localhost doc]$ cd..  
bash: cd..: command not found...  
[israamohamed@localhost doc]$ cd ..  
[israamohamed@localhost ~]$ mkdir usr  
[israamohamed@localhost ~]$ cd usr  
[israamohamed@localhost usr]$ cd~  
bash: cd~: command not found...  
[israamohamed@localhost usr]$ cd $HOME  
[israamohamed@localhost ~]$ cd ~  
[israamohamed@localhost ~]$ cd /usr  
[israamohamed@localhost usr]$ cd bin  
[israamohamed@localhost bin]$ cd ~  
[israamohamed@localhost ~]$ cd /usr  
[israamohamed@localhost usr]$ cd bin  
[israamohamed@localhost bin]$ cd /home/user  
bash: cd: /home/user: No such file or directory  
[israamohamed@localhost bin]$ cd / home/ user  
bash: cd: too many arguments  
[israamohamed@localhost bin]$ cd
```

Four ways

cd ~

cd /home/user

cd ..

cd -

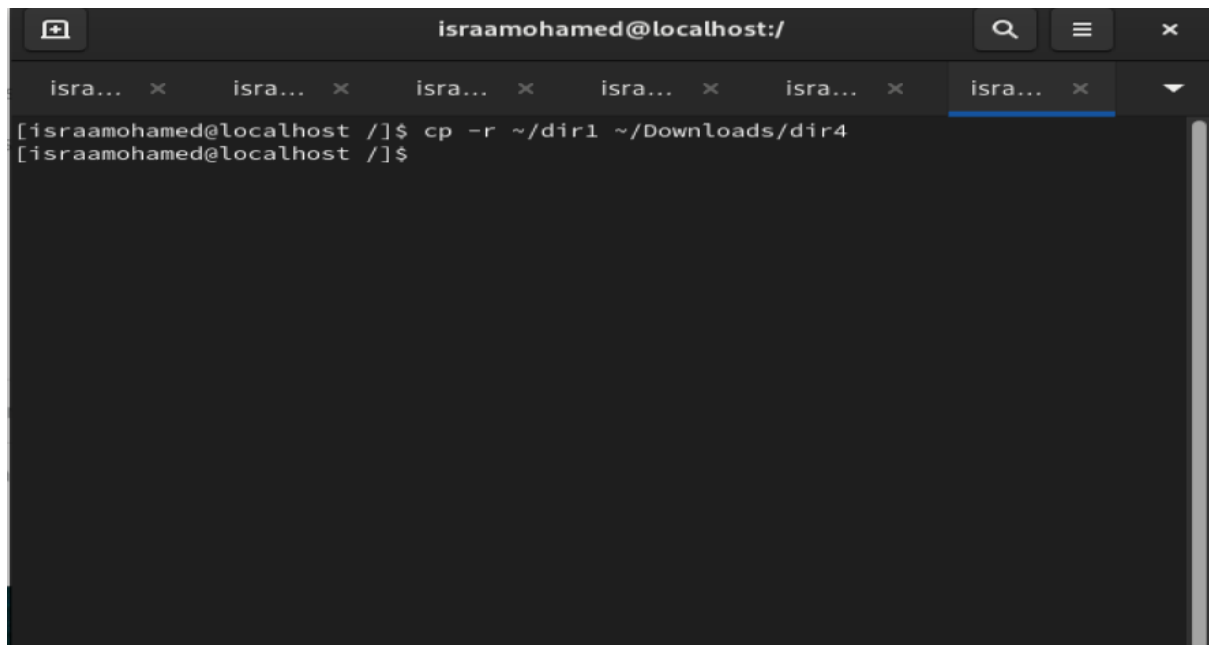
```
israamohamed@localhost:/usr/bin

israamohamed@localhost doc]$ cd..
ash: cd..: command not found...
israamohamed@localhost doc]$ cd ..
israamohamed@localhost ~]$ mkdir usr
israamohamed@localhost ~]$ cd usr
israamohamed@localhost usr]$ cd~
ash: cd~: command not found...
israamohamed@localhost usr]$ cd $HOME
israamohamed@localhost ~]$ cd ~
israamohamed@localhost ~]$ cd /usr
israamohamed@localhost usr]$ cd bin
israamohamed@localhost bin]$ cd ~
israamohamed@localhost ~]$ cd /usr
israamohamed@localhost usr]$ cd bin
israamohamed@localhost bin]$ cd /home/user
ash: cd: /home/user: No such file or directory
israamohamed@localhost bin]$ cd / home/ user
ash: cd: too many arguments
israamohamed@localhost bin]$ cd
```

7) [israamohamed@localhost /]\$ cp -r ~/dir1 ~/Downloads/dir4

```
[israamohamed@localhost /]$ ls -a
.   afs  boot  etc   lib   media  opt   root  sbin  sys  usr
..  bin   dev   home  lib64 mnt    proc  run   srv   tmp  var
[israamohamed@localhost /]$
```

8) [israamohamed@localhost /]\$ cp -r ~/dir1 ~/Downloads/dir4



```
israamohamed@localhost: /
[israamohamed@localhost /]$ cp -r ~/dir1 ~/Downloads/dir4
[israamohamed@localhost /]$
```

The image shows a terminal window with a dark background. The title bar at the top reads "israamohamed@localhost: /". Below the title bar, there are several tabs, each labeled "isra..." followed by a close button (X). The terminal content shows the user typing the command "cp -r ~/dir1 ~/Downloads/dir4" and pressing enter, followed by a new prompt line "[israamohamed@localhost /]\$".