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Assignment 1 (Not in full screen mode)

Invalid user name:



The screenshot shows a CentOS login interface. At the top, the date and time are 'Wed 11:15'. Below this, there is a 'Username:' label and a text input field containing 'tarunNayak'. Below the input field are two buttons: 'Cancel' and 'Next'. At the bottom center is the CentOS logo. The background is dark grey.

Password:



The screenshot shows the same CentOS login interface. At the top, the date and time are 'Wed 11:17'. Below this, there is a 'Password:' label and a text input field filled with dots. Below the input field are two buttons: 'Cancel' and 'Sign In'. At the bottom center is the CentOS logo. The background is dark grey.

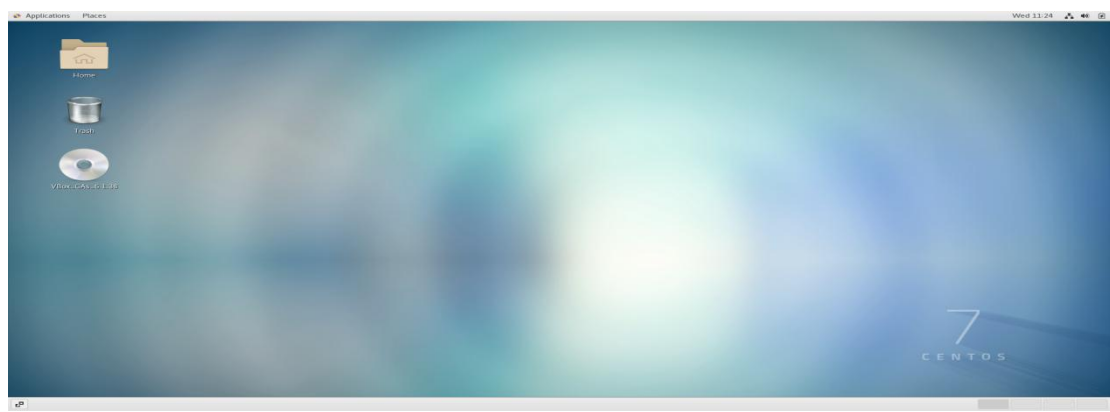
Result: As the user doesn't even exist am getting the below error message



Assignment 2(Full screen dependency installation)

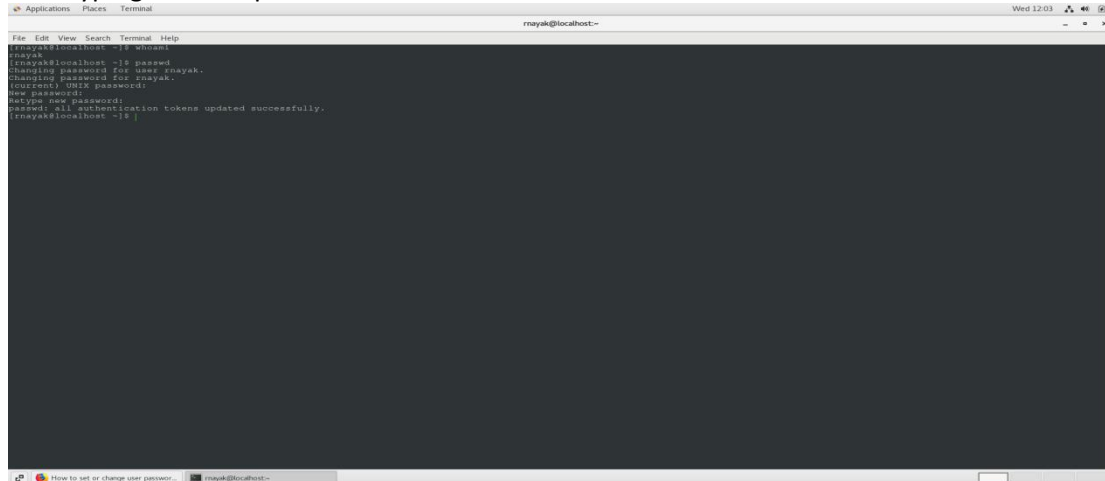
After installing all the dependancies I was able to make the full screen . Below are the commands used and their explanation :

- Step 1- go to root directory using ***su - root***
- Step 2- then type : ***sudo yum -y install gcc***
- Step 3- the type : ***sudo yum install make perl***
- Step 4- then type : ***y*** and hit enter
- Step 5- then type : ***sudo yum -y install kernel-devel-\$(uname -r)*** and hit enter
- Step 6- then type : ***sudo yum install elfutils-libelf-devel***
when prompted press ***y*** and hit enter
- Step 7- Now click on application
- Step 8- Open file
- Step 9- Click on the eject button of **VBox** and close the window
- Step 10- Then click on **Devices**
- Step 11- click on Guest edition **CD image**
- Step 12 - Then click on Run if prompted
Type your password and enter
and Wait for some time
- Step 13- then type : ***sudo reboot***
- Step 14- Once the system is rebooted click on View and click on Full Screen



Assignment 2.1: Password changing

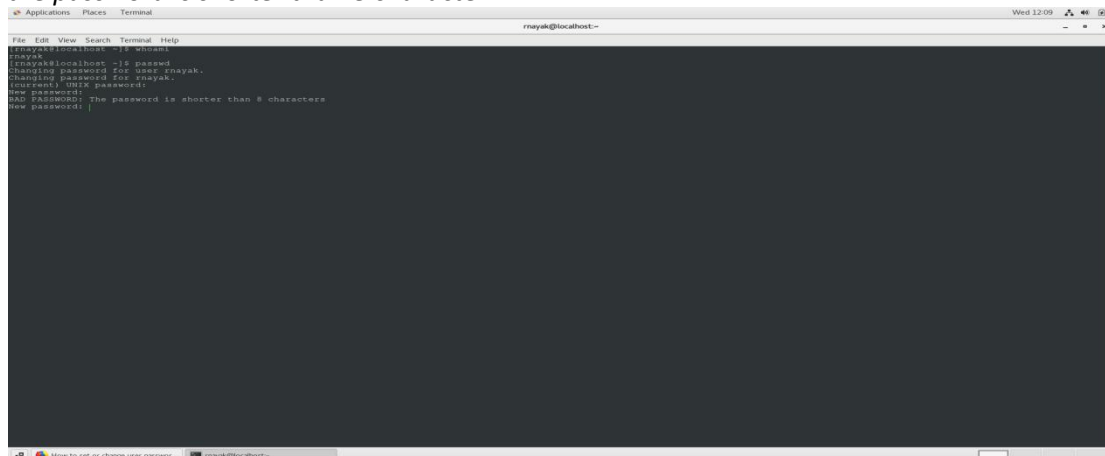
- 1- Checking the current user : **whoami**
- 2- Initiating password change : **passwd**
- 3- Entering new password
- 4- Retyping the new password and Enter



```
File Edit View Search Terminal Help
mayak@localhost:~$ whoami
mayak
mayak@localhost:~$ passwd
Changing password for user mayak.
Changing password for mayak.
(current) NEW password:
new password:
Retype new password:
passwd: all authentication tokens updated successfully.
mayak@localhost:~$
```

Again changing password with 1234 or abcd

While trying to change the password with **12345** below error is thrown saying *Bad Password : the password is shorter than 8 character*



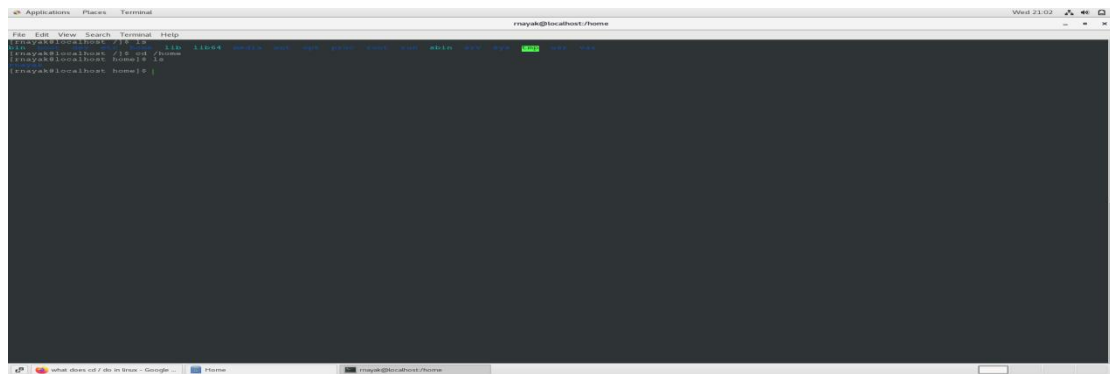
```
File Edit View Search Terminal Help
mayak@localhost:~$ whoami
mayak
mayak@localhost:~$ passwd
Changing password for user mayak.
Changing password for mayak.
(current) NEW password:
new password:
Bad Password: The password is shorter than 8 characters
new password:
```

Proceeding without giving the current password :

While proceeding for the password change without even giving the current password , thrown the below error as ***“Authentication token manipulation error”***

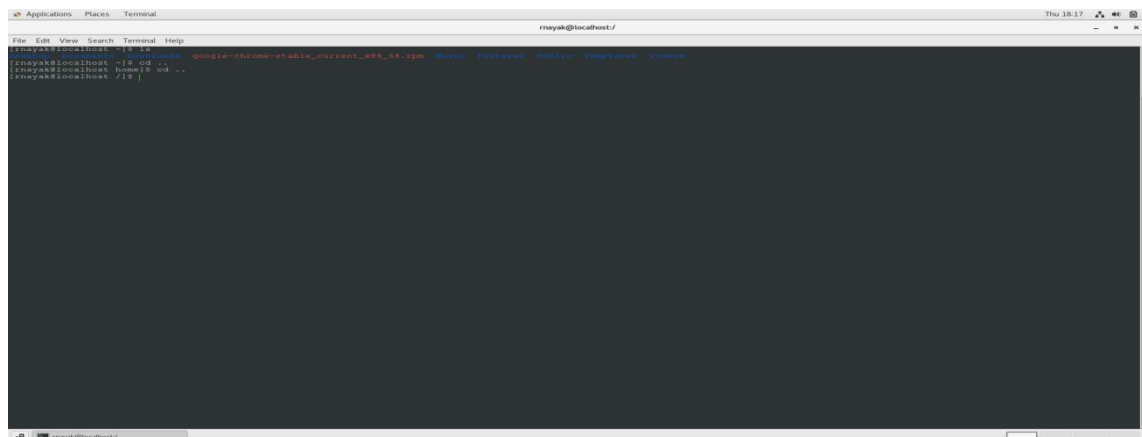
cd /home : It brings us back to **home** directory
ls : Then applying **ls** in home directory shows the list of **users** present inside the **home** directory.

So, considering the below screenshot we can conclude that the home directory is used to store all the users created in a system.



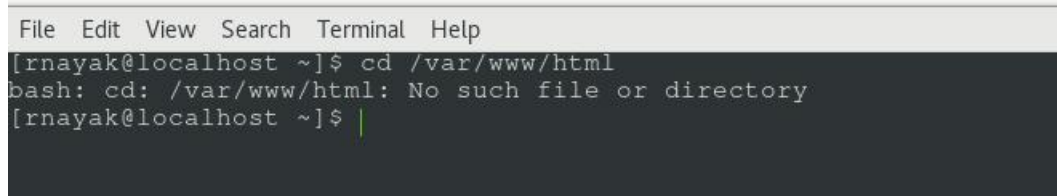
```
rnayak@localhost: /$ cd /
rnayak@localhost: /$ cd /home
rnayak@localhost: /home$
```

cd .. and Enter : This command brings us to the previous directory . In the below screenshot we were at the user directory and after using the command it moved **backward** to the **home** directory.



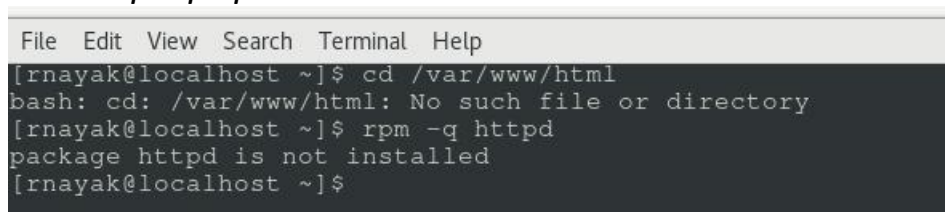
```
rnayak@localhost: /home$ cd ..
rnayak@localhost: /$
```

cd /var/www/html and then type cd and hit Enter key : When I tried this command got the below error as



```
rnayak@localhost ~]$ cd /var/www/html
bash: cd: /var/www/html: No such file or directory
rnayak@localhost ~]$
```

Then after some reseach I found out that the **httpd** is not available in my system by using the command **rpm -q httpd** :



```
rnayak@localhost ~]$ cd /var/www/html
bash: cd: /var/www/html: No such file or directory
rnayak@localhost ~]$ rpm -q httpd
package httpd is not installed
rnayak@localhost ~]$
```

Then installed **httpd** using **yum install httpd** and verified using the same **rpm -q httpd** command :

```
Complete!
[root@localhost ~]# rpm -q httpd
httpd-2.4.6-97.el7.centos.5.x86_64
[root@localhost ~]#
```

Now after installing again trying : `cd /var/www/html` : it took us inside the **html** directory .

```
File Edit View Search Terminal Help
[rnayak@localhost ~]$ cd /var/www/html cd
[rnayak@localhost html]$
```

cd /root and then hit **Enter** key

Got the error as **Permission denied:**

```
File Edit View Search Terminal Help
[rnayak@localhost ~]$ cd /root
bash: cd: /root: Permission denied
[rnayak@localhost ~]$
```

Assignment 4(Working with File Listing)

cd /etc and ls : cd /etc takes us to the **etc** directory and after commanding **ls** it lists out all the **system configurations** in etc directory .

[illegible]

[illegible][illegible]

Pwd refers Present Working Directory which shows the directory that we are currently working in .

Cd /var takes us to **var** directory and doing **ls** on the same shows the list of directories present inside the **var** directory.

```
File Edit View Search Terminal Help
rnayak@localhost ~]$ pwd
/home/rnayak
rnayak@localhost ~]$ cd /var
rnayak@localhost var]$ ls
account  cache  db      games  kerberos  local  log     nis     preserve  spool  www
adm      crash  empty  gopher lib      lock   mail    opt      run      tmp    yp
rnayak@localhost var]$
```