

## **Basic Linux Commands Assignments**

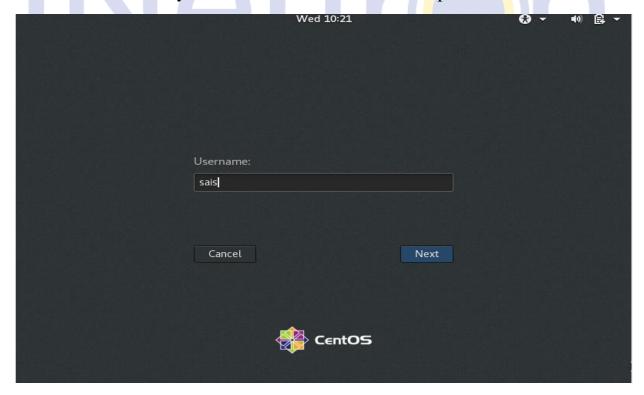
#### **Assignment-1**

**Connect and disconnect with login Access** 

- What happens when you login a non-existent users or username?
  - Provide Screenshot and What you understand, explain in short brief?

**Ans:** When we enter the username that we have not registered at time of OS burning to virtual box, the name got accepted. After that when we enter some random password to that username it showed" sorry that did not work. Try again". But when I try to enter root as username while login it gave me root privileges.

We cannot enter the system without valid username and password.

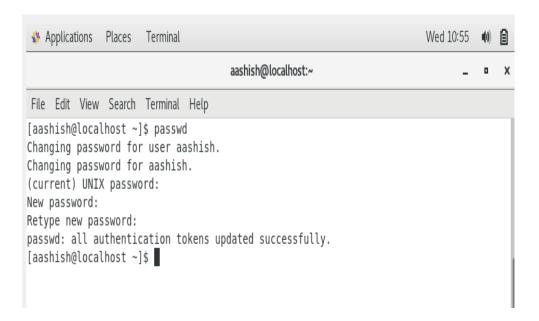




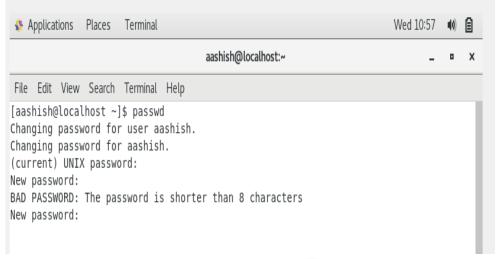
# **Assignment-2**

# **Password changing**

- Login into your account and then change password?
  - Change your password into *IneuR0n#42* and hit the Enter key
    - Explain what happen and give screenshot? I have used "passwd" command to change my password to above mentioned and it changed.

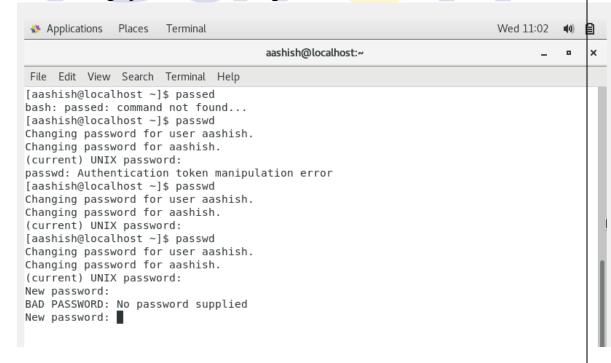


- Try again to change password but use like password 1234 or abcd
  - Explain what happen and give screenshot? I think we cannot change the password to less secure password.



- Try again to change password but now don't use any password just hit Enter key
  - Explain what happen and give screenshot?

It was showing "Bad password: no password supplied" .So we cannot change password to nothing.



## **Assignment-3**

#### **Working with Directories**

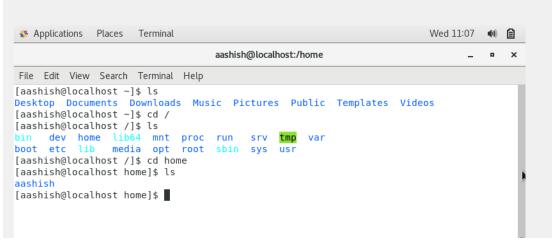
- Enter the command cd / and then ls and then hit Enter key
  - o Take screenshot and explain what output we got?

The output I got was mentioned below. This are related to the system files.

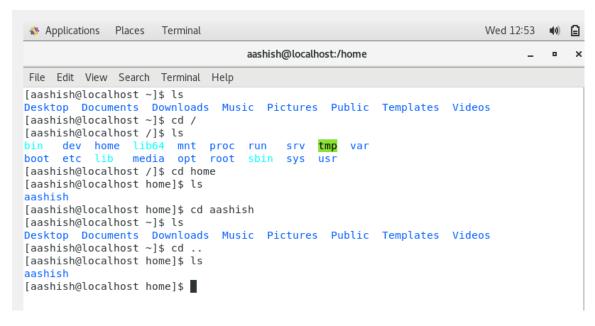


- Enter the command now cd /home and then hit Enter key
  - Do ls, provide screenshot and explain what is /home directory used for?

Home directory is used to store the user files that are available in the system.



- Enter cd .. and hit Enter key [ Note: here we have space after cd then use double dot]
  - Check what happen and give screenshot?
     After using that "cd .." command the directory went one step back.



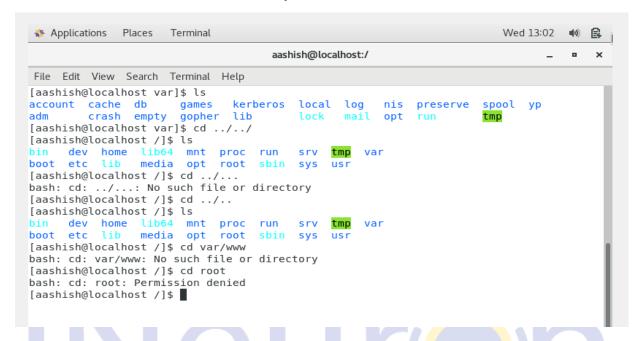
- Now enter cd /var/www/html and then type cd and hit Enter key
  - Explain what happen and give screenshot?

The path that was given above is not available in the Aashish user. After firing that command, we will get into the html directory it is the place where the html files will store.

```
Applications
                     Terminal
                                                                         Wed 12:58
                                     aashish@localhost:/
File Edit View Search Terminal Help
[aashish@localhost var]$ ls
account cache db
                               kerberos
                                         local
                                                log
                                                            preserve
                                                                      spool yp
                      gopher lib
         crash empty
                                         lock
                                                mail
                                                      opt
                                                                      tmp
[aashish@localhost var]$ cd ../../
[aashish@localhost /]$ ls
bin dev home lib64 mnt proc run
                                         srv
                                                    var
boot etc lib media opt root
                                   sbin sys
[aashish@localhost /]$ cd ../...
bash: cd: ../...: No such file or directory
[aashish@localhost /]$ cd ../..
[aashish@localhost /]$ ls
bin dev home lib64 mnt proc
boot etc lib media opt root
                            proc run
                                        srv
                                                   var
                                   sbin sys
                                              usr
[aashish@localhost /]$ cd var/www
bash: cd: var/www: No such file or directory
[aashish@localhost /]$
```

- Now type cd /root and then hit Enter key
  - Do ls, check any output we have on screen if yes then take screenshot?

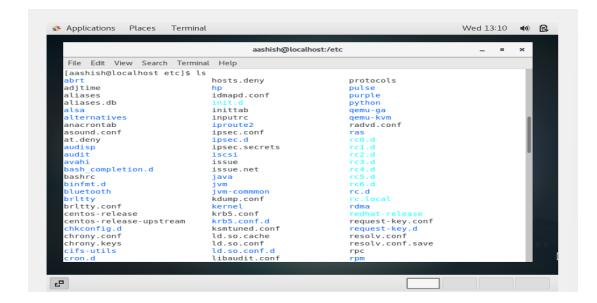
Ans: As we are not the root user, we do not have the permission to access the root directory.



#### **Assignment-4**

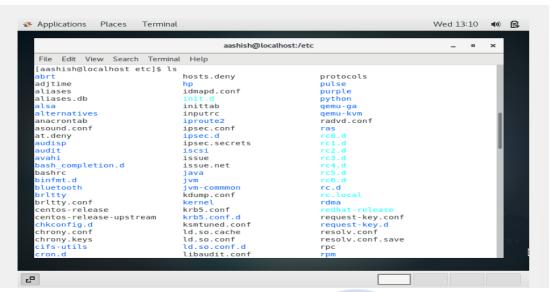
#### **Working with File Listing**

- Go to cd /etc and type ls
  - Take screenshot and explain what files you have seeing?
     I can see files related to the etc with contains some config files and different folders with different colours.



# Take screenshot and explain what different output you found compare to previous command you used?

Ans:The difference between the two outputs were the files that contain in different directory.

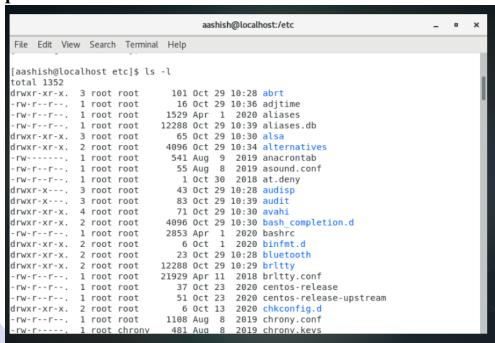


- Then type Is -al and hit Enter key
  - Take screenshot and explain what new file or directory you found?

Ans: It showed all the files including hidden files that contains in etc directory with the permissions of the files.

```
Applications Places Terminal
                                                                                                            Sat 10:54
                                                                                                                          - (1)
                                                       aashish@localhost:/etc
File Edit View Search Terminal Help
[aashish@localhost /]$ cd etc
[aashish@localhost etc]$ ls -la
total 1368
                                        224 Oct 29 10:43 .
224 Oct 29 10:36 .
101 Oct 29 10:28 abrt
16 Oct 29 10:27
drwxr-xr-x. 139 root root
dr-xr-xr-x. 17 root root
drwxr-xr-x. 3 root root
-rw-r--r-. 1 root root
-rw-r--r-. 1 root root
                                              16 Oct 29 10:36 adjtime
1529 Apr 1 2020 aliases
-rw-r--r-.
-rw-r--r-.
                  1 root root
3 root root
2 root root
1 root root
                                         12288 Oct 29 10:39 aliases.db
                     1 root root
drwxr-xr-x.
                                                 65 Oct 29 10:30 alsa
drwxr-xr-x.
                                             4096 Oct 29 10:34 alternatives
                                           541 Aug 9
55 Aug 8
                                                                2019 anacrontab
                                                             8 2019 asound.conf
                     1 root root
-rw-r--r-.
                     1 root root
                                                  1 Oct 30 2018 at.deny
                                         1 Oct 30 2018 at.deny
43 Oct 29 10:28 audisp
83 Oct 29 10:39 audit
71 Oct 29 10:30 avahi
4096 Oct 29 10:30 bash_comp
2853 Apr 1 2020 bashrc
6 Oct 1 2020 binfmt.d
23 Oct 29 10:28 bluetooth
drwxr-x---.
                     3 root root
drwxr-x--.
                    3 root root
drwxr-xr-x.
                   2 root root
1 root
                     4 root root
drwxr-xr-x.
                                             4096 Oct 29 10:30 bash_completion.d
-rw-r--r-.
                     1 root root
                    2 root root 23 Oct 29 10:28 blueroom 2 root root 12288 Oct 29 10:29 brltty
1 root root 21929 Apr 11 2018 brltty.conf
1 root root 37 Oct 23 2020 centos-release 1 root root 51 Oct 23 2020 centos-release 6 Oct 13 2020 chkconfig.d
drwxr-xr-x.
                   2 root root
drwxr-xr-x.
-rw-r--r--.
-rw-r--r-.
-rw-r--r--.
drwxr-xr-x.
```

- Then use ls -i and hit Enter key
  - Now see what different output its shows and take screenshot?
     Ans: it showed all the files without hidden files with permissions of files



- Then use Is –help and see other options about Is command
  - Explore it and try with other attribute we can use with ls command

Ans: it gives us a idea of how to use the ls command with different arguments.

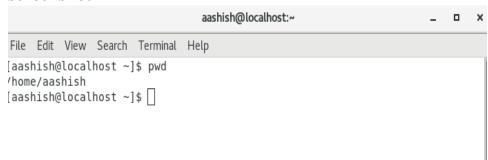
```
aashish@localhost:/etc
File Edit View Search Terminal Help
[aashish@localhost etc]$ ls -help
ls: invalid option -- 'e'
Try 'ls --help' for more information.
[aashish@localhost etc]$ ls --help
Usage: ls [OPTION]... [FILE]..
List information about the FILEs (the current directory by default).
Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.
Mandatory arguments to long options are mandatory for short options too.
  -a, --all
-A, --almost-all
                             do not ignore entries starting with .
                             do not list implied . and .
      --author
                             with -l, print the author of each file
  -b, --escape
                             print C-style escapes for nongraphic characters
      --block-size=SIZE
                            scale sizes by SIZE before printing them; e.g.,
                                '--block-size=M' prints sizes in units of
                               1,048,576 bytes; see SIZE format below
  -B. --ignore-backups
                             do not list implied entries ending with ~
                             with -lt: sort by, and show, ctime (time of last
modification of file status information);
                               with -l: show ctime and sort by name;
                               otherwise: sort by ctime, newest first
                             list entries by columns
  - C
                          colorize the output; WHEN can be 'never', 'auto',
      --color[=WHEN]
                               or 'always' (the default); more info below
                            list directories themselves, not their contents
  -d, --directory
  -D. --dired
                            generate output designed for Emacs' dired mode
```

# **Assignment-5**

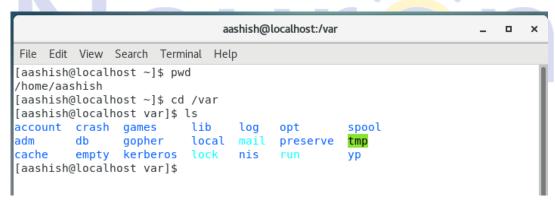
## Know where you are and where you working

Here we use pwd, cd and ls as combine task to understand where you working on terminal and how you can switch from one directory to another one.

- Open terminal after restart the linux
  - Check which location you working, type pwd and take screenshot



- Now use cd /var and hit Enter key
  - o Do ls, and see what output comes, give screenshot?



• Do explore other help options of each command to learn more other things we can do with these commands
Ans: yes done.