LINUX
COMMANDS

How to Login

Login as : 21J21A6617

21J21A6617 @ 192.168.0.57 password:

Note:- Here we cannot see the password since morphing is done

Login : Sat Aug 5 13:51:29 2023

from 192.168.0.57

Creation Commands

$mkdir : Create the directories if they do not already exists

[21J21A6617 @ localhost ~] $mkdir supreme

Note :- This just creates a directory

Now to view the file is created or not we use ls.

$cd : This command is used to change the directory. ⭕

[21J21A6617 @localhost ~]$cd supreme

[21J21A6617 @localhost supreme]$

Note:-
Now to exit the directory we execute cd command as following

[21J21A6617 @localhost supreme]$cd . .

[21J21A6617 @localhost ~]$

$vi : This command is used to either create a new file or to edit an existing one.

→ To enter to insert mode press i.

[21J21A6617 @localhost supreme]$vi adi.txt

press i on keyboard to enter insert mode and add

contents into a file :-

OUTPUT :-

"hello."

~
~
~
~
~

Note : To exit / close the file
we have to
press Esc button on keyboard
then type : wq
to save the file and exit.

(or)
press Esc button on keyboard
then press shift + zz buttons
on keyboard to save and exit
the currently opened file.

Note :- If you've made mistakes
along the way in your editing and
want to back out (abandon) all
non saved changes then
press Esc button and then
type :q!

This quits without saving the
change made to the file.

$ cat :- This command is used to create a new file and read and concatenate files.

[01J21A6617 @localhost supreme] $ cat > file1.txt
" hello "

Note :- Press Enter then type the required text and once done press Ctrl + D to save the file.

$ echo :- The command prints the strings that are passed as arguments to the standard output, which can be redirected to file.

[21J21A6617 @localhost supreme] $ echo "hi" >

file11.txt

Note :- If you want to create an empty file simply use

[21T21A6617@localhost supreme]$echo >file11.txt

Copying Commands

$cp :- copies the file from
source to destination file.

[21T21A6617@localhost supreme]$cp adi.txt file1.txt

Note :- Here contents of adi.txt have
been copied to file1.txt

Now to check contents of file1.txt
open it using either vi command
(or) cat commands.

[21T21A6617@localhost supreme]$vi file1.txt

OUTPUT :-

" hello "

Press Esc + shift + ZZ to save and
exit.

$mv :- Moves a file (i.e gives it
a different name, or moves
it into a different directory)

```
[21J21A6617@localhost supreme]$ mv adi.txt filell.txt
[21J21A6617@localhost supreme]$ ls
```

OUTPUT

file1.txt   file11.txt

```
[21J21A6617@localhost supreme]$ vi file11.txt
```

OUTPUT

"hello"

press   Esc + shift + ZZ

Note: To read file contents you can also use cat command but use cat without redirectional operator

```
[21J21A6617@localhost supreme]$ cat file11.txt
```

OUTPUT

"hello"

$ls :- lists all your files in the directory.

```
[21J21A6617@localhost supreme]$ ls
```
OUTPUT

adi.txt   file1.txt   file11.txt   ool.c   a.out

Note: $ls -l ⟶ lists files in long format

Creating File with touch Command

$ touch :- Allows us to update timestamps on existing file and as well as creating new empty files.

Updating Timestamps

[21J21A6617@localhost supreme]$ touch adi.txt

Note :- Since adi.txt was already created the timestamp of the file will now be changed

OUTPUT (Before Touch command)

[21J21A6617@localhost supreme]$ ls -l

-rw-r--r-- 21J21A6617 5 Apr 2 12:45 adi.tx
-rw-r--r-- 21J21A6617 5 Aug 7 13:45 file1.t
-rw-r--r-- 21J21A6617 5 Aug 14 13:10 file11.t

OUTPUT (After Touch command)

[21J21A6617@localhost supreme]$ ls -l

-rw-r--r-- 21J21A6617 5 Aug 14 1:15 adi.tat
-rw-r--r-- 21J21A6617 5 Aug 7 10:45 file1.txt
-rw-r--r-- 21J21A6617 5 Aug 14 13:10 file11.txt

Creation of new Empty files using touch command.

[21J21A6617@localhost supreme]$ touch dummy.txt

[21J21A6617@localhost supreme]$ ls

OUTPUT

adi.txt   file1.txt   file11.txt   dummy.txt

os1.c   a.out

$ cal :- This command gives you the calender of present month

[21J21A6617@localhost supreme]$ cal

OUTPUT

August 2023

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

$ date :- Gives the present date

[21J21A6617 @localhost supreme]$ data

Mon Aug 7 14:31:13 IST 2023

OTHER FILE COMMANDS

$ rm : This command removes
   a file.

[21J21A6617 @localhost supreme]$ rm dummy.tat
[21J21A6617 @localhost supreme]$ ls

OUTPUT

adi.tat   file1.tat   file11.tat   osl.c

a.out

Note : It is wise to use rm -i
which will ask you for confirmation
before actually deleting anything.

[21J21A6617 @localhost supreme]$ rm -i dummy.tat

OUTPUT

rm: remove regular file 'dummy.tat'? y

Type n & enter for no (i.e don't delete)
   or
Type y & enter for yes (i.e delete file)

[21J21A6617@localhost supreme] Y 13

OUTPUT

adi.txt file1.txt = file11.txt os1.c

a.out

$ diff :- Compares files and
shows where they differ

Symbol	Meaning
A	Add
C	change
D	delete
#	Line numbers
- - -	seperate files in output
<	file 1
>	file 2

[21J21A6617@localhost supreme] $ diff adi.txt
file 11.txt

OUTPUT

1 C 1

< "hello "

————

> hello

$ WC :- Tells you how many lines , words and characters are there in all file

[21J21A6617@localhost supreme] $ wc adi.txt

OUTPUT

1   1   8   adi.txt

ABOUT OTHER PEOPLE

$ W :- Tells you who's logged in and what they are doing

[21J21A6617@localhost supreme] $ W

OUTPUT

13:59:13   up 20min, 5 users , load avg : 0.00 ,0.02 ,0.06

User						WHAT
21J21A66	Pts/0	13:56	25.00s	0.055s	0.009	less-s
21J21A66	Pts/1	13:39	1.00s	0.07s	0.03s	W
21J21A66	Pts/2	13:51	9.00s	0.05s	0.05s	-bash
21J21A66	Pts/3	13:40	15.29s	0.03s	0.01s	-bash
21J21A66	Pts/4	13:41	1.00s	0.01s	0.03s	-bash
21J21A66	Pts/5	13:47	9.00s	0.02s	0.02s	-bash

$who :- This command tells you who's logged on and where they are coming from.

[21J21A6617@localhost supreme] $who

OUTPUT

21J21A1201	Pts/0	2023-06-26	12:07	(192.168.0.24)
21J21A1218	Pts/1	2023-06-26	13:20	(192.168.0.29)
21J21A6620	pts/2	2023-06-26	13:22	(192.168.0.247)
21J21A6617	pts/3	2023-06-26	14:05	(192.168.0.57)

$finger :- gives you lot of information about the user.

[21J21A6617@localhost supreme] $ finger 21J21A66

OUTPUT

Login : 21J21A6620   Name :

Directory : /home/21J21A6620

$ last :- This command tells you
    when the user last
logged on and off and
from where. Without any
options, last will give you
a list of everyone's login.

[21J21A6617@localhost supreme]$ last
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