- -> All the demonstrations created have a user configured with Sudo capabilities to Provide the user with administrative priviledges when required.
- -> Sudo allows user to run Programs using
 the Security Privileges of another user
 ' generally root (superuser).
- * Turning off the Graphical DesHtop
- -> Linux distributions can start and stop the graphical desittop in various ways.
- The exact method differs among distributions and between versions.
- -1 For the newer System-based distributions
 the display manager is run as a

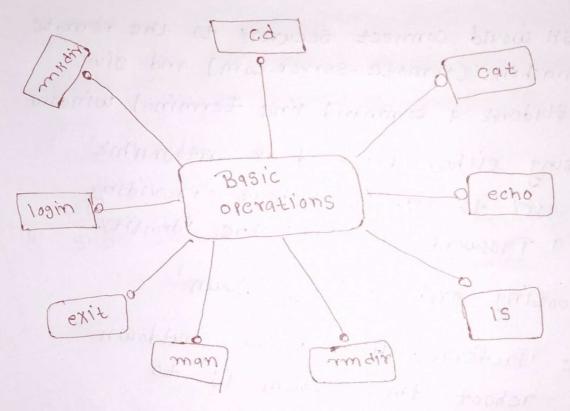
 Service and you can stop huz desistop

 With the Systemeth Utility.
- -> In addition most distribution will works with the telinit command as in

\$ 5400 Systemeth Stop adm (or sydo telinita)
and restart it (after 1095in into console)
\$ 3400 Systemeth Start adm (or sydo telinit 5)

* Basic operations

- -> The Section include how to login and log out
- -> Restart or shut down the system.
- -> Locate applications, access directories, identify absolute and relative paths and explore the file system.



* Logging in and out manne

- -> An available text terminal will Prompt for a username (with the string login) and Password.
 - on the terminal (not even & this).

- an Perform basic operation.
 - -> once your session is started, you can also connect and log into remote systems by using secure shell (sst)

 For example by tring ssh

 stydent @remote-server.com
 - -> SSH would connect securely to the remote machine (remote-server.com) and give student a command line terminal window
 - -) using either password or cretographic 11er to sign in without Providing 9 Password to varity the identity.
 - * Rebooting and Shutting Down
- -> The Preferred method to shutdown or reboot the Sistem is to use shutdown command.
- -> This sends warning massage and then
 Prevent further user from logging in.
- -) The init process will then control shutting down or rebooting the sistem.

- -) The halt and Poweroff commands issue shutdown -h to halt the system
 - -> reboot issue shutdown -r and cause the machine to reboot instead of Just shutting down.
 - -> Both rebooting and shutting down from the command line require super user (root) access.
 - -> when administering a multi user system,
 you have the option of notifying all
 user Prior to shytdown.

\$ sudo shutdown -h 10:00 "shytting down for scheduled maintenance."

* Locating Applications

- -> Depending on the specifics of Your particular distribution's Policy, Program and software packages can be installed in various directories.
- -) In general, executable Programs and Scripts should live in the Ibin, Ibin 14ser, Isbin, 14ser Isbin directories or Somewhere under 10pt.
 - -) They can also appear in Just/10cal shin and Just/10cal shin or in directory in user's account space.

 such as | home | student | bin.
 - -> on the way to locate Programs is to employ the which utility.

 For Example to find out exactly where diff Program resides on the file system.

\$ which diff

-> user | usr| bin | diff

NOTE: If which does not find the program
whereis is good alternative occause
it looks for packages in broader
range of directories.

& whereis diff

-1 gift: Inex/ pin/gift

| Usr | Share | man | man | diff. I. 32 | Usr | share | man | man | diff. IP. 32

-> where is command will locate man files
Packaged with the Program.

* Accessing Directories

- -> when you first log into a system or open a terminal
- -> The default directory should be your home directories.
 - -> you can see the exact location by typing echo \$ Home.
- -> However most linux distributions open new graphical terminals & Home | Desktop instead.

command	Result
bmg	Display Present worlding
cg ~ or	enunge to your home directory snortcul name is ~
co	change to Previous working directory