



linux

OS:

window diff frm linux bcoz its an open source

linx-GUI(geraphical user inetrface) and CLI(comment line interface)

- red hat-fedora
- Debian-ubuntu:std,kali:used by hackers

installation type:

>dual boot

>virtual machine

virtualizaion:

install virtual box to use mutiple gost os

bin-contains commands

boot-contains kernel(basicly heart to linux)

cdrom-it's not in use instead media is replaced

dev-hardware are saved in files

etc-scripts

home-

lib-32bits contains images for files

lib64-programs containing 64 bits are stored here

media-files from cd or pendrive are stored here

mnt-for backup and recovery

opt(optional)-3rd party software are stored here ,mainly used for backups

proc-running process's id are stored here

root-to access this we require password

run-to solve complex problem

sbin-contain pseudo command can't access by normal person

srv-service related files

sys-contains configurational files

tmp-to store temporary files

usr-bin is similar ,bin is not available during booting period

var-it changes

COMMANDS:

mkdir-to create a folder in file manager ,can create many files

To create sub folder = mkdir -p

To clear command- press(ctrl+l) or give clear

rmdir-to delete folders

it delete if a folder doesn't have any subfolders

pwd-gives present working directory

cd-change directrix(cd /tmp)

instead of "cd .. "is used to move previous location

cd - returns to home directrix

touch -to create files

ls-to listout files

rm-to remove files

command --help= gives many ways to reach command

rm -i (file name):

asks permission before deleting ,rm -f if yes type y ,for no n

rm -f (file name):

delete the file without permission

ls -l = gives data about the file

to create hiddenfiles = touch .(file name)

to view hiddenfiles = ls -a

to view hiddenfile details in alphabetic order= ls -la

to view hiddenfile details in rev order = ls -lr

ls -R = listout the files and also the files in that folders in current directrix

ls -lh = files sizes are not readable for size in giga or mega bites we use this command

cp coping file/to transfer file = coping a file to another file

dot ,* represents current directrix

to copy all from current file in directixto a file = cp ./* /file name

to copy all from directrix = cp -rl./* /tmp

cat filename = read what is saved in that file

"> " = used to redirect

cat > filename = to overwriting something inside the file

cat >> filename = to add info in new line

basic file permissionswc = word count

linux commands

vim

file ownership

compressing and decompressing