

ALL Courses

Nabil

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IOS, OS Lab, MICRO, MICRO Lab, Biology

Operating Systems Lab

Ctrl + Alt + F1 → opens Terminal

Ctrl + Alt + T → opens Terminal

Linux:

username@machinename ~

29/12/2023 Fri 12:57 PM

Commands:

date

echo \$PATH

which echo

which

/root/bin/more

/home/student

absolute path

pwd → point to working directory

ls → list (বজান directory থেকে বজান directory
জাতীয় শো রেজ)

word of root

to print something

value of a variable

echo command

কোম্পিউটের মালিক

কোম্পিউটের মালিক

relative path

Downloads/

root

12.9.2023

8:57 AM

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cd → change directory

cd .. → আগের directory (o back)

cd . → এই directory (o কান্তি অবস্থা)

থার্মাট

cd - → last কোন directory (o প্রিয় terminal অবস্থান redirect)

cd / → root এ নিয়ে যাও.

ls -l → more info about the listed files/directories

cd → takes to home

ls --help → command help (for ls)

man echo → help commands for echo

man ls/echo → shows manual for commands

clear → to clear window

touch mkdir → make directory

touch file_name → creates an empty file

mv current file/dir name new name of the file/dir → rename

mv directory name existing directory → move request

cp file name dir name ← → copy the file to directory

cat filename → shows what's in the file

> → write in file

>> → append the file

missing blob of <

cat < file1 > file2 → copy file1 content to file2

nano filename → text editor

cat out.txt | head -n → how many lines

cat file name | tail -n → how many line

history

rmmdir → dir name → To delete directory (empty)

rm → file name → to delete files

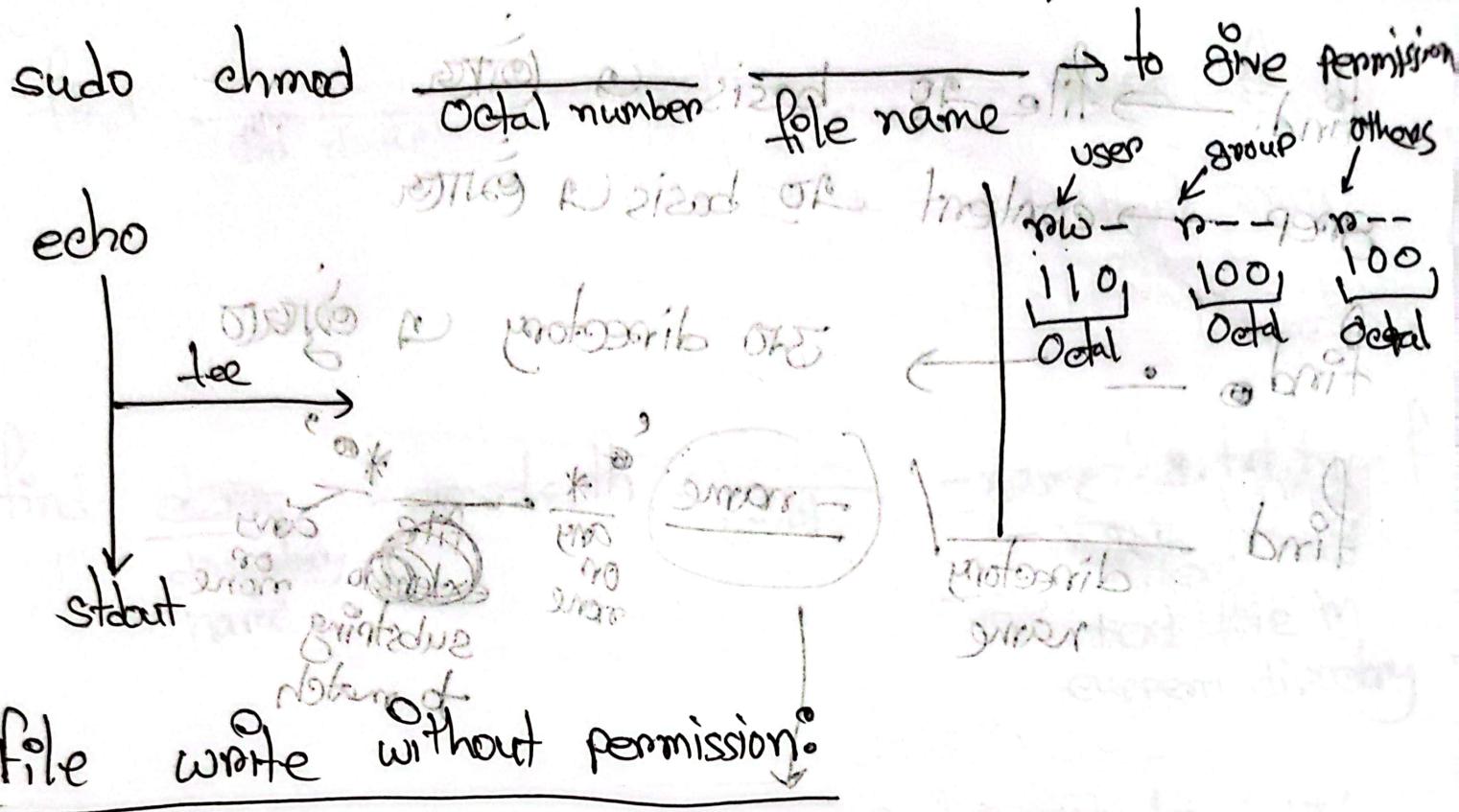
rm -r → probs of → recursively deletes all files in the directory and then the directory.

sudo from root → touch → create file → to do something as super user

~~chmod~~ sudo chmod u/g/o/u/g/o/u/o/a+ → to add permission

sudo chmod u/g/o/u/g/o/u/o/k-w/r/x → to remove permission

rwX → Owner (user) → group (g) → others (o) → then a → r → b/w → txt.txt → file



echo → text | sudo → tee
 piping → super user permission → copy output stream → filename
 b7t

curl → web address → retrieves the html code of the website
 b7t

./filename → executes a file
 b7t

sh → filename → shell runs it and it works fine
 bash script since shell is executable
 b7t

missing 9/18 of 4
find → file to basis & like
grep → content to basis & like

001 1001 011 1101
find → file to basis & like
grep → content to basis & like

find → file to basis & like
directory name

-name
* any or none
any or none
substring to match

-iname
case insensitive
wildcards

find → file to basis & like
directory name

-type
file or directory
f/d

find → file to basis & like
directory name

-path
based on sub dir
/. /.*.txt

find → file to basis & like
directory name

-users
patterns based on user type
username

find ~~dir name~~ -maxdepth level -type f

browsing
base of
(base starts)

base starts
at level 0
or level 1
directories

find ~~base~~ -maxdepth level -name '*.txt' -type f

filters out
text file in
current directory

find ~~directory name~~ -maxdepth level -name '*.txt*'

-type f -exec rm {} \; ~~rm -r~~ → to remove

grep keyword to search filename

'7.5-079'

grep -n To get line Keywords to search (substring) filename

'7.5-079'

grep -n ignore case with line no Keyword to search (substring) filename

'7.5-079'

modification
-mtime
less than 7,
-mtime - 7

size more than
2 KB
-size + 1K

we → to count word

grep -nw

whole word

(flag) flag with

(line) line no

Keyword

to search

(whole word)

filename

grep -nv

word not

in line with

line no

Keyword

filename

grep

-c

counts
no of
words.

Key to

search

grep

of key exclude

filename

Keywords
present

get line

print zero.

E count 2201

grep

-inv

case ignore

no of lines

whole word

'p [a-z]* r'

match any

word that starts

with p ends with r

at beginning

filename

extended

negex

flags

'p [a-z] {4} t?'

including

exactly 6 letters

word starting with

p ending with t?

filename

an

string

file

(grep) → extended negex

flag.

grep -inwf
flags

Dear to user

Stop start line filename
if any word is
matched then print

grep -n
no of
lines

any number

-C (1-9)

context

(match \rightarrow n lines,
 n lines, match
 \rightarrow line, match
 \rightarrow first n line)

-A (1-9)

After context

(match \rightarrow n lines,
 n lines, match
 \rightarrow last n lines)

grep -n
no of lines
flag

-B (1-9)

Before context

(match \rightarrow
 \rightarrow n lines)

grep -n

0\$ 0\$

-B (1-9)

match, \rightarrow
 \rightarrow n line

-A (1-9)

match,
 \rightarrow n line

grep -n
flag

J) \$

filename

\rightarrow silent flag.

→ या/ freafif त्रैः. 2wini

echo "Value: \$var1" → prints value of var1.

var1 = 10;

cannot have any space when variable declaration

sudo apt install sublime-text

\$# → no of arguments

\$1 → \$9 → positional arguments

\$0 → program name

file को लिखें,

#!/bin/bash

\$(())
arithmetic expression

gft tr/ie