

Linux Commands:-

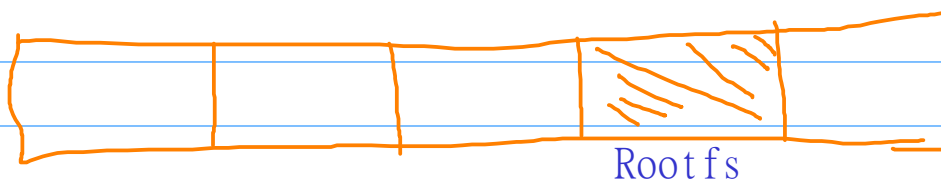
linuxjourney.com

Netacad courses

General Purpose

	date +%d	-----
- date	date +%m	man date
- cal	date +%y	man cal
- echo	date +%Y	man mkdir
- bc		
- who, whoami	date +%H	
- logname	date +%M	cal
- uname	date +%S	cal 10 2018
-----		cal 2024
	date +%D	cal -3
-	date +%T	-----
	-----	echo Hello World
	bc	echo "Hello World"
	10 + 2	X=100
	12 * 5	echo \$X
	18 - 3	echo -n "Hello World"
	37 / 5	echo -e "Hello \t World"
	scale=4	
	35/8	
	ctrl+D to end	

Linux File System Hierarchy



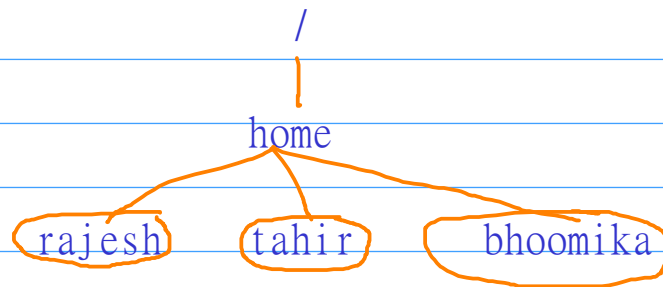
Top level directories under rootfs (/)

/bin	/boot	/dev	/etc	/home	/lib
/media	/mnt	/opt	/proc	/root	/sbin
/srv	/sys	/tmp	/usr	/var	

/home

/home/ravi
/home/rajesh

HOME Dir
cd



==> Home dir
==> cd without arguments

Dir handling:-

==> mkdir
==> rmdir
==> cd
==> pwd
==> ls

File Handling:-

==> touch
==> cat
==> cp
==> mv # move or rename
==> rm
==> wc

==> find

find . -name hello.c
find . -name '*.txt'
find /usr -name stdio.h
find ~ -name '*.c'

==> grep
grep printf hello.c
grep cout hello.cpp
grep printf *.c

cd
pwd
mkdir sample
cd sample
pwd
mkdir abc
cd abc
pwd
cd .. (or) cd ../..
pwd
cd ..
pwd

TODO:-

==> vim
==> tar, df, du, chmod
==> mounting
==> strace, env

Special Dirs

. current dir
.. parent dir

special symbols

~ home dir
/ root dir

Bash -- Default Shell (Bourne Again Shell)

process commands

==> ps

ps # current user, current terminal only

ps -el # all process (all users, all terminals)

ps aux

ps -e -o pid,ppid,stat,cmd

origin of process hierarchy : init/systemd (pid : 1)

gcc sum.c -g # compile with debugging support

./a.out

gdb ./a.out

(gdb) r

(gdb) b main # breakpoint

(gdb) r # run

(gdb) s # single step

(gdb) s

(gdb) c

s - step into

bt - backtrace

n - step over

list - source code

f - step out (finish)

print

c - continue

up, down

sudo apt install gdb