

Basic UNIX Commands

cal
cal 2 2017
date
date "+DATE: %d-%m-%y %n TIME: %H:%M:%S"
who
who am i
banner

touch f1
cat>f2
cat f2
cp f2 f1, mv f2 f1
rm f2
rm -i f1 (-i, -f, -r)
mkdir d1
pwd
cd d1
cd ..
rmdir d1

ls
ls -l, ls -a, ls -i, ls -r
clear
man ls

ls -l d rwx r-x r-- 1 user user 1496 Sep 9 04:39 'Hello.term'
chmod u/g/o +/-/= r/w/x
chown user1 f1
chgrp group1 f1
chmod ug+x f1
chmod 765 f1

wc f1
wc -l/w/c f1
cmp f1 f2
sort f1
sort -u/r f1, sort f1 -o f2, sort -m f1 f2
pg f1
more f1

tty

umask 123

ln f1 f2

grep muskan f1

grep -i/ -n/ -v/ ^m/ n\$ muskan f1

head f1, tail f1

head -5 f1, tail -5 f1

bc **press enter then** sqrt(4), ibase=2 -> 101

expr 20 + 30, expr 20 * 30, expr 20 - 5, expr 20 / 5

factor 76

ps

type pwd

nice -2 f1

nohup

sleep

tar and untar command

DETAILS

shows current month and year calendar
shows calendar of feb 2017
shows current date and time
shows date and time in the given format
displays all logged in users
shows your user details
prints high text resolution or redirect output to the printer

use to create empty files f1
create file f2 (ctrl+d for coming out of writing mode)
displays the content of f2
copy/ move content of f2 in f1 or overwrite f2 in f1
remove file f2
remove files iteratively(by asking), forcefully, recursively.
make directory d1
present working directory
change directory to d1
come out of current directory
remove directory d1 (if empty). To remove non-empty directory use `rm -r d1`

displays the list of all files
long list(show with details), show hidden files, shows with inode number (number assigned while creating)
clears the screen
provides online help for unix commands like for `ls`

shows long list details where d=directory then permissions to the u(user/owner of file), g(group/multiple users), o(others), a(all).
`chmod` changes file permission. Syntax is `chmod [references like user,group,others][operators like add,remove,change]`
changes file ownership. Here, now owner of f1 is user1
changes file group. Here, now group of the file f1 is group1.
giving execute permission to user and group then after this try `ls -l` to check whether permissions are changed or not.
you can also give permissions to the file in absolute mode(i.e. using binary numbers). Like here, permissions are 755

gives total number of lines, words and characters in the file f1.
gives only number of lines/ word/ character in it
compare data of f1 and f2
sort f1 in ascending order by default
sort f1 in asc./desc. Order, sort f1 and put into f2, merge f1 f2 after sorting
displays data page wise
displays 1st page then after that line wise data is shown not complete page.

terminal ID through which server connects to client
shows default permission of a file.
generates multiple links of a file like f1 can now also be opened by name f2.

search word (like muskan) in f1
displays the string with case insensitive/ line number/ lines except line containing that word/ starting with word n
displays starting/ ending 10 lines of f1 (by default)
displays starting/ ending 5 (or any) lines of f1
bc= basic calculations then press enter and run expressions like sqrt(), ibase (base conversion), etc. and t
expr function is also used to calculate expression.
gives the factor of 76

displays the status of current process (similar to ls command)
tells whether the pwd (or any other cmd) is external cmd or internal cmd. Example: pwd is internal cmd and chmo
used to change priority of f1 (like here I made priority=2).
used to terminate any cmd forcefully
saves the file and switch off your system
process is running in background in it.
used to compress and decompress files (like zip)

ig file which includes file location and type), show files in reverse sorted order

e users) and o(other users) i.e. rwx (read, write and execute) then index, user_name, group_name, size
remove,assign][file mode like read,write,execute]

not

on (765= 111 110 101) or (765= rwx rw- r-x) are given to u,g,o resp.

1/ ending with word n.

to come out of bc mode write quit.

nd is external cmd.

in bytes, date, time and name of the file.