

DATE... 9/9/2022

EXP. No. 1

OBJECTIVE :- Practice basic bash, IO redirection, pipe, file and directory operations, searching files, process management and vi/nano editor commands.

- 1 pwd - present working directory.
- 2 ls - Listing
- 3 ls -a - Listing all
- 4 man
- 5 mkdir - make directory.
- 6 cd - change directory
- 7 rmdir - remove directory
- 8 cp - copy.

1 pwd - present working directory command

NAME

pwd - print name of current/working directory.

SYNOPSIS

pwd [OPTION]...

DESCRIPTION

Print the full filename of the current working directory.

-L, --logical

use PWD from environment, even if it contains symlinks

-P, --physical

avoid all symlinks.

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--help display this help and exit

--version
output version information and exit.

2 ls - listing command

NAME

ls - list directory contents

SYNOPSIS

ls [OPTION]... [FILE]...

DESCRIPTION

List information about the FILES (the current directory by default).
Sort entries alphabetically if none of -cftuvSUX nor --sort
is specified.

Mandatory arguments to long options are mandatory for
short options too.

-a, --all

do not ignore entries starting with .

-A, --almost-all

do not list implied . and ..

3 ls -a - listing all command

Linux hidden files start with .(dot) symbol and hidden files are not visible in the regular directory. The (ls -a) command will show the whole list of the current directory including the hidden files.

4 man command

NAME

man - an interface to the system reference manuals

SYNOPSIS

man [man options] [[section] page...]...

man -k [apropos options] regexp...

man -K [man options] [section] term...

man -f [whatis options] page...

man -l [man options] file...

man -w|-W [man options] page...

DESCRIPTION

man is the system's manual pager. Each page argument given to man is normally the name of a program, utility or function. The manual page associated with each of these arguments is then found and displayed.

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5 `mkdir` - make directory command

NAME

`mkdir` - make directories

SYNOPSIS

`mkdir [OPTION]... DIRECTORY...`

DESCRIPTION

Create the DIRECTORY(ies), if they do not already exist.

Mandatory arguments to long options are mandatory for short options too.

- m, --mode=MODE
set file mode (as in `chmod`), not `a=rwx - umask`
- p, --parents
no error if existing, make parent directories as needed
- v, --verbose

6 `cd` - change directory command

NAME

`cd` - Change working directory

SYNOPSIS

`cd ?dirName?`

DESCRIPTION

Change the current working directory to `dirName`, or to the home directory (as specified in the HOME environment variable) if `dirName` is not given. Returns an empty string. Note that

The current working directory is a per-process resource; the `cd` command changes the working directory for all interpreters and (in a threaded environment) all threads.

EXAMPLES

Change to the home directory of the user fred:

7 `rmmdir - remove directory command.`

NAME

`rmmdir - remove empty directories`

SYNOPSIS

`rmmdir [OPTION]... DIRECTORY...`

DESCRIPTION

Remove the DIRECTORY(ies), if they are empty.

`--ignore-fail-on-non-empty`

ignore each failure that is solely because a directory is non-empty

`-p, --parents`

remove DIRECTORY and its ancestors; eg., `'rmmdir -p a/b/c'` is similar to `'rmmdir a/b/c a/b a'`

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8 cp - copy command

NAME

cp - copy files and directories

SYNOPSIS

cp [OPTION]... [-T] SOURCE DEST

cp [OPTION]... SOURCE... DIRECTORY

cp [OPTION]... -t DIRECTORY SOURCE...

DESCRIPTION

Copy SOURCE to DEST, or multiple SOURCE(s) to DIRECTORY.

Mandatory arguments to long options are mandatory for short options too.

-a, --archive

same as -dR --preserve=all

--attributes-only

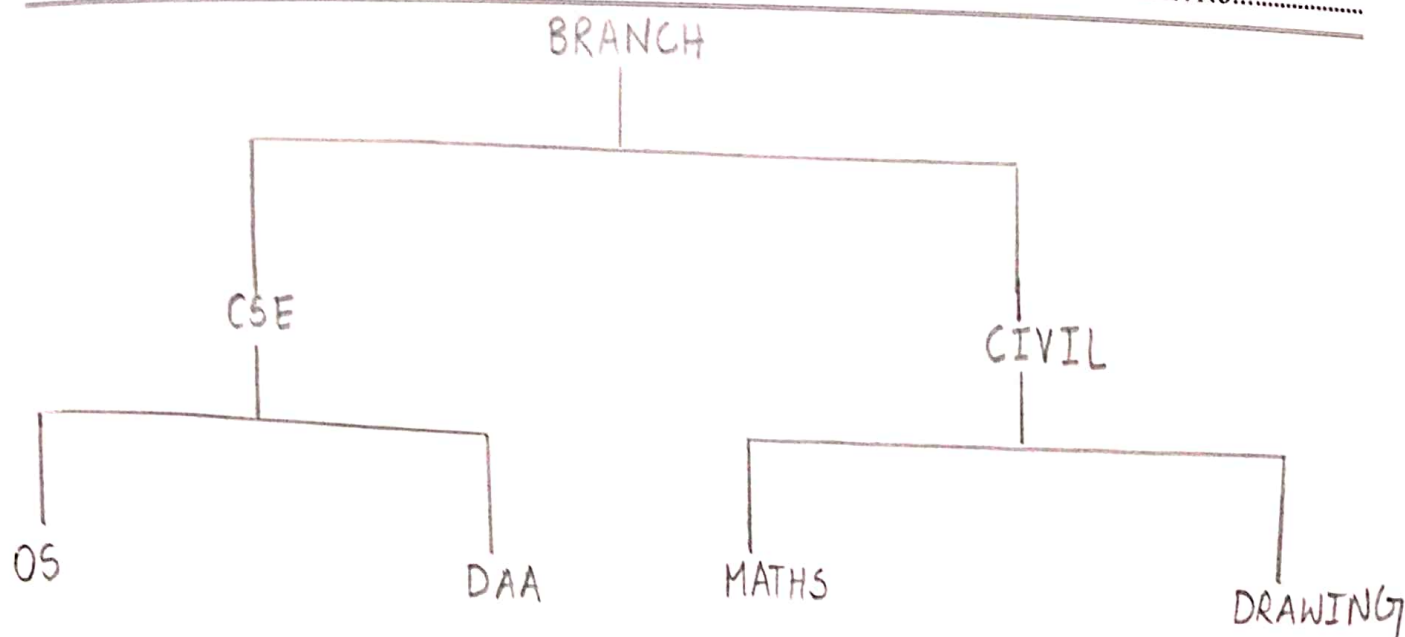
don't copy the file data, just the attributes

--backup [=CONTROL]

make a backup of each existing destination file

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Commands

- ~ mkdir branch
- ~ cd branch
- ~ mkdir CSE
- ~ mkdir CIVIL
- ~ cd CSE
- ~ mkdir OS
- ~ mkdir DAA
- ~ cd ..
- ~ cd CIVIL
- ~ mkdir MATHS
- ~ mkdir DRAWING

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