

Assignment No - 01

Aim: To study basic Unix commands.

- 1) `ls` - lists your files (directory contents)
`ls -l` -- lists your files in 'long format', which contains lots of useful information.
`ls -a` - lists all files, including the ones whose filenames begin in a dot.
`ls -r` -- sort in reverse (alphabetically)
`ls -l` -- lists names one per line.

We can see the permissions, exact size, owner, dates last opened/modified details when we use the `ls`.

- 2) `who`: tells you who is logged in, and where they're from.

It returns the username, ID, terminal, and time at which he/she was logged in.

- 3) `pwd`: print working directories.

It prints absolute path name of the working directory.

- 4) `date`: displays system date and time.

It includes the abbreviated day name, month name, day of month, time (separated by colons), time zone name, year.

- 5) `cal` : - shows current month calendar on the terminal with the current date highlighted
`cal -y` : Shows the calendar of the complete current year with the current date highlighted
`cal 2018` : Shows the whole calendar of the year.

6) `clear` : clears the terminal screen.

7) `echo` : to display a line of text

eg. `$ echo "Hello, World!"`

Output :

Hello, World!

To enable interpretation of '\ ' type

eg. `$ echo -e "Hello, World\n!"`

Output : -

Hello, World

!

Similarly,

- n do not output a trailing newline
- e enable interpretation of '\ ' type this.
- E Disable interpretation of '\ '
- help Display a help message and exit.
- version Outputs version information and exit.
- \\ A literal backslash "\ "
- \b Backspace
- \n newline
- \t horizontal tab
- \v vertical tab

8) `bc` :- activates basic calculator

`$bc` is displayed after which it goes into interactive mode and waits for input.

Syntax :-

`bc [-hlwsqv] [long-options] [file --]`

-h = help = print the usage and exit

-i = interactive = force interactive mode

-l = mathlib = Define the standard math library

-w = warn = give warnings for extensions to POSIX bc

-s = standard = Process exactly the POSIX bc language

-q = quiet = Do not print the normal GNU bc welcome

-v = version = print the version number and copyright & quit

`bc` command supports - arithmetic operators, assignment, increment/decrement, comparison, math functions, logical, iterative statements.

9) `login` - begin sessions on this.

In `root`, type `login`,

give the user ID and password.

10) `logout` -

- `logout`