

## Documentation (2021025)

### 1.command Echo:

Echo command is used for displaying lines of text or string which are passed as arguments on the command line.

#### Options taken:

- a) -e : is used for recognising '\n','\t' and printing lines of text in respective order  
Used for "\n" and "\t"

```
aryansharma@shell ~ % echo -e "hi \nhello"
hi
hello
aryansharma@shell ~ % echo -e "hi \thello"
hi      hello
aryansharma@shell ~ % █
```

- b) Echo --help

```

NAME top
echo - display a line of text
SYNOPSIS
    top echo [SHORT-OPTION]... [STRING]...
echo LONG-OPTION
DESCRIPTION
    to
Echo the STRING(s) to standard output.
-n      do not output the trailing ne\n-e      enable interpretation of backslash
escapes
-E      disable interpretation of backslash escapes (default)
--help  display this help and exit
--versio
output version information and e
If -e is in effect, the following sequences are recognized
backslas
alert (BEL
backspac
produce no further outpu
esca
form fee
new lin
carriage retur
horizontal ta
vertical tab
aryansharma@shell ~ %

```

**\*WELLCOME TO ARYAN SHELL\***

```

aryansharma@shell ~ % pwd
/Users/aryansharma/Desktop/assign
aryansharma@shell ~ % cd hi
aryansharma@shell ~ % pwd
/Users/aryansharma/Desktop/assign/hi
aryansharma@shell ~ % cd ..
aryansharma@shell ~ % pwd
/Users/aryansharma/Desktop/assign
aryansharma@shell ~ %

```

2 &3.command cd and pwd

Cd command used for entering in a new directory. Cd.. is used to go back to the last directory.

Pwd command is used to display the path of current directory.

### External commands using fork and exec

Date command:

Used to display current day,date & time .

Options:

a)-u

Used to display current Coordinated Universal Time (UTC) time

b)

Used to take input in seconds and print day,date and time from Jan 1 1970.

```
*WELCOME TO ARYAN SHELL*

aryansharma@shell ~ % date
Mon Oct 31 23:31:23 2022
aryansharma@shell ~ % date -u
Mon Oct 31 18:01:28 2022
aryansharma@shell ~ % date -r
1000
Thu Jan  1 05:46:40 1970
aryansharma@shell ~ % █
```