

Operating System LAB 01

1.

echo Shahjalal University of Science and Technology

echo prints everything after it.

On terminal:

Shahjalal University of Science and Technology

echo -n SUST

-n do not output the new line

On terminal:

SUSTeesha@eesha-HP-ProBook-6360b:~\$

echo "SUST"

prints

SUST

variable="SUST"

echo Varsity name is \$variable or echo "Varsity name is \$variable"

which prints

Varsity name is SUST

echo -e "Varsity \t SUST" or echo -e 'Varsity \t SUST'

-e enable interpretation of backslash escapes

prints

Varsity SUST

echo -e "Varsity \n SUST"

\n means newline

prints

Varsity

SUST

echo -e "Varsity \a SUST"

\a alerts (bell)

prints

Varsity SUST

```
# echo -e "Varsity\bSUST"
\b backspace
prints
VarsitSUST
```

```
# echo -e "Varsity \e SUST"
\e escape
prints
Varsity [] SUST
```

```
# echo -e "Varsity\c SUST"
\c not further output
prints
Varsityeesha@eesha-HP-ProBook-6360b:~$
```

```
# echo -e "Varsity\rSUST"
\r carriage return (3 characters behind) Space not added in output
prints
SUSTity
```

or

```
echo -e "Varsity \r SUST"
prints
  SUSTty
```

```
# echo -e "Varsity \f SUST"
\f form feed
Varsity
  SUST
```

```
# echo -e "Varsity \v SUST"
\v vertical tab
Varsity
  SUST
```

```
# echo -E "Varsity\n SUST"
-E disable everything
Varsity \n SUST
```

2.

echo \$SHELL
prints /bin/bash
current user

man man
man **keyword**

it displays:

Synopsis, Description, Examples, Overview, Defaults, Options, Exit status,
Environment, Files, History

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.

A manual page consists of several sections.

Conventional section names include NAME, SYNOPSIS, CONFIGURATION, DESCRIPTION, OPTIONS, EXIT STATUS, RETURN VALUE, ERRORS, ENVIRONMENT, FILES, VERSIONS, CONFORMING TO, NOTES, BUGS, EXAMPLE, AUTHORS, and SEE ALSO.

Types of manual pages be like:

- 1 Executable programs or shell commands
- 2 System calls (functions provided by the kernel)
- 3 Library calls (functions within program libraries)
- 4 Special files (usually found in /dev)
- 5 File formats and conventions eg /etc/passwd
- 6 Games
- 7 Miscellaneous (including macro packages and conventions)
- 8 System administration commands (usually only for root)
- 9 Kernel routines [Non standard]

man -a keyword
displays all available keyword manual pages contained within the manual.

man -k keyword
Search the short descriptions and manual page names for the keyword as regular expression.

man -help

It displays many options of helping out.

man -f keyword

Lookup the manual pages referenced by keyword and print out the short descriptions of any found. Equivalent to **whatis** keyword.

man -C file

Use this user configuration file rather than the default of ~/.manpath.

man -d

Print debugging information.

man -a, --all

All manual pages

man -u

or man - -update

updated the things

man -V, --version

Display the version information

man --usage

Usage message and exit