

SHELL SCRIPT

Introduction

What is Shell?

- Shell is a UNIX term for the interactive **user interface** with an operating system.
- A **shell** is a **user interface** for access to an operating system's services.
- The shell is a **command-line interface**.

Script Vs Program

Script

- 1.It is sequence of in-built commands to perform some task.
- 2.It is interpreted. No need to compile.
- 3.Convert code line by line.
- 4.Easy and simple

Program

- 1.It is sequence of instruction to perform some task.
- 2.It is compiled and executed.
- 3.Convert whole code once.
- 4.Complex

Shell Script

What is Shell Script?

- Shell Script is a **list of commands** which are listed in the order of execution.
- A shell script is a **computer program** designed to be run by the Unix shell, a command line interpreter.
- Note all the scripts would have the **.sh** extension.
- On most Linux systems a program called **bash** (which stands for Bourne Again Shell)

Shell Commands for writing shell script

1. echo

1. It is used to **display** a line of text/string on standard output or a file.

3. A string is any finite sequence of characters (i.e., letters, numerals, symbols and punctuation marks).

Syntax-- echo [option(s)] [string(s)]

Eg: echo "Enter two nos."

2. read

1. read -p "enter your choice" ch // Read and print (-p)

2. read ch // only read or take the input

3. To declare variable in shell script:

(in shell every variable is treated as integer)

Syntax : \$ var-name

Eg: \$dir1, \$a

4. Commenting

Use # at beginning of the line for single line comment.

Or use " " for multiple lines.

5. While-loop:

Syntax:

```
while test $choice -eq 1
do
    :
done    # end of while-do
```