

SUBJECT: OPERATING SYSTEM.

Aim: To study about the Shell Script.

THEORY:

1) What is Shell?

- A shell is special user program which provide an interface to user to use operating system services.
- Shell accept human readable commands from user and convert them into something which kernel can understand.
- Different shells available in linux systems are:
 - a). BASH (Bourne Again Shell)
 - b). CSH (C shell)
 - c). KSH (Korn shell).

2) What is Shell Script?

- Shells are interactive i.e., they accept command as input from users and execute them.
- However sometimes we want to execute a bunch of commands routinely, so we have to type in all commands each time in terminal.
- As shells can also take commands as input from file we can write these commands in a file and can execute them in shell to avoid this repetitive work. Such files are called Shell Scripts or Shell Programs.

- Each shell script is saved with .sh file extension.
 - When you want to execute the shell script, type `sh filename.sh`
- 3) How to add comments in shell script?
- Commenting is important in any program.
 - In shell programming, the syntax to add a comment is
`# comment.`
- 4) What are Shell Variables?
- Variables store data in the form of characters and numbers.
 - Similarly, Shell variables are used to store information and they can be used by the shell only.
 - Eg. `variable = "Hello"`
`echo $variable.`

CONCLUSION:

Created basic Shell Script in this practical. Also learnt how to add comments and variables in a Shell Script.