**OS -lab2**

**Introduction to shell scripting**

Create a file: ss1.sh

Write the commands,

ls

ps

who

pwd

to run the file:

if you try to execute the program by just writing the name, it will give the error of “command not found” that is because the shell by default search in bin directory.

we need to give complete path to the file we created, or we can reference the file by relative path using ./ss1.sh

**User Input and Output in a shell script:**

Variables:

When we create the variable we just write its name and assign value to it, but if we use the variable later we need to write the $ sign with variable name. e.g $variable\_name

We can get value by just read command i.e read variable\_name

Echo command is used to display the output.

e.g echo Hello $Variable name

if we write like echo Output of ls is: ls, it will just give output and will not execute the ls command,

for execution we need to backquote the ls command like echo Output of ls is: `ls`

Variable Types:

1. User
2. Environment variables
3. Pre-defined variables

To execute arithmetic operation, we cannot write like $variable1 + $variable2, it will just concatenate this just like a string, what we need to do is tp write like expr $variable1 + $variable2

(Note the space between operator (here +), it is necessary otherwise it will give it error.