

SSN COLLEGE OF ENGINEERING, KALAVAKKAM
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
TUTORIAL – 10 Shell scripts

1. Write a menu-driven shell script to implement simple calculator with simple operations (add, subtract, multiplication, division) using select and case statements. Use command line arguments to provide input to the calculator.

Ex: `./calc.sh 4 5`

2. Write a shell script to print the name of the script, number of arguments and the arguments that are passed.

Ex: `./sample.sh ssn 1 collge engineering 2 cse department`

3. Write shell script to read a text file name and count the number of lines using function. Pass the file name as an argument to the function. Return the count and print it

Ex: input: filename

output: 10

Hint:

Function call & return example

```
function greeting()
{
    str="Hello,$name"
    echo $str
}
echo "Enter your name"
readname
val=$(greeting)
echo "Return value of the function is $val"
```

File reading example

```
file='ex.txt'
while read line; do
    echo $line
done < $file
```

4. Write shell script to read files (check if it is a text file) from current directory and count the number of lines across the files using function.

Ex: files from current directory

c1 is count of file 1, c2 is count of file 2, c3 is count of file 3

If directory contains only 3 files, the output should be

c1+c2+c3