

Assignment 4

1. Write a program to find sum and product of two no.s using
 - a) expr
 - b) let
 - c) bc
2. Write a script to perform the following
 - a) To count no. of processes which are running or ready in the system (Hint:- ps -e -o pid,ppid,cmd,stat, grep)
 - b) List out foreground processes running in the system (ps suffix + in the state for the foreground processes)
 - c) List out all processes whose parent is init
3. Write a script to check each entry of a directory is a file or directory.
4. Write a script to find G.C.D of two no.s
5. Write a script to print individual characters of a string.
6. Write a menu based script for the following
 - a) Print the partition on which linux is installed (Hint:- df)
 - b) Display free space in root partition(/)
 - c) List out all users created in the systems (Hint:- /etc/passwd)
 - d) List out distinct shells assigned for users
7. Implement user defined command, and execute in shell environment.
8. Write a shell program to implement dictionary.
9. Rewrite calculator program using functions.