

Scripting and Computer Environment. (CSE 505)
LAB 3 ,30th August 2013
Shell Scripting

1. Take two numbers and print their sum.
2. Take number and check it is even or odd.
3. Take number and print number of significant digits in number. For example if user enters 00234 print 3.
4. Take number 'n' from user and print n th prime number. Note that 2 is first prime number.
5. Write function factorial which calculates factorial using recursion. Use the function in a script which takes number whose factorial needs to be calculated from user.
6. Write script that takes a number as command line argument and prints its table. (Use functions).
- 7 Perform a recursive directory listing on the user's home directory and save the information to a file. Compress the file, have the script prompt the user to insert a USB flash drive, then press ENTER. Finally, save the file to the flash drive after making certain the flash drive has properly mounted by parsing the output of df. Note that the flash drive must be unmounted before it is removed.
8. Write a script to "lowercase" a directory of files. If a lowercase file of the same name already exists in that directory, the program should warn the user and NOT overwrite the existing file.
9. Display following menu to user:
(A) Add
(B) Subtract
(C) Multiply
(D) Divide
(E) Modulus
(F) Exponentiation
Then ask user for choice (A-F). After taking users choice ask user for two numbers and perform chosen operation on those two numbers.