Assignment 3

1. Create the following directory structure

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        dbda16

day1   day2
file1.c   file2.xx
(some more files)   (some more files here)
a) copy files from different locations
b) move files, rename files
c) remove files

2. Implement a calculator shell program for basic operations using swith-case.

3.
a) Display count of files & sub directories in any location
b) set an alias for count of files and directories as below.
alias
        fileCount=' ls | wc '
c) list out all aliases set in current shell
d) remove the above alias fileCount using unalias

4. Write a program to print calendar of current month in next year,previous years.
For eg:- sep 2014,sep 2012 if current month is sep 2013

5.Explore the following commands with various options, refer man pages for further help
a) date
b) cal
c) bc
d) echo
e) who
f) whoami
g) logname
g) uname
h) seq
i) clear

6.a) Write a script to print given character is vowel or not
   b) Write a script to check type of character

7. Write a menu based script to perform following string operations
a) To find length of a string
c) Copying string
d) Concatenation of strings
e) Comparision of two strings
f) Reversing a string

8.a) Write a script to find sum and avg of command line arguments(Assuming all arguments are in integer form)
b) Minimum & maximum among command line arguments

9. Write a shell script to implement a timer, for given user input in the center of the screen.

10. Write a script to print list of prime no.s below a number n