Assignment 2

Part A

1. Read a file from command line. Check whether it exists. If it does not create it. Print the permissions associated with the file.
2. Perform arithmetic operations on floating point numbers.
3. Print greater between 2 numbers.
4. Check whether a number is odd or even.

Part B

1. Write a menu driven shell script for the following options:

(i) Merging the contents of two files into another.

(ii) Searching a pattern from a file.

If the user gives some invalid choice, it will prompt “Invalid option” message.

2. Write a shell script that will display some desired number of lines starting from a specified line of a given file. User must interactively supply the file name, starting line number and number of lines to be displayed.

3. Write a menu driven shell script for the following options:

(i) Number of presently active users

(ii) Displaying some desired number of lines from top of a file.

(iii) Updating the access time of a given file to current time.

If the user gives some invalid choice it will prompt “Invalid option” message.

1. Write a shell program to count number of words, characters, white spaces and special symbols in a given text

Part C

1. Write a shell script to find the maximum and minimum of some given numbers.
2. Write a shell script to check for an Armstrong number.
3. Write a shell script to print all possible combinations of 3 numbers.
4. Write shell script to generate fibonacci series upto ‘n’.
5. Write shell script to generate non fibonacci series upto ‘n’.
6. Write a shell program to find factorial of given number.