Experiment No 3

1. Write a shell script to fetch two command line arguments (Integers) and then add them and display the result.

2. Write a shell script to implement a menu driven calculator with basic functionalities of addition, subtraction, division and multiplication. Your script will read two number from users and an operation and display the result.

3. Write a shell script that prints all the ordinary files in the current working directory.

4. Write a shell script that takes a **command line argument** (the argument entered by the user is the absolute path of any file, directory etc.) and reports on whether it is a directory, a file, or something else.

5. Write a shell script to compute factorial of a number entered by the user.

6. Write a shell script to generate Fibonacci series for a positive integer N which is entered by the user.

7. Write a shell script to print the value of ${}^{n}C_{k}$ (read as **n choose k**), where n and k are entered by the user in the terminal. For example ${}^{5}C_{2}$ is 10 and ${}^{10}C_{3}$ is 120.

8. Write a shell script to find out the total instances of "the" in a given file.

9. Write a shell script that displays a list of all the files in the current directory to which the user has read, write and execute permissions.