Lab Assignment-3 & 4

Week-4 & 5

Objectives:

1. to learn the use of Scanner/BufferedReader class for keyboard input

2. to learn the use of Command Line Argument

3. to learn use of array in java

1. Write a Java Program to display whether a given number is odd or even.

2. Write a Java program to find maximum and minimum element in an array of size n. [read **size** and **all elements** of **array** from **keyboard**].

3. Write a java program to print all prime numbers between 1 to n. Use Scanner/BufferedReader class to read n. Also print total prime numbers in above range.

4. Write a Java program to find the sum of the digits of a given integer and also print the number in reverse order.

5. Write a java program to print the first 'n' terms of the Fibonacci series (0, 1, 1, 2, 3, 5, 8, 13, 21 and 34) using either recursive or non recursive functions

6. Write a program in Java to find factorial of a given number.

7. Write a Java program that prints all real solutions to the quadratic equation $ax^2+bx+c=0$. Use Scanner/BufferedReader class to read a, b, c value.

8. Write a Java program to read two matrices from keyboard and find the sum of the matrices.

9. Write Java program to find the sum of all odd numbers in a 2D array.