**Assignment -1**

**Java Programing language**

1. Write a Java program to find the factorial of a number.
2. Write a java program which initialize the earning of an employee. The program should calculate the income tax to be paid by the employee as per the criteria given below:

Slab rate IT rate

Upto Rs. 50,000 Nil

Upto Rs. 60,000 10% on additional amount

Upto Rs. 1,50,000 20% on additional amount

Above Rs. 1,50,000 30% on additional amount

1. Write a program to input n numbers on command line argument and calculate maximum of   
   them.
2. Write a program to print the sum and average of the even and odd numbers separately   
   given on command line argument.
3. Write a program to print the following pattern given n as argument: - [for input 3]

1

2 2

3 3 3

1. WAP to print all the prime numbers in an array of n elements by taking command line   
   arguments.
2. Write a program to print the following pattern given n as argument: - [for input 4]

1 2 3 4

2 4 6

3 6

4

1. Write a Java program to find the key word from the input sentence. The key word will be user input.
2. Write a Java program to split the words from the input sentence. Then print each words separately.
3. Write a Java program to show a menu driven calculator with addition, subtraction, multiplication and division operation.

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