**INTRODUCTION**

Develop a program that implements arithmetic with large integers, of arbitrary size. Implement the operations :

-> StrToNum, NumToStr, Add, Subtract, Multiply, Power, Division, Modulus, MaxPower in 15 secs. SquareRoot has not been implemented

**SUMMARY**

* Given problem is solved using the Linked list of integers, where the digits are in base B. Each node of the list stores exactly one integer.
* Base B = 10.
* The project adheres to the input & output specifications provided in the requirements.

**DEVELOPMENT PLATFORM**

* Operating System : Linux Ubuntu (64-bit).
* RAM & Processor : 4 GB, Intel Core I3.
* java version "1.7.0\_65"
* OpenJDK Runtime Environment (IcedTea 2.5.2) (7u65-2.5.2-3~14.04)
* OpenJDK 64-Bit Server VM (build 24.65-b04, mixed mode)

**TEST RESULTS**

Sample Input 1:

1 a=4

2 b=11

3 c=a-b

4 d=b/a

5 e=b%a

6 c

7 d

8 e

Sample Output1

-7

2

3