

## GEDB029: Basis and Practice in Programming (Spring 2012)

### Homework1 : Calculator

**Due-date** : 2012.10.17 11:59 PM

#### Description

Write a code for basic arithmetic calculator

You must implement addition, subtraction, multiplication, division then printing results of them  
There are illustration of each calculations. See below.

**Addition** : Calculating addition of two numbers

**Subtraction** : Calculating difference between two numbers. The result of this calculation is must be absolute number.

**Multiplication** : Calculating multiplication of two numbers

**Division** : Calculating quotient and remainder(if exist). If  $b > a$ , nothing is printed

**Input** : Two numbers

#### Output :

Result of addition

Result of subtraction (if  $a > b$  print  $a - b$ , otherwise print  $b - a$ )

Result of multiplication

Result of division (if remainder is exist, print that)

#### Example

Input		
3 2	4 2	2 4
Output		
add : 5 sub : 1 mul : 6 div : 1 rem : 1	add : 6 sub : 2 mul : 8 div : 2	add : 6 sub : 2 mul : 8

#### Caution :

- 1) You never use other libraries except `<stdio.h>`
- 2) Must check your output with sample output file before submit the code