

## **Assignment 1**

**Lab1 Project**

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**CSC615**

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## Assignment 2

### Overview:

IDE:	vim, eclipse
Date:	May 5 <sup>h</sup> 2009
Compiler:	SUN JDK 6.0 Linux 64bit (1.6)
Ant Makefile:	build.xml
Project URL:	<a href="http://github.com/tanxin/xin_csc615">http://github.com/tanxin/xin_csc615</a>

### Get SourceCode:

From Git (newest version):

```
tanxin@laptop ~/.workspace-java/csc615 $ git clone git://github.com/tanxin/xin_overlay.git
```

### Compile:

```
tanxin@laptop ~/.workspace-java/csc615 $ ant
Buildfile: build.xml

init:
    [mkdir] Created dir: /home/tanxin/documents/school/nu/CSC615/project/build

compile:
    [javac] Compiling 7 source files to /home/tanxin/documents/school/nu/CSC615/project/build

BUILD SUCCESSFUL
Total time: 1 second
```

### Run:

```
tanxin@laptop ~/.workspace-java/csc615 $ ant run11
Buildfile: build.xml

init:

compile:

run11:
    [java] Input number 1:
3
    [java] Input number 2:
6
    [java] Input number 3:
9
    [java] Display:
    [java] intArray[0] = 3
    [java] intArray[1] = 6
    [java] intArray[2] = 9
    [java] Sum:          18
    [java] Average:      6
```

## Assignment 3

```
[java] Product:      162
[java] Smallest:     3
[java] Largest:      9
```

```
BUILD SUCCESSFUL
Total time: 12 seconds
```

### Code List:

edu.nu.csc615.lab1.SimpleCalc.java

```
package edu.nu.csc615.lab1;

import java.util.Scanner;

/**
 * @author Shin Tan
 */
public class SimpleCalc {

    final public static int NUM = 3;

    public static void main(String[] args) {
        Integer[] intArray = new Integer[NUM];
        Integer smallest=Integer.MAX_VALUE, largest=Integer.MIN_VALUE, sum=0, average=0, product=1;

        Scanner scanner = new Scanner(System.in);

        /* input NUM numbers */
        for(int j=0;j<NUM;j++){
            System.out.println("Input number " + (j+1) + ": ");
            intArray[j] = scanner.nextInt();
        }

        /* output All the numbers */
        System.out.println("Display:\t");
        for(int j=0;j<NUM;j++){
            System.out.printf("intArray[%d] = %d\n", j, intArray[j]);
        }

        /* start calculate */
        for(int j=0;j<NUM;j++){
            sum +=intArray[j];
            product *= intArray[j];
            if(intArray[j] < smallest)
                smallest = intArray[j];
            if(intArray[j] > largest)
                largest = intArray[j];
        }
        average = sum / NUM;

        /* print the result */
        System.out.println("Sum:\t" + sum);
        System.out.println("Average:\t" + average);
        System.out.println("Product:\t" + product);
        System.out.println("Smallest:\t" + smallest);
        System.out.println("Largest:\t" + largest);
    }
}
```