

CSC 210 - In-class Exercise (Chapter 2) -- Use C++ language / syntax to complete the following questions

1. **Convert this Java program into C++** // mark what change and to what, and also mark if any statement are unnecessary

```
1 import java.util.Scanner;
2
3 public class numberCompare
4 {
5
6     public static void main (String [] args)
7     {
8         // define variables
9         int number1, number2, number3, smallest, largest;
10
11         // create Scanner object
12         Scanner keyboard = new Scanner (System.in);
13
14         // prompt user to input 3 integers
15         System.out.print ("Input three different integers: ");
16         number1 = keyboard.nextInt();
17         number2 = keyboard.nextInt();
18         number3 = keyboard.nextInt();
19
20         // find the largest number
21         largest = number1;
22
23         if (number2 > largest)
24             largest = number2;
25
26         if (number3 > largest)
27             largest = number3;
28
29         // find the smallest number
30         smallest = number1;
31
32         if (number2 < smallest)
33             smallest = number2;
34
35         if (number3 < smallest)
36             smallest = number3;
37
38         System.out.println ("Sum is " + (number1 + number2 + number3) +
39             "\nAverage is " + (number1 + number2 + number3) / 3 +
40             "\nProduct is " + number1 * number2 * number3 +
41             "\nSmallest is " + smallest +
42             "\nLargest is " + largest);
43
44     } // end main method
45 } // program
```

This program should be saved as (filename) _____

2. Write a C++ program that calculate a sum of and product of five integers reading from a keyboard

// a. allow program to perform input and output

// b. all program to use names from the **std** namespace

// c. main method

// d. declare 5 integer input variables and 2 output/result variables

// e. prompt user for data

// f. read five integers from user

// g. calculate the sum of and product of five integers

// h. print result, including end line

Type your code in jGrasp and save this file as **LASTNAME_FindSum.cpp**