

COP 2250 Java Programming - Summer C 2011 - Ref 52267 Section U01C

Professor: Michael Robinson
 e-mail: mrobi002@cs.fiu.edu
 Web Page: www.cs.fiu.edu/~mrobi002/teaching

Program 1 Due on May, Wed 25, 2011 at the beginning of class.

Turn in the signed source code on paper, and email me the source code.

Make sure the program is properly documented and aligned uniformly, looking professionally, I will take points off if it not.

Include the following header in every program

```
Author      : Your Name
Course     : COP 2250 M-W 11:00 AM
Professor  : Michael Robinson
Program #  : Program Purpose/Description
            {A brief description of the program }
Due Date   : MM/DD/YYYY
```

Certification:

I hereby certify that this work is my own and none of it is the work of any other person.

.....{ your signature }.....

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Purpose:

- Create first project, first class, and first java program
- Use multiple variables of Primitive Data Types and the String Class by declaring them, assign values to them, use them, do calculations and print results.
- Use print, println, and printf.
- Use \n and \t
- Use remarks to document your program.

How:

Create variables for:

- your name
- your mayor
- credits taken
- credits this semester
- this class's name
- Print: Hi my name is, I and taking....., my major is and I have completed credits

- Print: the sum of numbers, the formula is: $(1 + N) * (N/2)$

In general to find the sum of all the numbers from 1 to N:

$$1 + 2 + 3 + 4 + \dots + N = (1 + N) * (N/2)$$

That is: (1 plus N quantity) times (N divided by 2).

- Print the results of the following computations using:

```
printf and \n      100 % 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
println           100 - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
print and \n      100 + 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
printf and \n      100 * 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
print and \t      100 / 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
```