

## Unit 1 Lab 3 - System.out

class hour \_\_\_\_\_

Pts: 10

Name \_\_\_\_\_

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### I. System.out

- 1) a) If not logged on to computer go through the first 4 steps in I. from Lab 1  
b) Under File from the *Ready to Program* window select Open...
  - 2) Get to your H drive and select PrintName.java (get help if confused)
  - 3) Run the program (there should be no errors) and write the output
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- 5) a) In the Programming window now delete the **import** hsa.Console; statement  
b) Run the program again and write what happened
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- 6) a) Select OK  
b) Delete the two lines marked in grey that have the word Console in them  
c) Run the program again and write what happened
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- 7) Select OK
  - 8) b) change the line `c.println("My name is Sue");` to  
`System.out.println("My name is Sue");`  
c) Run the program again and write what happened
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- 9) Notice the title of the output window.  
Is it the same as the title when using `c.println`? (yes/no) \_\_\_\_\_

### Important Summary:

`println()` is a *method* (like a function) that performs some action which is to show something on an output screen. It must be associated (connected) to what Java calls an *object* by a period actually called a *dot operator*. The object is either `c` if using our lab book and must have the import statement of **import** hsa.Console; or the object is `out` when not using an import statement (actually there is an import statement that is not written in the program because it is automatically imported into all Java programs without having to write it called `java.lang`). An object can only be used only if we know what *Class* it is from. The class for `c` is the Console class and for `out` the class is the System class. The Console class is written by the author of our lab book and creates one type of output window screen while the System class creates the standard output window screen. They each have their advantages and disadvantages for which one to use. For programs that do not have any input it does not matter which one to use.

### **Answer the following**

- 1) The variable `out` is called a(n) what? 1) \_\_\_\_\_
- 2) The word `println()` is called a(n) what? 2) \_\_\_\_\_
- 3) System is called a(n) what? 3) \_\_\_\_\_
- 4) The class that allows us to use `out.println()` is what? 4) \_\_\_\_\_

**Turn in this sheet to be graded!**