

Program 4a  
COP-3804 - Java Intermediate Programming  
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- Include the following header in every program:

```
/******  
Author : Your Name  
Course : COP 3804 Days and Time  
Professor : Michael Robinson  
Program # : Program Purpose/Description { be brief }  
Due Date : MM/DD/YYYY
```

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

```
.....{ your signature }.....  
*****/
```

- 1 - Worth 3 points (Implement Constructor - no main method)
- Create a class with constructors and name it ex : RobinsonMconst  
lastName + first letter of your first name + the word Const

This class must have:

- Private variables
- Three constructors that will accept:
  - constructor one = nothing, but it will display "Happy Holidays, see next year"
  - constructor two = a single dimension array of Objects with:  
yourName, major, gpa, totalCreditsTaken  
have the constructor display this data by calling a method  
inside the constructor
  - constructor three = the following four numbers 66 40 2 76.9  
have the constructor display the maximum number by calling a method  
inside the constructor
- EACH variable MUST have its own mutator/setter method that will be used to  
receive other values from the calling program and set your private variables.
- EACH variable MUST have its own accessor/gettter method that will be used to  
return the values requested by the calling program.

- 2 - Worth 3 points
- Inside your main program
- Create an internal class called internalClass that inherits your constructor, overriding  
the get methods.
  - Using the internalClass just created, call the three constructors AGAIN, described in  
question 1 above, using your own data
  - Call all the set methods using your own data
  - Print the variables values in the internalClass by calling its get methods

- 3 - Worth 4 points
- Download the file called theInterface
  - Inside your main program create another internal called superGuy class  
that will implement theInterface
  - Display all data available in the superGuy class
  - Use the following main method in your Main program

```
public static void main(String arg[]) throws InterruptedException  
{  
    // from here call all needed methods  
  
} //end public static void main(String arg[]) throws InterruptedException
```

NOTE: you need to turn in 1 program ONLY.