

COSC 201 – Lab #3

Generic Header Goes Here

Purpose: to practice using Java generics

Tasks:

- 1.) Open Eclipse and start a new Java Project called Generic Project
- 2.) Add a new class called MyGenerics.
- 3.) For this lab, you will add three generic methods to MyGenerics:
 - a. mymin, where an array (of indeterminate type) is passed in as a parameter and the minimum element is returned.
 - b. max2, which accepts an array (of indeterminate type) is passed in as a parameter and the largest two elements are returned.
 - c. median, which accepts an array (of indeterminate type) is passed in as a parameter and the median is returned.

Keep in mind that your class and method signatures should match the names noted in the instructions, and that each method should only pass one variable.

- 4.) Create a main (can be part of MyGenerics) that will test your generic methods. You should test these with Integer arrays (note, not int) and String arrays.
- 5.) HINT: You will not be able to create a generic array to return from max2 - it will give you a compile error. Think about what you could return, including other possible data structures beyond a simple array.
- 6.) Turn in your code via Blackboard by 11:59pm Tuesday.