

CSCD 210

Lab 12

SPECIFICATION

You will write a program which will maintain an array of int values and then perform various operations on the array:

- 1) Add a value to the array
- 2) Delete a value from the array (by value)
- 3) Delete a value from the array (by location)
- 4) Display the array
- 5) Sort the array with selectionSort
- 6) Quit

You will fill the initial array by reading from a file passed as a command line argument. The first line in the file is the total number of ints that will be in the array. The remaining lines will contain individual ints for the array.

The user can then select any of the above choices. I have provided a main for you which you can't change, or add to.

You will need SortUtils, and ArrayUtils from Lab 11. You will need to add a method to ArrayUtils that prints to the screen an int array.

You must use my jar file for the opening of the file. Please see the API for all the methods you will write.

After you compile and execute your program capture the output (for 3 separate runs), and save the output into a text file named **cscd210lab12out.txt** ensuring you test each option.

NOTE: You CANNOT use try/catch for this lab, you don't need them.

NOTE: You CANNOT use the Arrays class in any fashion

TO TURN IN:

A zip file that contains Lab12 folder with

- All packages and java code so your code compiles
- cscd210lab12out.txt

Name the zip file your last name first letter of your first name lab12.zip (Example: steinerslab12.zip)