

## Lab Assignment 7A

### Using Array for Assignment 1B

For the lab this week, you will sort an array - using any of the sort methods discussed in Chapter 23 or the Selection sort. It's your choice. Use the following criteria for your assignment:

Write a program that uses a two-dimensional array to store the highest and lowest temperatures for each month of the year. Prompt the user for 12 months of highest and lowest. Write a sort ( your choice which sort ) to report out the sorted low values -lowest to highest. Write another to report out the sorted high values - highest to lowest. These methods **MUST** be your original code. Your program should output all the values in the array and then output the 2 sorted outputs.

Your code **MUST** be your own work and should not be copied from another student, website or any other source. You will be required to complete a sort of an array (or two) in your final lab - making this lab very important to get correct. Make sure you write all the methods listed above for full credit.

#### **Add a comment heading on all .java files:**

- Name
- Date
- Assignment
- Sources used to complete the assignment: (this may be text and page numbers, tutor names and dates, a specific link, etc)

#### **Program grading:**

1. Submitted pseudocode showing logic steps to perform required task(s) ( 1 pt)
2. Submitted java File (1 pt) – include indentations and spacing, use of good naming conventions for variable and class names.
3. Submitted .class File (1 pt)
4. . Submitted Screenshot of properly coded and presented output (and input if required) (1 pt)
5. Properly working code applying techniques learned in weekly lesson (1pt)

Remember to submit all your pseudocode algorithm, .java files, .class files and screenshots of your code and output.

#### **Note:**

***Please be aware that copying and pasting code from any other source other than code you have explicitly written on your own is considered plagiarism. If you receive help, that is fine however you need to write your own code, name your own variables and comment your own code. Students turning in the exact same work as another student will all be given zeros. Plagiarism is not tolerated and students found to be plagiarizing will be given a zero and reported to the university; with the possibility of termination of the class and degree program.***