CS1428 Lab 8

# Name: Section:

1. (25pts)Answer the following questions.
2. Write C++ code to declare the array **cats**. This array will hold 100 doubles.
3. What is the subscript of the first element in the array **cats** you declared?
4. What is the subscript of the last element in the array **cats** you declared?
5. Write C++ code to read 100 values into the array **cats**. The input values are in an input file that has already been opened with the file variable **fin.**
6. Write a for loop that prints each element of the array **cats** to the screen.
7. (25pts)Assume that the Arrays **firstArray** and **secondArray** have been declared and that both arrays have 50 elements each. Write C++ code segment that copies the values in **firstArray** to **secondArray**.
8. (50pts) Write a program (**lab8\_01.cpp**) that lets the user enter the total rainfall for each of 12 months into an array of doubles. Use **input validation**; do not accept negative numbers for the rainfall amounts. Your program should give the user an opportunity to re-enter the value. The program should calculate and display the total rainfall for the year, and the average monthly rainfall. Display **only** the months with the highest and lowest amounts of rainfall.

When you are satisfied your program works correctly, run it with the following values:

Month Rainfall

1. 10
2. 14
3. 21
4. 0
5. 6
6. 7
7. 1
8. 0
9. 11
10. 5
11. 13
12. 17

Staple a copy of your source file **lab8\_01.cpp** to this worksheet and **upload** your source file.