

# CSC 2310: PRINCIPLES OF COMPUTER PROGRAMMING

## Lab 9

### How to Submit

Please submit your answers to the lab instructor once you have completed.

Failure to submit will result in a **ZERO FOR THIS LAB. NO EXCEPTIONS.**

1. Write a program that
  - a. Calls a method called insertionSort that accepts an integer array as a parameter and sorts the elements in the array using the insertion sort algorithm. Print the array before it is sorted and after it is sorted.
  - b. Calls another method called binarySearch that takes two parameters, an integer and an integer array. The call should perform binary search and should return the index of the integer in the array if found and should return -(insertionPoint+ 1) if the number is not found. Print out the index in the main method.

You should have a correct main method(). (40 points)

Put all your codes in one file. Your file must be runnable. (10 points)

Your file name and class name should contain your first name. (10points)

Just submit .java file.

Put your lab time on the comment board of dropbox.