CSCI 2215 61 Test 3 Coding Exercises

Due by 5:30 P.M. 23 November, 2016

1. Create a program that reads the contents of the attached two files into two separate arrays. The user should be able to enter a boy’s name, a girl’s name, or both, and the application should display messages indicating whether the names were among the most popular.
   1. Example of menu:  
      Welcome, Press  
      1 – To search for boy’s name  
      2 – To search for girl’s name  
      3 – To search for both  
      4 – To quit
   2. The menu should continue to pop up until the user quits
   3. We will be utilizing the Binary Search Algorithm (needing the data read from the file to be sorted)
2. Write a program that uses two identical arrays of just eight integers. It should display the contents of the first array, then call a function to sort the array using an ascending order bubble sort modified to print out the array contents after each pass of the sort. Next, the program should display the contents of the second array, then call a function to sort the array using an ascending order selection sort modified to print out the array contents after each pass of the sort.
3. Write a function that accepts an int array and the array’s size as arguments. The function should create a new array that is one element larger than the argument array. The first element of the new array should be set to 0. Element 0 of the argument array should be copied to element 1 of the new array, element 1 of the argument array should be copied to element 2 of the new array, and so forth. The function should return a pointer to the new array.

