Proj 7 - Arrays Part 2

Grades for this assignment come from the quiz: false  
[**Click here to go to the quiz**](https://slcc.instructure.com/courses/202748/quizzes/%7B%7B%20quiz_id%20%7D%7D)

This assignment is linked to the discussion, false. Grading will be based on posts in the topic.  
[**Click here to go to the discussion**](https://slcc.instructure.com/courses/202748/discussion_topics/%7B%7B%20discussion_topic_id%20%7D%7D)

Problem

Write a program that sorts and searches an array of random numbers.

Specification

* 1. Run the program from a simple menu.
  2. The program should do the following:
     + Create an array of 100 random numbers between 1 and 100.
     + Display the smallest and largest values in the array.
     + Sort the array in ascending order.
     + Generate a random number between 1 and 100 and determine if it is found in the array using a binary search routine.

(to do binary search, sort first then take size/2, then compare to middle of list and decide if it is greater than or less than. Cut numbers to search through by half)

Admin

* 1. Grading
     + 0 points if your program does not compile.
     + +5 for comments, indentation and placement of {} per [Style Guide](http://www.cs.slcc.edu/style-guide.shtml).
     + +5 for each specification met.
  2. Submission: Attach your .cpp file(s) and submit.