Instructions – Please follow the submission guideline similar to previous labs.

Deadline – Wednesday, 27 April 2016, 11:55 PM

Topic: Searching and Sorting

Lab Q:

1. Create an array which contain (3, 0, 71, 45, -100, 235, 90, 1, 11, -40, 35, 45). Say the target is 45.
   1. Using linear search, iterate through the array to search for the target. When a match is found, output “Element found at index ”
   2. Using BubbleSort, sort the array to ascending order. Show in your output, the unsorted and sorted array; “Original array: ” and “Sorted array: ”
2. Create a sorted array which contain (3, 7, 10, 15, 91, 110, 150). Say the target is 91. Using binary search, search the middle elements in each iteration to find the target. When a match is found, output “Element found at index ”