

California State University,
Monterey Bay

Week 6 – Programming Assignment
Sorting Algorithms 2

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CST370

Design and Analysis of Algorithms

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Exercise Screen Shots

Test Run 1

```
C:\WINDOWS\system32\cmd.exe
-- Start Assignment 6 ---

-- Test 1 ---
Array prior to sorting
2 5 6 4 10 9 8 1 10 5

sequence number prior to sorting
5 3 1

Sorting Array

Array after sorting
1 2 4 5 5 6 8 9 10 10

-- Test 2 ---
Array prior to sorting
2 5 9 4 10 7 8 1 11 5

sequence number prior to sorting
5 2 1

Sorting Array

Array after sorting
1 2 4 5 5 7 8 9 10 11

--- End of Program ---
Press any key to continue . . .
```

Explanation:

A run was made using the input values provided in the specifications and resulted in the following:

Test 1

The first input array was sorted using the CoolSort (insertion sort) and first sequence number array, and the sorted array was displayed

Test 2

The second input array was sorted using the CoolSort (insertion sort) and the second sequence number array, and the sorted array was displayed