Quiz-4

- Due No due date
- Points 10
- Questions 7

Insertion Sort

Counting Sort

Correct!

Question 3

• Time Limit 10 Minutes

Attempt History

Attempt History			
	Attempt	Time	Score
LATEST	Attempt 1	2 minutes	4 out of 10
Score for this qu	uiz: 4 out of 10		
Submitted Nov	13 at 10:07am		
This attempt too	ok 2 minutes.		
••			
Question 1			
0 / 2 pts			
For numbers in	the range 0 to n^2 + 2n ,	what is the number of digi	ts required to represent the
numbers in bas		J	·
0 1			
Correct Answer			
0 2			
You Answered			
n			
O 3			
::			
Question 2			
1 / 1 pts			
Which of the fol	lowing sorting algorithms	is NOT comparison-based	1?
O Merge Sort			
O Quick Sort			

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0 / 1 pts
What is the worst-case time complexity of Quick Sort?
O(1) Correct Answer O(n^2) O(n) You Answered O(nlogn) Cuestion 4 1 / 1 pts
Bucket Sort is most effective when:
Correct! The input elements are uniformly distributed over a known range. The input size is very large. The input is already sorted. The input elements are strings. Cuestion 5 1 pts
Radix Sort is most commonly used for:
You Answered Sorting integers with a small range of values. Correct Answer Sorting integers with a wide range of values. Sorting large strings. Sorting floating-point numbers. Cuestion 6 2 / 2 pts
What is the lower bound for the time complexity of comparison-based sorting algorithms?
O(logn)O(n ^2)

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O(n)
Correct!
O(nlogn)
Question 7
0 / 2 pts
Which sorting algorithm typically requires additional space for auxiliary arrays?
O Quick Sort
Correct Answer
O Merge Sort
You Answered
Selection Sort
O Heap Sort
Quiz Score: 4 out of 10

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