← Back

Merge Sort, Quick Sort - Revision

Number of questions:
6 Questions

Test Date:
Dec 28, 2022

Your Score:
13/13

Question 1/6
Find the pivot element from the given input using median-of-three partitioning method.
8, 1, 4, 9, 6, 3, 5, 2, 7, 0.

8	7
9	6 ✓

Question 2/6
Which is the worst method of choosing a pivot element?

first element as pivot ✓	last element as pivot
median-of-three partitioning	random element as pivot

Question 3/6
How many sub arrays does the quick sort algorithm divide the entire array into?

1	2 ✓
3	4

Question 4/6
Which of the following consumes most memory?

Bubble Sort	Insertion Sort
Merge Sort ✓	Quick Sort

Question 5/6
Which of the following sorting algorithm does not use recursion?

quick sort	merge sort
heap sort	bottom up merge sort ✓

Question 6/6
Choose the incorrect statement about merge sort from the following?

it is a comparison based sort	it is an adaptive algorithm ✓
it is not an in place algorithm	it is stable algorithm