Review Test - Algorithm and Data Structures

Max:Marks-10
Time: 10 min

* Required

Email *

pranitt1398@gmail.com

Name *

Pranit Tondvalkar

PRN *

220960920085

Which of the following algorithm design technique is used in designing quick sort algorithm * 1 point

- ○ Dynamic programming method
- ○ Back tracking strategy
- ◉ Divide and conquer strategy
- ○ Greedy strategy
- ○ None of these

Which is faster quick sort or merge sort? 1 point

- ○ Quick Sort
- ◉ Merge Sort
- ○ Both are same

Clear selection

What is the best case complexity of Quicksort? * 1 point

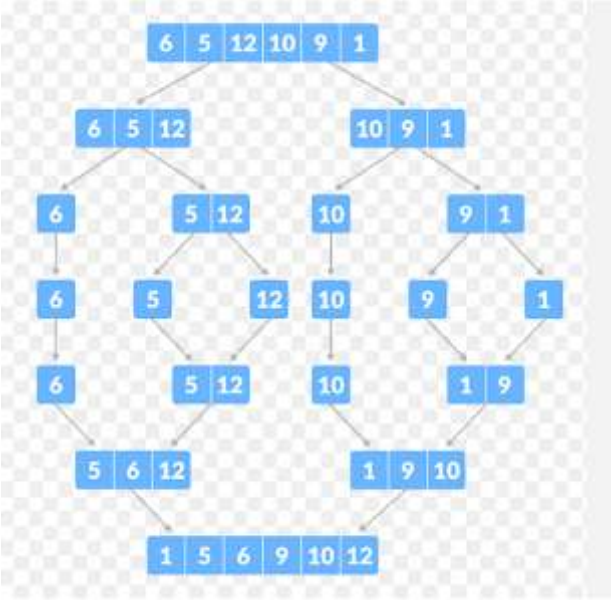
- ◉ O(nlogn)
- ○ O(logn)
- ○ O(n)
- ○ O(n2)

Which sorting Algorithm we select an element as pivot. 1 point

- ○ Heap Sort
- ◉ Quick Sort
- ○ Merge Sort
- ○ Insertion sort

Clear selection

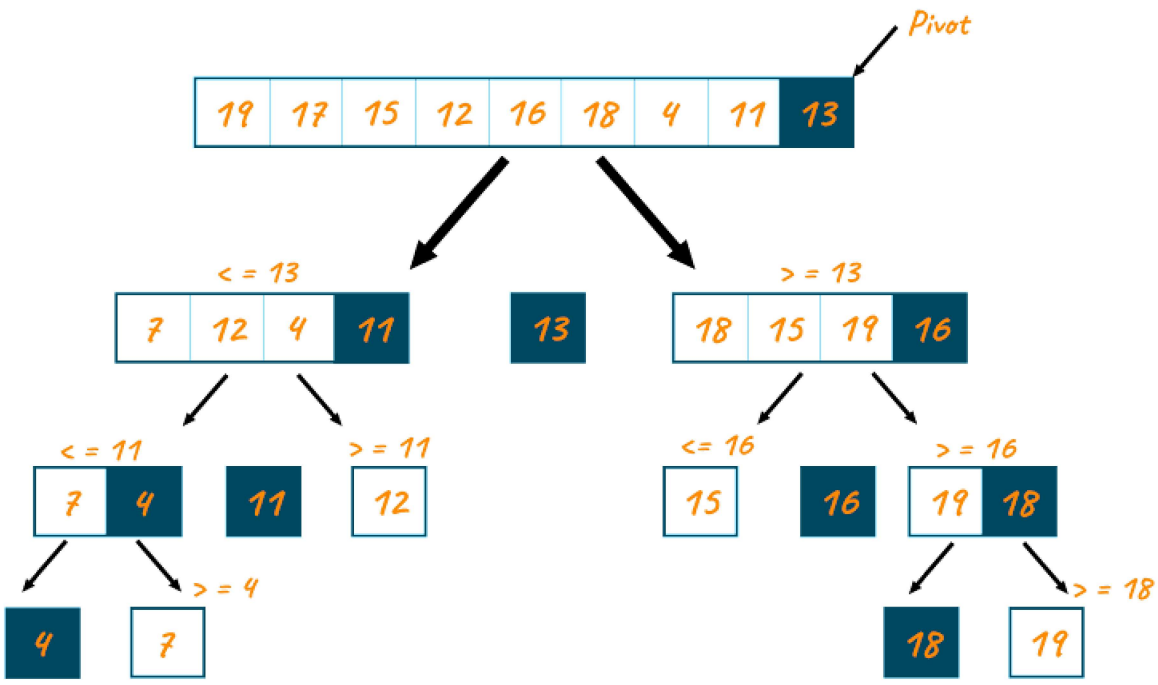
Which sorting Technique shown in the below fig * 1 point



- ○ Quick sort
- ◉ Merge sort
- ○ Heap sort
- ○ Insertion Sort

Which sorting Technique shown in the below fig

1 point



- ○ Heap Sort
- ◉ Quick Sort
- ○ Merge Sort
- ○ Insertion sort

Clear selection

-- Its running time can be different for different array contents. 1 point

-- The worst-case quick sort takes place when the array is already sorted.

-- It is not stable.

These are the main disadvantage of which sorting technique

- ○ Heap Sort
- ◉ Quick Sort
- ○ Merge Sort
- ○ Insertion sort

Clear selection

Which sorting technique follows the recursive Approach 1 point

- ○ Quick sort
- ◉ Merge sort
- ○ Heap sort
- ○ Insertion Sort

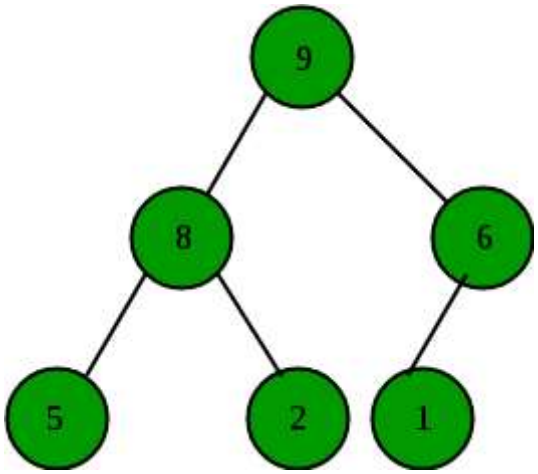
Clear selection

Is Quick Sort a stable algorithm? 1 point

- ○ Yes Quick sort is a stable algorithm
- ◉ No Quick sort is not a stable algorithm

Clear selection

In Based on complete binary tree, below fig illustrate which heap. 1 point



- ○ Min Heap
- ◉ Max Heap
- ○ None of Above

Clear selection

Page 1 of 1

Submit Clear form

Never submit passwords through Google Forms.