

Files by SANA SHEIKH
0313-4385944
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CS301P

BUZZUZ94149: SALMAN NAWAD Time Left 00 sec(s)

cs301p - Data Structures (Practical) (QUIZ # 4 (Graded)) Quiz Start Time: 05:23 PM, 17 July 202

Question # 1 of 10 (Start time: 05:23:23 PM, 17 July 2023) Total Marks

If the value to be searched in array using binary search algorithm is less than the mid value, this value will be searched in _____ of array.

Select the correct option Reload Math Equation

<input type="radio"/>	Last index
<input type="radio"/>	Second half
<input type="radio"/>	Mid index
<input checked="" type="radio"/>	First half

Click to Save Answer & Move to Next Question

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Quiz S

Question # 2 of 10 (Start time: 05:24:23 PM, 17 July 2023)

Which of the following method takes an array to make a heap out of it?

Select the correct option

- traverse ()
- Buildheap()
- Insert ()
- percolatedown ()

Click to Save

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Time Left
4:58

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Quiz start Time: 05:23 PM, 17 July

Question # 3 of 10 (start time: 05:25:15 PM, 17 July 2023)

Total M

In the given array representation of a tree constructed with Union by size method, which node is the parent of 7?

-1	-1	-1	3	3	5	5	7
1	2	3	4	5	6	7	8

Select the correct option

Reload Math Equati

- 2
- 6
- 7
- 1

Click to Save Answer & Move Next Question

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Question # 4 of 10 (Start time: 05:26:28 PM, 17 July 2023)

Binary Search Algorithm cannot be applied to :

Select the correct option

- Array sorted in any order
- Array sorted in descending order
- Array sorted in ascending order
- Linked List

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Time Left 51
sec(s)

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Quiz Start Time: 05:23 PM, 17 July 2023

Question # 5 of 10 (Start time: 05:27:27 PM, 17 July 2023)

Total Marks: 1

In Binary Search Algorithm, if the value being searched is greater than "mid", then updated "low" for the right half of array will be computed as:

Select the correct option

 Reload Math Equations

- Low = mid - 1
- Low = mid * 2
- Low = mid + 1
- Low = mid + high

Saving...

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Time Left

CS301P - Data Structures (Practical) (QUIZ # 4 (graded))

Quiz Start Time: 05:23 PM, 17 Jul

Question # 6 of 10 (Start time: 05:28:32 PM, 17 July 2023)

Total

What would be the "mid" index if value 10 is find from the given array using binary search algorithm?

1	5	7	9	10	13	17	19	27
0	1	2	3	4	5	6	7	8

Select the correct option

Reload Math Equa

- 7
- 4
- 0
- 8

Click to Save Answer & Move to Next Que

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cs301P - Data Structures (Practical) (QUIZ # 4 (Graded))

Quiz Start Time: 05:2

Question # 7 of 10 (start time: 05:30:10 PM, 17 July 2023)

Which of the following method take one element at a time to make a heap?

Select the correct option

Reload

- percolatedown ()
- traverse ()
- insert ()
- Buildheap()

Click to Save Answer & Move to

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Question # 8 of 10 (Start time: 05:31:12 PM, 17 July 2023)

Which of the following formula gives the index position of the left child of "i"?

Select the correct option

- $2i+1$
- $2*i$
- $2+i$
- $i/2$

Click

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CS301P - Data Structures (Practical) (QUIZ # 4 (Graded))

Quiz Start

Question # 9 of 10 (Start time: 05:32:20 PM, 17 July 2023)

Which of the following node has the maximum value in a max heap?

Select the correct option

- Root node
- None of the given options.
- Left most child
- Right most child

Click to save Answer

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Time Left

CS301P - Data Structures (Practical) (QUIZ # 4 (Graded))

Quiz Start Time: 05:23 PM, 17

Question # 10 of 10 (start time: 05:33:36 PM, 17 July 2023)

Total

Consider the max heap represented by the following array. Which of the following is the parent of node 14?

50,40,30,20,25,26,27,18,14

Select the correct option

Reload Math Eq

- 50
- 20
- 40
- 30

Click to Save Answer & Move to Next Qu

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