CS301:Quiz No. 2

The union operation is based on size or weight but the reducing the in-between links or path compression from ____ to th

Select the correct option

○	roots , node
○	nodes , root
○	root , root
○	node , node

◀

Question # 9 of 10 (Start time: 12:22:08 PM, 19 August 2019)

During union by size method, which data structure is used to improve the balancing of tree?

Select the correct option

○ Array

○ Stack

○ Linked List

○ Tree

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We are given N items to build a heap of items , this can be done with _____ successive inserts.

Select the correct option

○ N-1

○ N

○ N+1

○ N^2

Question # 6 of 10 (Start time: 12:15:58 PM, 19 August 2019)

The percolateDown procedure will move the smaller value_____ and bigger value_____.

Select the correct option

○ left,right

○ right,left

◻ down,up

○ up,down

Question # 4 of 10 (Start time: 12:11:53 PM, 19 August 2019)

Which of the following is NOT true regarding the maze generation?

▶ **Select the correct option**

○ Randomly remove walls until the entrance and exit cells are in the same set

○ Removing a wall is the same as doing a union operation

○ Do not remove a randomly chosen wall if the cells it separates are already in the same set

○ None of the given

Question # 1 of 10 (Start time: 12:07:21 PM, 19 August 2019)

If a tree has 50 nodes, then the total edges/links in the tree will be :

Select the correct option

○ 55

○ 51

◐ 50

49