Started on	Tuesday, 18 February 2020, 1:13 AM
State	Finished
Completed on	Tuesday, 18 February 2020, 1:14 AM
Time taken	32 secs
Marks	4.00/5.00
Grade	**80.00** out of 100.00
Feedback	Congratulations!! You have passed by securing more than 80%

Question 1

Incorrect

Mark 0.00 out of 1.00

Flag question

You have to sort a list 'L' which consists of some sorted elements and few "random" elements. Which of the following sorting methods would be especially suitable for such a task?

Select one:

- Insertion sort
- Selection sort ✖
- Bubble sort
- Quick sort

Your answer is incorrect.

The correct answer is: Insertion sort

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Time complexities of three algorithms are given. Which should execute the slowest for large values of N?

Select one:

- O(log N)
- O(n^2) ✔
- O(N)
- O(2N)

Your answer is correct.

The correct answer is: O(n^2)

Quiz navigation

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Finish review

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Rearrange the below algorithm for Bubble Sort.
Input: A is the list of elements and n is the size of the list
Output: A1, A2,...,An, arranged in increasing order

- ✔ procedure bubbleSort(A,n)
- ✔ for i = 0 to n-1
- ✔ for j = 0 to n-i-1
- ✔ if A[j] >A[j+1]
- ✔ swap a[j] <-> A[j+1]
- ✔ end bubbleSort

Your answer is correct.

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

What is the time complexity for executing merge sort on an array of size n which is already sorted is

Select one:

- O(n^2)
- O(n log n) ✔
- O(log n)
- O(n)

Your answer is correct.

The correct answer is: O(n log n)

Question 5

Correct

Mark 1.00 out of 1.00

Flag question

If the given array is {6,2, 5, 1, 9 }, the 3rd number from the left while doing bubble sort in the 2nd iteration is 5 ✔ .

The correct answer is: 5

Finish review