	IDESOA02
	- Which statement below is wrong about comparison sorting algorithms?
	Select one:
0	
0	The time complexity of some comparison sorting algorithms can be faster than O(NlogN).
	Bubble sort, Merge sort and Heap sort are comparison sorting algorithms
•	The time complexity of a comparison sorting algorithm is based on the number of comparisons
	and moves during sorting.
0	The sorted order is determined based only on the comparisons between sort keys.
	IDESOA02
	- Which statement below is wrong about comparison sorting algorithms?
	Select one:
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	moves during sorting.
0	
•	The time complexity of some comparison sorting algorithms can be faster than O(NlogN).
•	Bubble sort, Merge sort and Heap sort are comparison sorting algorithms.
	IDECO A 02
	IDESOA03Which statement below is wrong in the context of linear sorting algorithm?
	- which statement below is wrong in the context of linear sorting argorithm?
	Select one:
€>	The time complexity is linear.
•	The sorted order is determined based on the comparisons between sort keys.
	The sorted state is actemmed sused on the companions octive in sort helps.
	The sort key must be numeric.
0	
•	Counting sort and Radix sort are linear sorting algorithms.
	IDESOA04
	– In a stable sort algorithm …?
	Select one:
O	
0	The relative order of elements with equal keys are not maintained.
*	The order of both key and non-key values are maintained.

•	The relative order of elements with equal keys are maintained.
0	The order of key values are maintained.
0	IDESOA05 — Merge sort and Quick sort are? Select one: Based on Divide and Conquer approach. O(n^2) sorting algorithms. Linear sorting algorithm. The fastest sorting algorithms.
00000	IDESOA05 - Merge sort and Quick sort are? Select one: Based on Divide and Conquer approach. The fastest sorting algorithms. Linear sorting algorithm. O(n^2) sorting algorithms.
000000000000000000000000000000000000000	IDESOA06 - Which sorting algorithm locates the largest (or smallest) key and its index in each sort pass? Select one: Bubble sort. Selection sort. Insertion sort. Heap sort.
© C	IDESOA07 — Which statement is wrong about Insertion sort? Select one: Scan and exchange any pair of elements that is out-of-order. It is O(n^2) sorting algorithm.
0	Unsorted elements are inserted into an already sorted list. We must shift several elements to make place for the inserted one.

	IDESOA08
	- Which sorting algorithm scans and exchanges any pair of elements that is out-of-order?
	Select one:
О	Insertion sort.
С	Bubble sort.
C	Selection sort.
⊙	Heap sort.
	IDESOA09
	- Which statement is wrong concerning to the Heap data structure?
	Select one:
0	It is a tree where all nodes have zero, one or two children.
О	In a min-heap the parent node value is always greater than or equal to its children's values.
•	It is used in Heap sort algorithm.
О	An array can be used to store heap's nodes.
	IDESOA14
	– Suppose that we are using Radix sort on N elements, each element has P digits in base b (each digit is in the range [0 B-1]), and couting sort algorithm is used to sort the digits. What is the time complexity of the Radix sort algorithm?
	Select one:
0	O(N.P.B).
0	O(P+N+B).
0	O(B+N).
•	
	O(P(N+B)).
	IDESOA15
	– What is an operation in which a list of elements is arranged either in ascending order or in descending order?
	Select one:

0	Searching.
0	Hashing.
0	Sorting.
O	Traversing.
	· ·
	IDESOA16
	– Which of the following sorting algorithm does not have a worst case time complexity of O(n^2)?
	Select one:
	Insertion sort.
	insertion sort.
0	
-	Quick sort.
0	Buble sort.
	Merge sort.
	Weige Soit.