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SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. What is the worst-case time complexity of searching for an element in an unsorted array?

A. O(1)
B. O(n)
C. O(log n)
D. O(n log n)

Solution: In the worst case, you may need to check every element in the array, leading to a time complexity of O(n).

Q2. Which of the following sorting algorithms is not stable?

A. Bubble Sort
B. Merge Sort
C. Quick Sort
D. Insertion Sort

Solution: Quick Sort is not a stable sorting algorithm because it can change the relative order of equal elements.

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