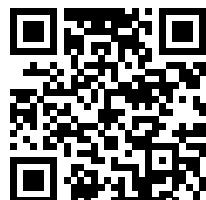




SoulShift - Educational Q&A Platform

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.



