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General Questions

Practice Questions

Q1. In Quick Sort, what is the effect of choosing a bad pivot?

A. Increased space complexity
B. Increased time complexity
C. Decreased time complexity
D. No effect

Solution: Choosing a bad pivot can lead to increased time complexity, potentially degrading to O(n^2) in the worst case.

Q2. Which of the following is true about Quick Sort?

A. It is always faster than Merge Sort
B. It is not in-place
C. It can be implemented using recursion
D. It is stable

Solution: Quick Sort can be implemented using recursion, although it is not a stable sorting algorithm.

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