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General Questions

Practice Questions

Q1. What is the space complexity of Quick Sort in the average case?

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

Solution: The average space complexity of Quick Sort is O(log n) due to the recursive stack space used during the sorting process.

Q2. Which of the following is a real-world application of Heap Sort?

A. Database sorting
B. Real-time systems
C. Memory management
D. All of the above

Solution: Heap Sort is used in various real-world applications including database sorting, real-time systems, and memory management due to its efficiency.

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