



SoulShift - Educational Q&A Platform

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.



