SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. What is the average time complexity of Quick Sort?

A. O(n log n)
B. O(n^2)
C. O(log n)
D. O(n)

Solution: The average time complexity of Quick Sort is O(n log n) due to its divide-and-conquer approach.

Q2. In Quick Sort, what is the role of the pivot?

A. To divide the array
B. To sort the array
C. To merge the array
D. To find the maximum element

Solution: In Quick Sort, the pivot is used to divide the array into two parts: elements less than the pivot and elements greater than the pivot.

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