



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.



