SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. In which scenario is Quick Sort generally preferred over Merge Sort?
   A. When memory usage is a concern
   B. When the data is nearly sorted
   C. When stability is required
   D. When the data is small

Solution: Quick Sort is generally preferred over Merge Sort when memory usage is a concern, as it is an in-place sorting algorithm.

Q2. What is the best-case time complexity of Insertion Sort?
   A. O(n log n)
   B. O(n^2)
   C. O(n)
   D. O(log n)

Solution: The best-case time complexity of Insertion Sort is O(n) when the array is already sorted.