SoulShift

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General Questions

Practice Questions

Q1. Which sorting algorithm uses a divide-and-conquer approach?

A. Bubble Sort
B. Insertion Sort
C. Merge Sort
D. Selection Sort

Solution: Merge Sort uses a divide-and-conquer approach by dividing the array into halves, sorting them, and then merging.

Q2. What is a real-world application of Quick Sort?

A. Database indexing
B. Image processing
C. File sorting
D. All of the above

Solution: Quick Sort is widely used in real-world applications such as database indexing, image processing, and file sorting due to its efficiency.

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