



## **SoulShift - Educational Q&A Platform**

### **General Questions**

Practice Questions



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**Q1. Which sorting algorithm is based on the divide-and-conquer principle and is stable?**

- A. Quick Sort
- B. Merge Sort
- C. Heap Sort
- D. Bubble Sort

*Solution: Merge Sort is a stable sorting algorithm that uses the divide-and-conquer principle.*

**Q2. Which sorting algorithm is best suited for large datasets that do not fit into memory?**

- A. Quick Sort
- B. Merge Sort
- C. Heap Sort
- D. Bubble Sort

*Solution: Merge Sort is best suited for large datasets that do not fit into memory due to its external sorting capabilities.*



