



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

### **General Questions**

Practice Questions



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**Q1. In Quick Sort, what is the effect of choosing a bad pivot?**

- A. Increased space complexity
- B. Increased time complexity
- C. Decreased time complexity
- D. No effect

*Solution: Choosing a bad pivot can lead to increased time complexity, potentially degrading to  $O(n^2)$  in the worst case.*

**Q2. Which of the following is true about Quick Sort?**

- A. It is always faster than Merge Sort
- B. It is not in-place
- C. It can be implemented using recursion
- D. It is stable

*Solution: Quick Sort can be implemented using recursion, although it is not a stable sorting algorithm.*



