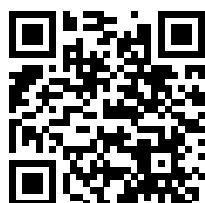




## **SoulShift - Educational Q&A Platform**

### **General Questions**

Practice Questions



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**Q1. In binary search, what is the purpose of calculating the mid index?**

- A. To find the maximum element
- B. To divide the array into two halves
- C. To check for duplicates
- D. To sort the array

*Solution: The mid index is calculated to divide the array into two halves for further searching.*

**Q2. Which of the following is a common modification to binary search for finding the first occurrence of a target?**

- A. Use a linear search
- B. Continue searching in the left half even after finding the target
- C. Sort the array first
- D. Use a stack

*Solution: To find the first occurrence, continue searching in the left half even after finding the target.*



