SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

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.

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