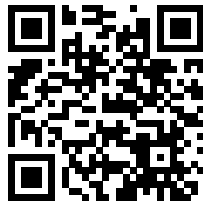




SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. What will be the result of binary search if the target value is not present in the array?

- A. Returns the index of the closest value
- B. Returns -1
- C. Returns the index of the last element
- D. Returns the index of the first element

Solution: If the target value is not found, binary search typically returns -1 to indicate absence.

Q2. Which of the following is a valid implementation of binary search in Python?

- A. `def binary_search(arr, target): ...`
- B. `def binary_search(arr, target): for i in arr: if i == target: return i`
- C. `def binary_search(arr, target): while arr: ...`
- D. `def binary_search(arr, target): return arr.index(target)`

Solution: The first option correctly defines a binary search function that takes a sorted array and a target value.



