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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.

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