

CodeSignal Practice Test Questions and Answers

1. What is the time complexity of searching for an element in a balanced binary search tree?

- A) $O(n)$
- B) $O(\log n)$
- C) $O(n^2)$
- D) $O(1)$

2. Which data structure follows the Last In, First Out (LIFO) principle?

- A) Queue
- B) Stack
- C) Array
- D) Linked List

3. What does the "Big O" notation $O(n)$ represent?

- A) Constant time complexity
- B) Linear time complexity
- C) Quadratic time complexity
- D) Logarithmic time complexity

4. Which sorting algorithm has the best average-case time complexity?

- A) Bubble Sort
- B) Selection Sort
- C) Merge Sort
- D) Insertion Sort

Answers: 1-B 2-B 3-B 4-C

For More CodeSignal Questions and Answers FREE, CodeSignal Online Prep Training, CodeSignal Exam, CodeSignal Study Guide, CodeSignal Flashcards, CodeSignal Quizzes visit:

CodeSignal Practice Test