

ACTIVITY BOOK



Unit 3: Interview for Programmers and Best Practices in Programming

Lesson 1: Interview for Programmers

6. Matching activity: Match the coding terms from the "Top 24 Coding Interview Questions" reading text with their correct descriptions. Write the letter of the correct answer next to the number of the term. Have fun testing your knowledge!

Terms:

1. Array: _____
2. Queue: _____
3. Binary Tree: _____
4. Recursion: _____
5. Polymorphism: _____
6. Binary Search Tree: _____
7. Linked List: _____
8. Stack: _____
9. FIFO: _____
10. Palindrome: _____



Descriptions:

- A.** A data structure where each element points to the next, not necessarily in consecutive memory locations.
- B.** A method where the first item stored is the first to be retrieved.
- C.** A sequence of elements in a specific order, typically in contiguous memory locations.
- D.** A tree structure where each node has at most two children.
- E.** A data structure that allows adding and removing elements in a last-in, first-out manner.
- F.** A word or phrase that reads the same backward as forward.
- G.** A programming concept where a function calls itself.
- H.** A tree used for efficient data retrieval, organizing nodes based on less than or greater than properties.
- I.** A programming concept where the same operation can be performed in different ways.
- J.** A linear data structure that operates on a first-in, first-out basis.