



ALGORITHMS EVERY DEV SHOULD KNOW

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These algorithms
will take you a long way





The ability to think algorithmically is incredibly important for a developer.

It will not only help you in cracking Tech interviews but also help you in solving real-life problems.





Binary Search

A binary search consists of taking a sorted array, iteratively splitting the array into two, and comparing an element that you are looking for against each half until you find the element.

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Selection, Bubble, Insertion Sort, Quicksort and Mergesort

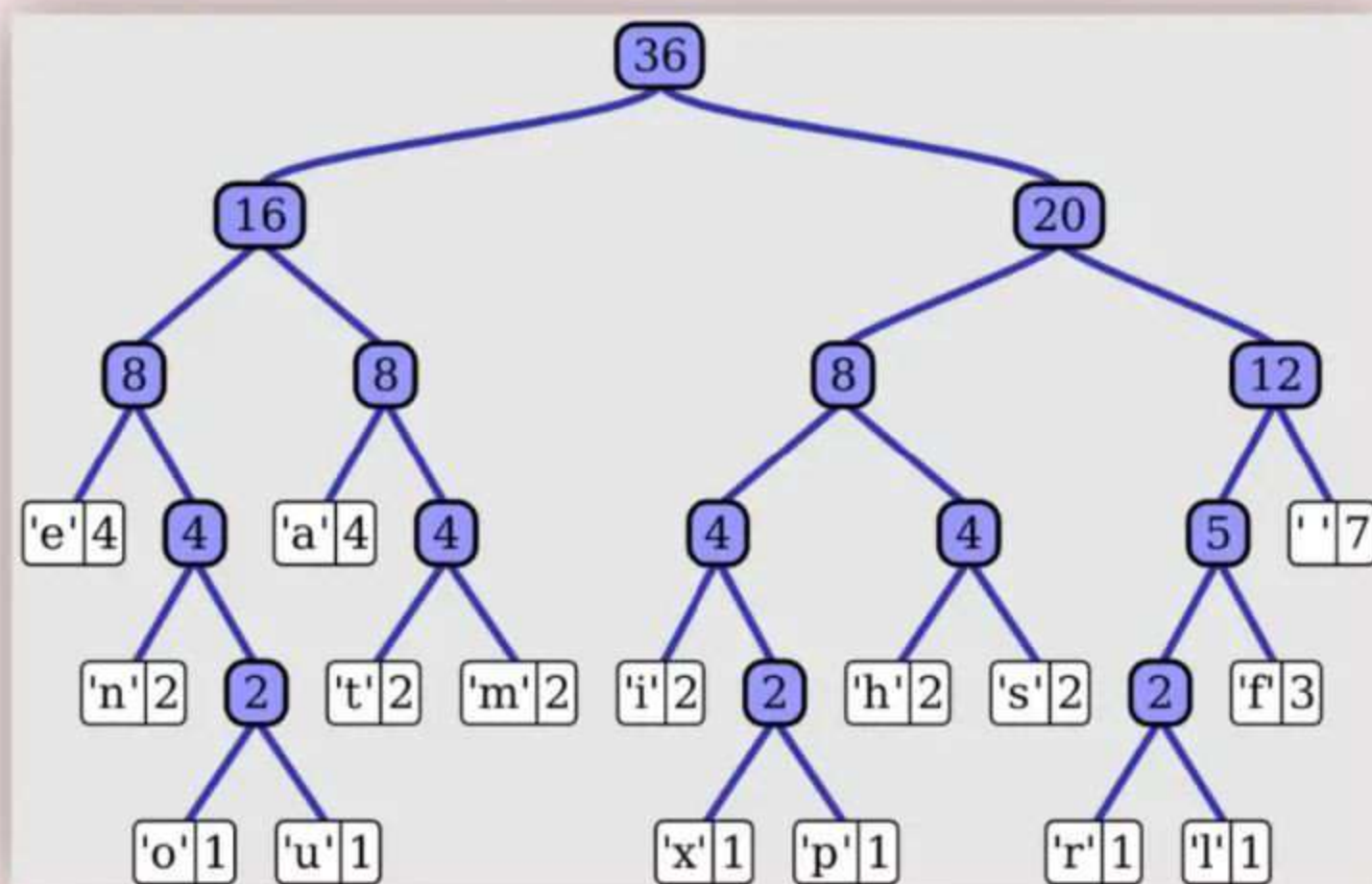
Sorting algorithms are one of the most fundamental tools that a developer should have in their arsenal





Huffman Coding

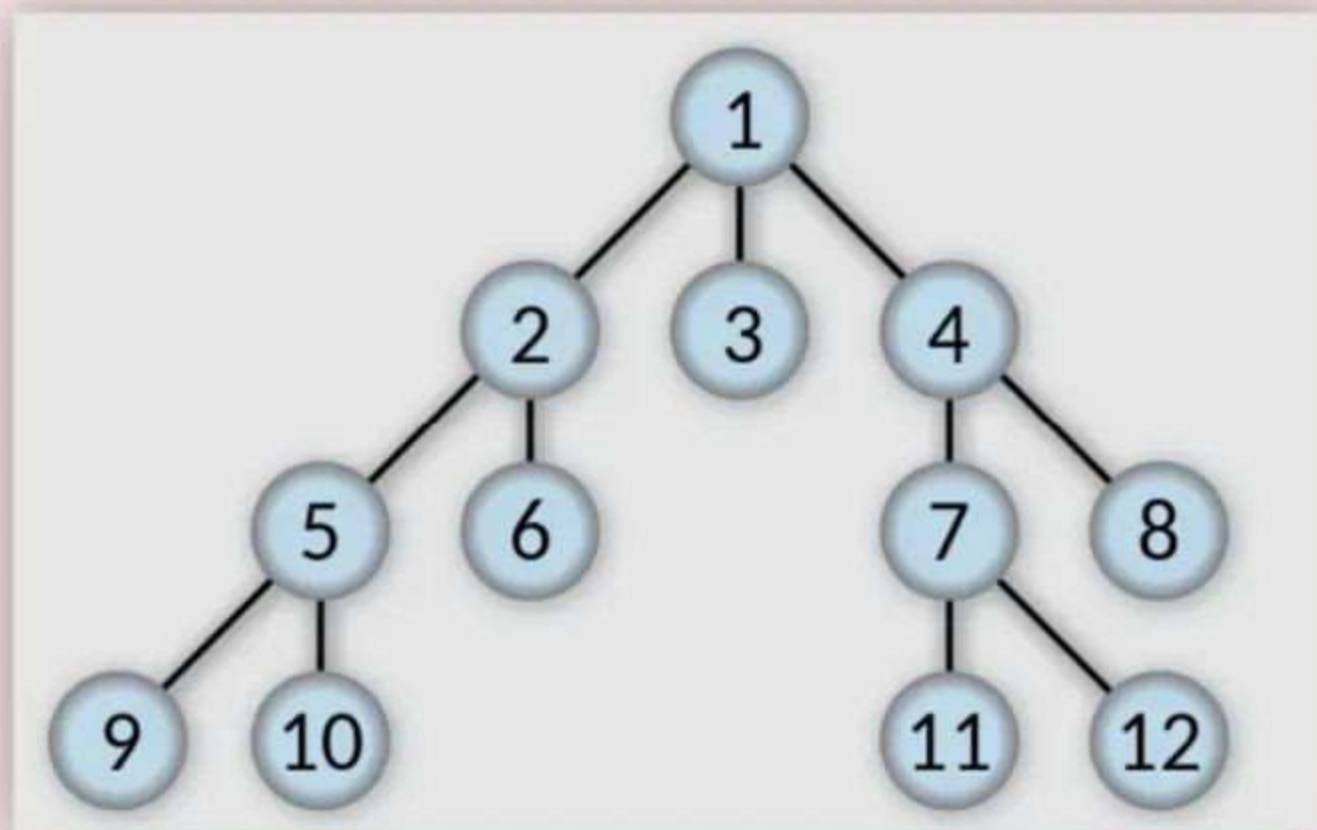
Huffman coding works by considering how often different characters appear in a text and organizing them in a tree based on this frequency.





Breadth-First Search

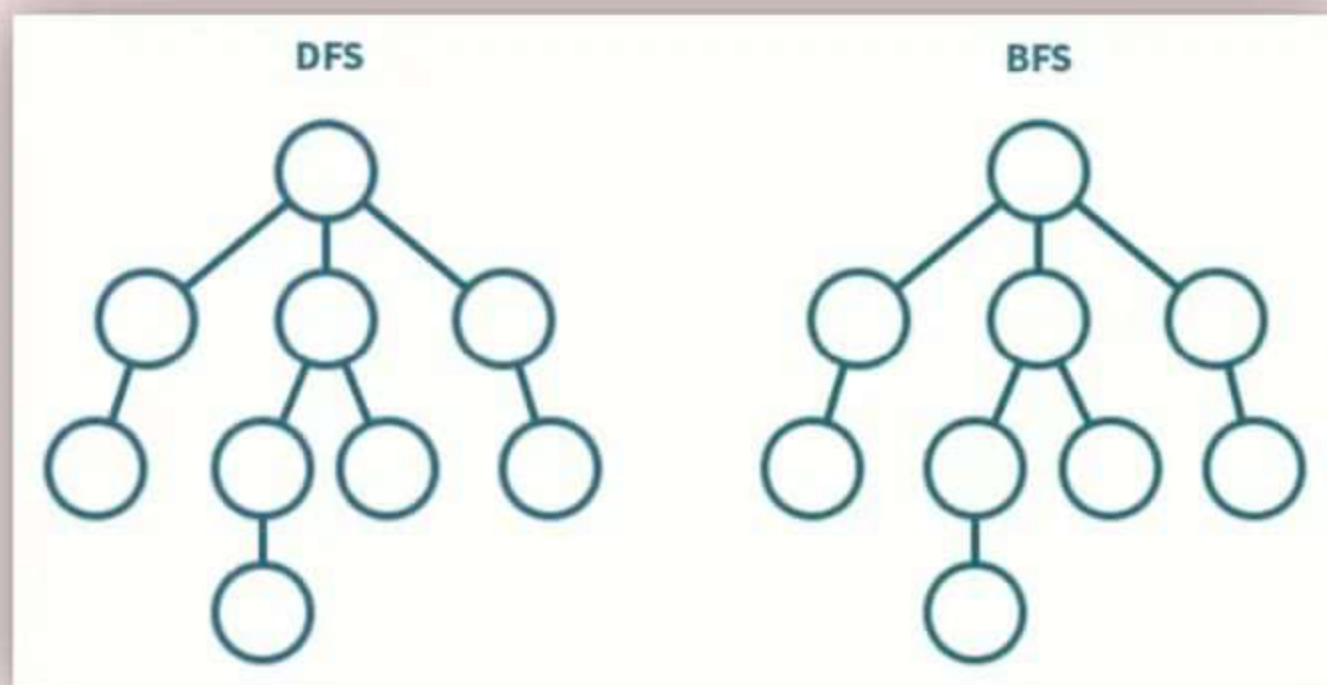
It works by exploring a tree level by level until the target node is found. Since it literally goes through every level it is guaranteed to find a solution





Depth First Search

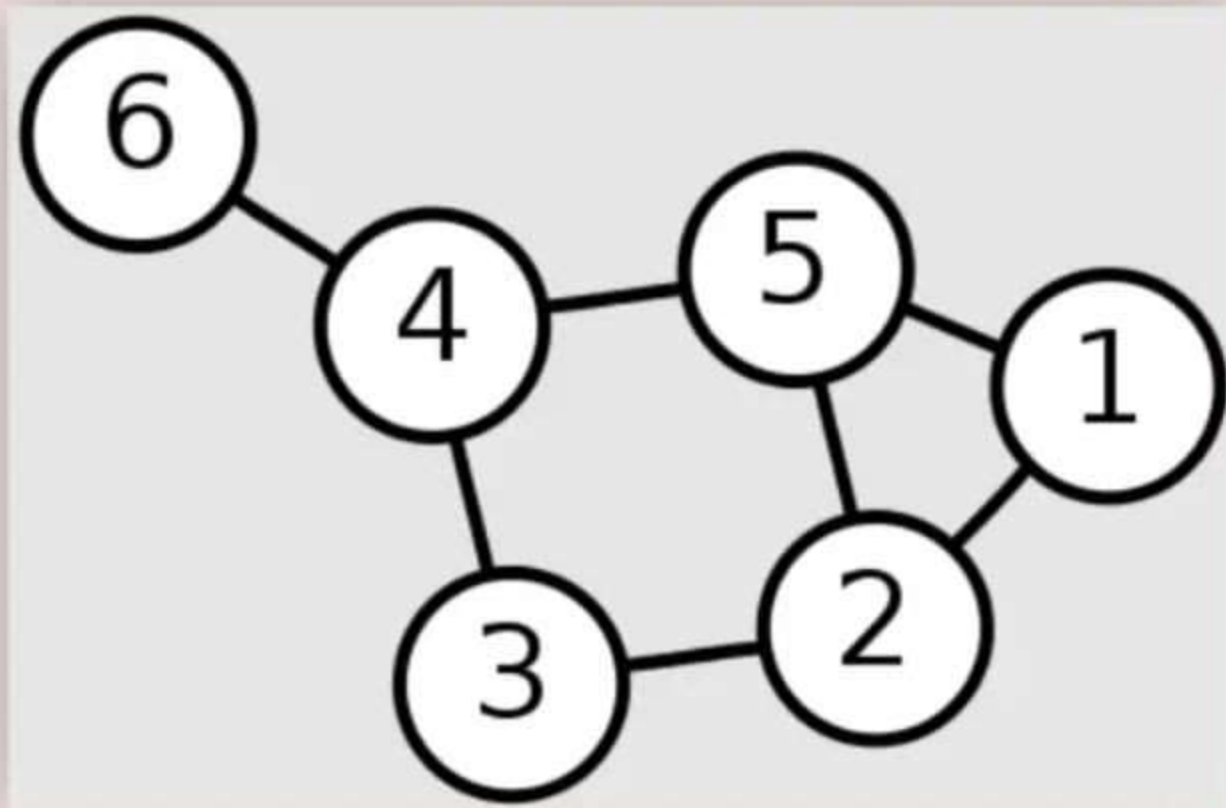
It is the other main approach for finding an element in a tree. Instead of working down the tree level by level, it explores the tree branch by branch.





Dijkstra's Algorithm

It is a way of finding the quickest path between two nodes in a graph.





Now start Doing Practice
Problems on these
algorithms