



## Getting started with Trees

Merge Two Binary Trees	<a href="https://leetcode.com/problems/merge-two-binary-trees/">https://leetcode.com/problems/merge-two-binary-trees/</a>
Kth Smallest Element in BST	<a href="https://leetcode.com/problems/kth-smallest-element-in-a-bst/">https://leetcode.com/problems/kth-smallest-element-in-a-bst/</a>
All Elements in Two BSTs	<a href="https://leetcode.com/problems/all-elements-in-two-binary-search-trees/">https://leetcode.com/problems/all-elements-in-two-binary-search-trees/</a>
Delete Node in BST	<a href="https://leetcode.com/problems/delete-node-in-a-bst/">https://leetcode.com/problems/delete-node-in-a-bst/</a>
Trim a BST	<a href="https://leetcode.com/problems/trim-a-binary-search-tree/">https://leetcode.com/problems/trim-a-binary-search-tree/</a>
Delete Nodes And Return Forest	<a href="https://leetcode.com/problems/delete-nodes-and-return-forest/">https://leetcode.com/problems/delete-nodes-and-return-forest/</a>

## Path Based Problems

Path Sum 2	<a href="https://leetcode.com/problems/path-sum-ii/">https://leetcode.com/problems/path-sum-ii/</a>
Sum root to leaf numbers	<a href="https://leetcode.com/problems/sum-root-to-leaf-numbers/">https://leetcode.com/problems/sum-root-to-leaf-numbers/</a>
Binary Tree maximum sum path	<a href="https://leetcode.com/problems/binary-tree-maximum-path-sum/">https://leetcode.com/problems/binary-tree-maximum-path-sum/</a>
Path Sum 3	<a href="https://leetcode.com/problems/path-sum-iii/">https://leetcode.com/problems/path-sum-iii/</a>
Pseudo Palindromic paths in a binary tree	<a href="https://leetcode.com/problems/pseudo-palindromic-paths-in-a-binary-tree/">https://leetcode.com/problems/pseudo-palindromic-paths-in-a-binary-tree/</a>
Smallest String Starting From Leaf	<a href="https://leetcode.com/problems/smallest-string-starting-from-leaf/">https://leetcode.com/problems/smallest-string-starting-from-leaf/</a>
Insufficient Nodes in Root to Leaf Paths	<a href="https://leetcode.com/problems/insufficient-nodes-in-root-to-leaf-paths/">https://leetcode.com/problems/insufficient-nodes-in-root-to-leaf-paths/</a>

## LCA

Lowest common ancestor of a binary tree	<a href="https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/">https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/</a>
Lowest common ancestor of a deepest leaves	<a href="https://leetcode.com/problems/lowest-common-ancestor-of-deepest-leaves/">https://leetcode.com/problems/lowest-common-ancestor-of-deepest-leaves/</a>
Kth Ancestor of a Tree Node	<a href="https://leetcode.com/problems/kth-ancestor-of-a-tree-node/">https://leetcode.com/problems/kth-ancestor-of-a-tree-node/</a>

## Validate Trees

Validate Binary Tree Nodes	<a href="https://leetcode.com/problems/validate-binary-tree-nodes/">https://leetcode.com/problems/validate-binary-tree-nodes/</a>
Validate Binary Search Tree	<a href="https://leetcode.com/problems/validate-binary-search-tree/">https://leetcode.com/problems/validate-binary-search-tree/</a>
Check Completeness of a Binary Tree	<a href="https://leetcode.com/problems/check-completeness-of-a-binary-tree/">https://leetcode.com/problems/check-completeness-of-a-binary-tree/</a>

## Algorithms over trees

Maximum Width of Binary Tree	<a href="https://leetcode.com/problems/maximum-width-of-binary-tree/">https://leetcode.com/problems/maximum-width-of-binary-tree/</a>
Check Completeness of a Binary Tree	<a href="https://leetcode.com/problems/check-completeness-of-a-binary-tree/">https://leetcode.com/problems/check-completeness-of-a-binary-tree/</a>

	Maximum Difference Between Node and Ancestor	<a href="https://leetcode.com/problems/maximum-difference-between-node-and-ancestor/">https://leetcode.com/problems/maximum-difference-between-node-and-ancestor/</a>
	Number of Good Leaf Nodes Pairs	<a href="https://leetcode.com/problems/number-of-good-leaf-nodes-pairs/">https://leetcode.com/problems/number-of-good-leaf-nodes-pairs/</a>
	Smallest Subtree with all the Deepest Nodes	<a href="https://leetcode.com/problems/smallest-subtree-with-all-the-deepest-nodes/">https://leetcode.com/problems/smallest-subtree-with-all-the-deepest-nodes/</a>
	All Nodes Distance K in Binary Tree	<a href="https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/">https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/</a>
	Vertical Order Traversal of a Binary Tree	<a href="https://leetcode.com/problems/vertical-order-traversal-of-a-binary-tree/">https://leetcode.com/problems/vertical-order-traversal-of-a-binary-tree/</a>
	Binary Tree Cameras	<a href="https://leetcode.com/problems/binary-tree-cameras/">https://leetcode.com/problems/binary-tree-cameras/</a>
	Convert Sorted List to Binary Search Tree	<a href="https://leetcode.com/problems/convert-sorted-list-to-binary-search-tree/">https://leetcode.com/problems/convert-sorted-list-to-binary-search-tree/</a>
	Recover Binary Search Tree	<a href="https://leetcode.com/problems/recover-binary-search-tree/">https://leetcode.com/problems/recover-binary-search-tree/</a>
<b>Serialize and deserialize</b>		
	Serialize and Deserialize Binary Tree	<a href="https://leetcode.com/problems/serialize-and-deserialize-binary-tree/">https://leetcode.com/problems/serialize-and-deserialize-binary-tree/</a>
	Verify Preorder Serialization of a Binary Tree	<a href="https://leetcode.com/problems/verify-preorder-serialization-of-a-binary-tree/">https://leetcode.com/problems/verify-preorder-serialization-of-a-binary-tree/</a>
	Serialize and Deserialize BST	<a href="https://leetcode.com/problems/serialize-and-deserialize-bst/">https://leetcode.com/problems/serialize-and-deserialize-bst/</a>
<b>Leaf Nodes Based Questions</b>		
	Deepest Leaves Sum	<a href="https://leetcode.com/problems/deepest-leaves-sum/">https://leetcode.com/problems/deepest-leaves-sum/</a>
	Delete Leaves With a Given Value	<a href="https://leetcode.com/problems/delete-leaves-with-a-given-value/">https://leetcode.com/problems/delete-leaves-with-a-given-value/</a>
<b>Tree Traversals</b>		
	Smallest Subtree with all the Deepest Nodes	<a href="https://leetcode.com/problems/smallest-subtree-with-all-the-deepest-nodes/">https://leetcode.com/problems/smallest-subtree-with-all-the-deepest-nodes/</a>
	Path In Zigzag Labelled Binary Tree	<a href="https://leetcode.com/problems/path-in-zigzag-labelled-binary-tree/">https://leetcode.com/problems/path-in-zigzag-labelled-binary-tree/</a>
	Maximum Level Sum of a Binary Tree	<a href="https://leetcode.com/problems/maximum-level-sum-of-a-binary-tree/">https://leetcode.com/problems/maximum-level-sum-of-a-binary-tree/</a>
	Sum of Nodes with Even-Valued Grandparent	<a href="https://leetcode.com/problems/sum-of-nodes-with-even-valued-grandparent/">https://leetcode.com/problems/sum-of-nodes-with-even-valued-grandparent/</a>
	Frog Position After T Seconds	<a href="https://leetcode.com/problems/frog-position-after-t-seconds/">https://leetcode.com/problems/frog-position-after-t-seconds/</a>
	Even Odd Tree	<a href="https://leetcode.com/problems/even-odd-tree/">https://leetcode.com/problems/even-odd-tree/</a>
	Binary Tree Level Order Traversal	<a href="https://leetcode.com/problems/binary-tree-level-order-traversal/">https://leetcode.com/problems/binary-tree-level-order-traversal/</a>
	Binary Tree Zigzag Level Order Traversal	<a href="https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/">https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/</a>
	Binary Tree Level Order Traversal II	<a href="https://leetcode.com/problems/binary-tree-level-order-traversal-ii/">https://leetcode.com/problems/binary-tree-level-order-traversal-ii/</a>
	Binary Tree Right Side View	<a href="https://leetcode.com/problems/binary-tree-right-side-view/">https://leetcode.com/problems/binary-tree-right-side-view/</a>
	N-ary Tree Level Order Traversal	<a href="https://leetcode.com/problems/n-ary-tree-level-order-traversal/">https://leetcode.com/problems/n-ary-tree-level-order-traversal/</a>
	Find Largest Value in Each Tree Row	<a href="https://leetcode.com/problems/find-largest-value-in-each-tree-row/">https://leetcode.com/problems/find-largest-value-in-each-tree-row/</a>
	Add One Row to Tree	<a href="https://leetcode.com/problems/add-one-row-to-tree/">https://leetcode.com/problems/add-one-row-to-tree/</a>

	Binary Search Tree to Greater Sum Tree	<a href="https://leetcode.com/problems/binary-search-tree-to-greater-sum-tree/">https://leetcode.com/problems/binary-search-tree-to-greater-sum-tree/</a>
	All Elements in Two Binary Search Trees	<a href="https://leetcode.com/problems/all-elements-in-two-binary-search-trees/">https://leetcode.com/problems/all-elements-in-two-binary-search-trees/</a>
	Validate Binary Search Tree	<a href="https://leetcode.com/problems/validate-binary-search-tree/">https://leetcode.com/problems/validate-binary-search-tree/</a>
	Convert BST to Greater Tree	<a href="https://leetcode.com/problems/convert-bst-to-greater-tree/">https://leetcode.com/problems/convert-bst-to-greater-tree/</a>
<b>Build Trees</b>		
	All Possible Full Binary Trees	<a href="https://leetcode.com/problems/all-possible-full-binary-trees/">https://leetcode.com/problems/all-possible-full-binary-trees/</a>
	Construct Binary Search Tree from Preorder Traversal	<a href="https://leetcode.com/problems/construct-binary-search-tree-from-preorder-traversal/">https://leetcode.com/problems/construct-binary-search-tree-from-preorder-traversal/</a>
	Recover a Tree From Preorder Traversal	<a href="https://leetcode.com/problems/recover-a-tree-from-preorder-traversal/">https://leetcode.com/problems/recover-a-tree-from-preorder-traversal/</a>
	Number Of Ways To Reconstruct A Tree	<a href="https://leetcode.com/problems/number-of-ways-to-reconstruct-a-tree/">https://leetcode.com/problems/number-of-ways-to-reconstruct-a-tree/</a>
	Merge BSTs to Create Single BST	<a href="https://leetcode.com/problems/merge-bsts-to-create-single-bst/">https://leetcode.com/problems/merge-bsts-to-create-single-bst/</a>
	Unique Binary Search Trees II	<a href="https://leetcode.com/problems/unique-binary-search-trees-ii/">https://leetcode.com/problems/unique-binary-search-trees-ii/</a>
	Convert Sorted List to Binary Search Tree	<a href="https://leetcode.com/problems/convert-sorted-list-to-binary-search-tree/">https://leetcode.com/problems/convert-sorted-list-to-binary-search-tree/</a>
<b>Nodes Distance</b>		
	Sum of Distances in Tree	<a href="https://leetcode.com/problems/sum-of-distances-in-tree/">https://leetcode.com/problems/sum-of-distances-in-tree/</a>
	All Nodes Distance K in Binary Tree	<a href="https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/">https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/</a>
<b>Flip Trees</b>		
	Flip Equivalent Binary Trees	<a href="https://leetcode.com/problems/flip-equivalent-binary-trees/">https://leetcode.com/problems/flip-equivalent-binary-trees/</a>
	Flip Binary Tree To Match Preorder Traversal	<a href="https://leetcode.com/problems/flip-binary-tree-to-match-preorder-traversal/">https://leetcode.com/problems/flip-binary-tree-to-match-preorder-traversal/</a>
<b>Count based problems</b>		
	Number of Nodes in the Sub-Tree With the Same Label	<a href="https://leetcode.com/problems/number-of-nodes-in-the-sub-tree-with-the-same-label/">https://leetcode.com/problems/number-of-nodes-in-the-sub-tree-with-the-same-label/</a>
	Unique Binary Search Trees	<a href="https://leetcode.com/problems/unique-binary-search-trees/">https://leetcode.com/problems/unique-binary-search-trees/</a>
<b>Find kth smallest/largest</b>		
	Kth Smallest Element in a BST	<a href="https://leetcode.com/problems/kth-smallest-element-in-a-bst/">https://leetcode.com/problems/kth-smallest-element-in-a-bst/</a>