### <https://www.geeksforgeeks.org/top-50-tree-coding-problems-for-interviews/>

### 1. Height of Binary Tree

Link: <https://www.geeksforgeeks.org/problems/height-of-binary-tree/1?itm_source=geeksforgeeks&itm_medium=article&itm_campaign=bottom_sticky_on_article>

Approach 1: To solve recursion.

Approach 2: To solve Level order traversal

### 2. Determine if Two Trees are Identical

Link:

Approach 1: To solve the problem using recursive solution.

Approach 2: using all the traversal together and all the value store in vector are equal.

When 1 left of 2 { 2, 1 } and 2 right 1 {2,1} but both are not same.

### 3. Mirror Tree(To generate the mirror tree)

Approach: use the recursion function node null return; and swap the node ->recursively call the function.

### 4. Symmetric Tree(to check the mirror tree.)

### 5. Diameter of a Binary Tree

Approach: r=to find the height of left and right sub tree and sum of left and right including present node.

### 6.Check for Balanced Tree

Approach: addition one condition on problem1 check if abs of left sub tree minus right sub tree not greater then 1.