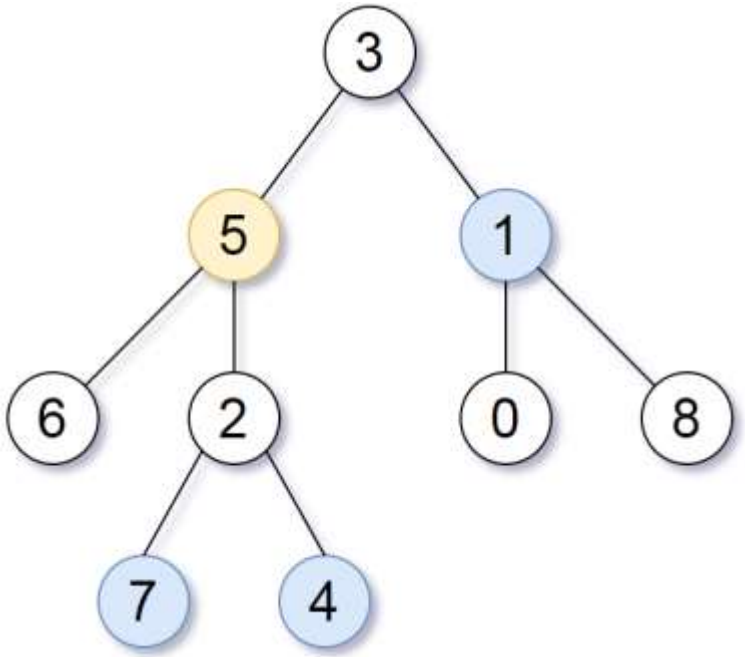
All Nodes Distance K in Binary Tree

Given the root of a binary tree, the value of a target node target, and an integer k, return *an array of the values of all nodes that have a distance* k *from the target node.*

You can return the answer in **any order**.

Example 1:



Input: root = [3,5,1,6,2,0,8,null,null,7,4], target = 5, k = 2

Output: [7,4,1]

Explanation: The nodes that are a distance 2 from the target node (with value 5) have values 7, 4, and 1.

Example 2:

Input: root = [1], target = 1, k = 3

Output: []

Constraints:

- The number of nodes in the tree is in the range [1, 500].
- 0 <= Node.val <= 500
- All the values Node.val are **unique**.
- target is the value of one of the nodes in the tree.
- 0 <= k <= 1000