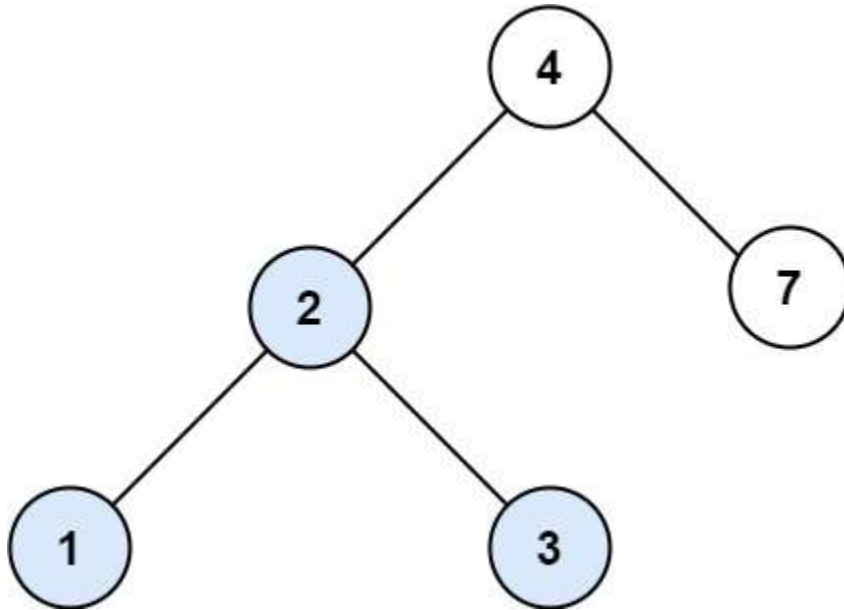# Search in a Binary Search Tree

You are given the root of a binary search tree (BST) and an integer val.

Find the node in the BST that the node's value equals val and return the subtree rooted with that node. If such a node does not exist, return null.
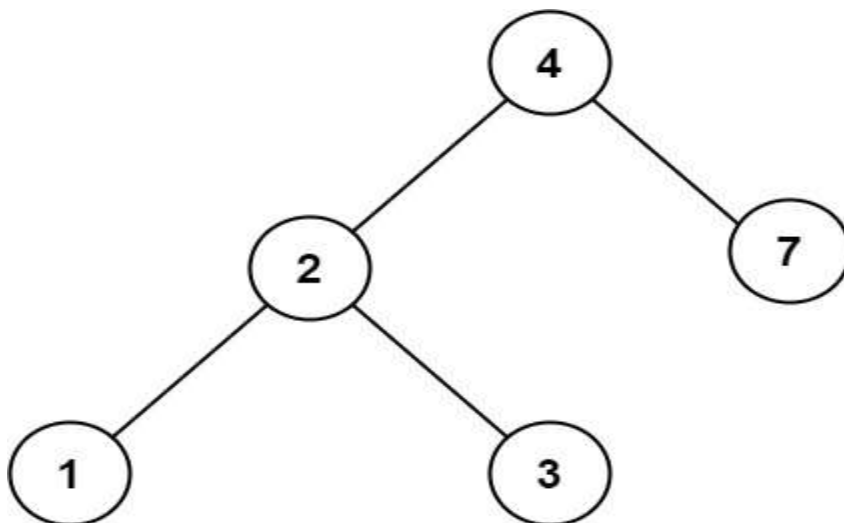
Example 1:

Input: root = [4,2,7,1,3], val = 2

Output: [2,1,3]

Example 2:

Input: root = [4,2,7,1,3], val = 5

Output: []

Constraints:

- The number of nodes in the tree is in the range [1, 5000].
- $1 <= Node.val <= 10^7$
- root is a binary search tree.
- $1 <= val <= 10^7$