



Binary Search Tree Playlist...



Never underestimate
Easy Qns

Video -

3

Facebook }
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→ code story with MIK

Find Mode in Binary Search Tree

Company :- Google

501. Find Mode in Binary Search Tree

Easy

3.2K

696



Companies

Given the root of a binary search tree (BST) with duplicates, return all the mode(s) (i.e., the most frequently occurred element) in it.

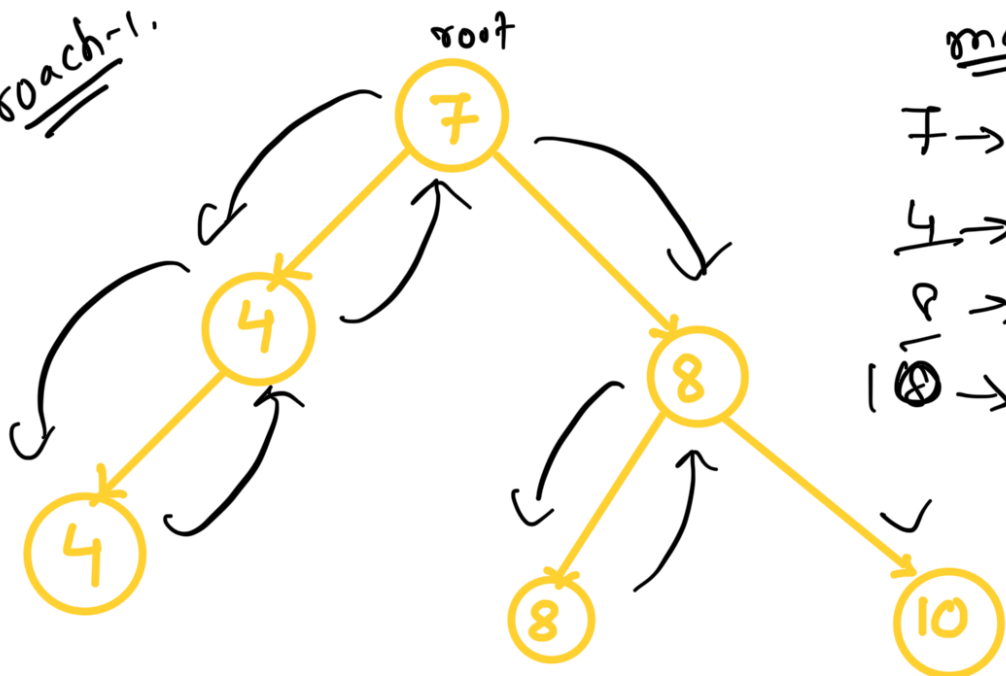
If the tree has more than one mode, return them in **any order**.

Assume a BST is defined as follows:

- The left subtree of a node contains only nodes with keys less than or equal to the node's key.
- The right subtree of a node contains only nodes with keys greater than or equal to the node's key.
- Both the left and right subtrees must also be binary search trees.

Follow UP.

Approach-1.



map. ←

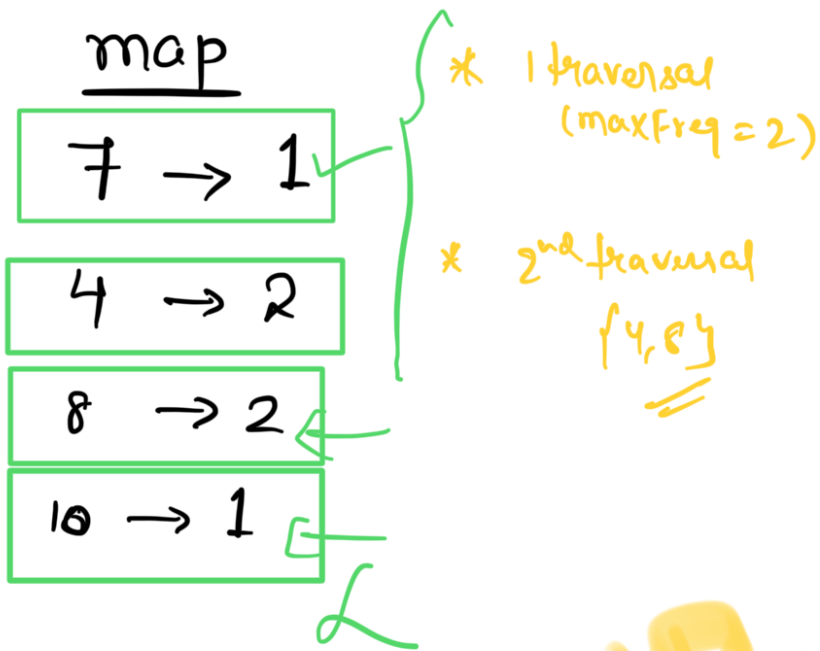
7 → 1

4 → 1+1

8 → 1+1

10 → 1

Extra Space - $O(n)$ space.
T.C = $O(n)$



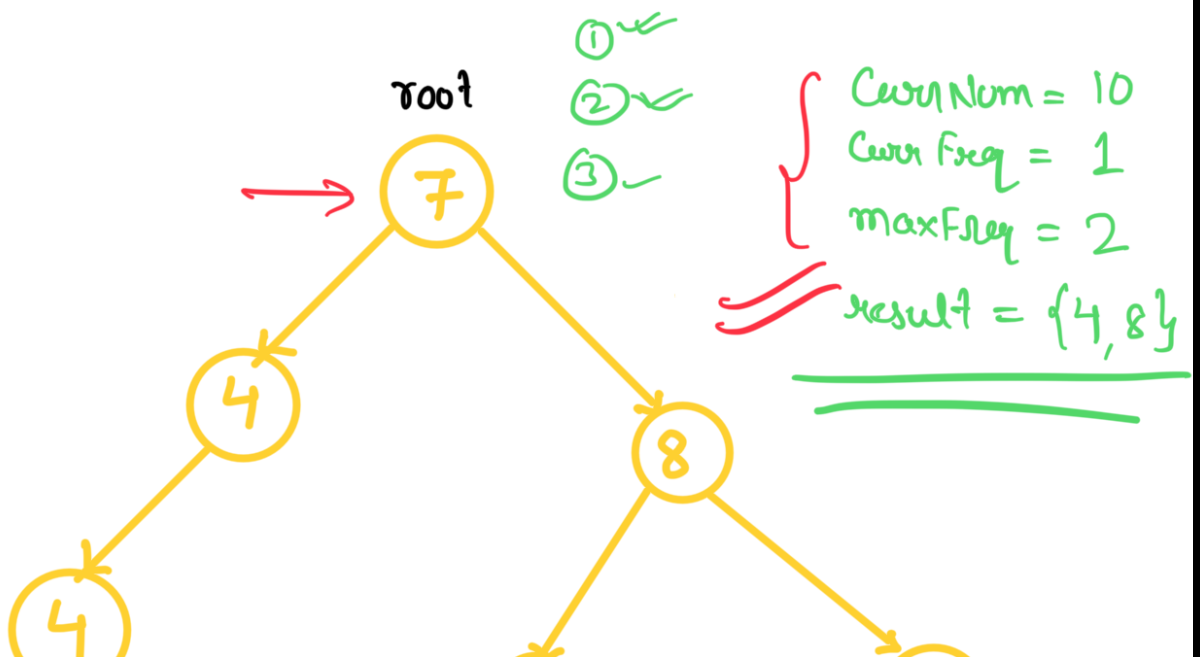
maxFreq = 2
result = {4, 8}

1 traversal
of map.

Follow up

Approach - 2

(O(1) space)



BST (Inorder) \rightarrow Sorted order.