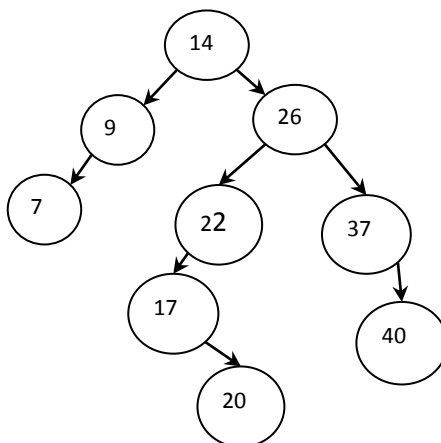


Construct Binary Search Tree (BST)

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1. 10,3,15,22,6,45,65,23,78,34,5
2. 50 ,25 ,75, 22,40,60,80,90,15,30
3. 50, 60, 25, 40, 30, 70, 35, 10, 55, 65, 5
4. 45,56,39,12,34,78,54,67,10,32,89,81
5. 40,65,25,55,10,70,30,50,15,80,75
6. 8,3,11,5,9,12,13,4,6,20
7. 10,15,17,8,9,11,12,13,4,14,5
8. First insert 10 and then insert 24. After these insertions, delete 37 and then delete 22 from the following binary search tree. Draw the tree after each operation.



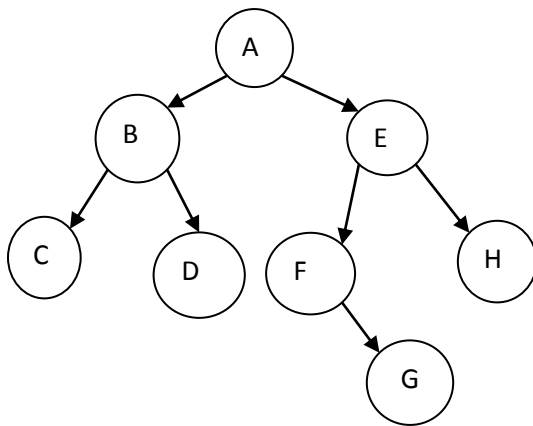
9. 50, 45, 100, 25, 49, 120, 105, 46, 90, 95
10. Insertion sequence of names is Norma, Roger, John, Bill, Leo, Paul, Ken and Maurice
 - (i) Show the behavior of creating a lexically ordered binary tree.
 - (ii) Insert Kirk. Show the binary tree.
 - (iii) Delete John. Show the binary tree.
11. Construct a binary search tree for the following and perform inorder and postorder traversals: 5 9 4 8 2 1 3 7 6
12. Create a binary search tree for the following data. 14, 10, 17, 12, 10, 11, 20, 12, 18, 25, 20, 8, 22, 11, 23
Explain deleting node 20 in the resultant binary search tree.

Book

1. 7,2,9,0,5,6,8,1
2. 7,39,-2,0,3,42,20,5,40
3. DBLFHAN
4. 15,16,5,10,8,19,4,6,17,5,21,18,10,15,6

Draw Right In-threaded, Left In-threaded and Fully In-threaded Binary Tree for given Tree

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