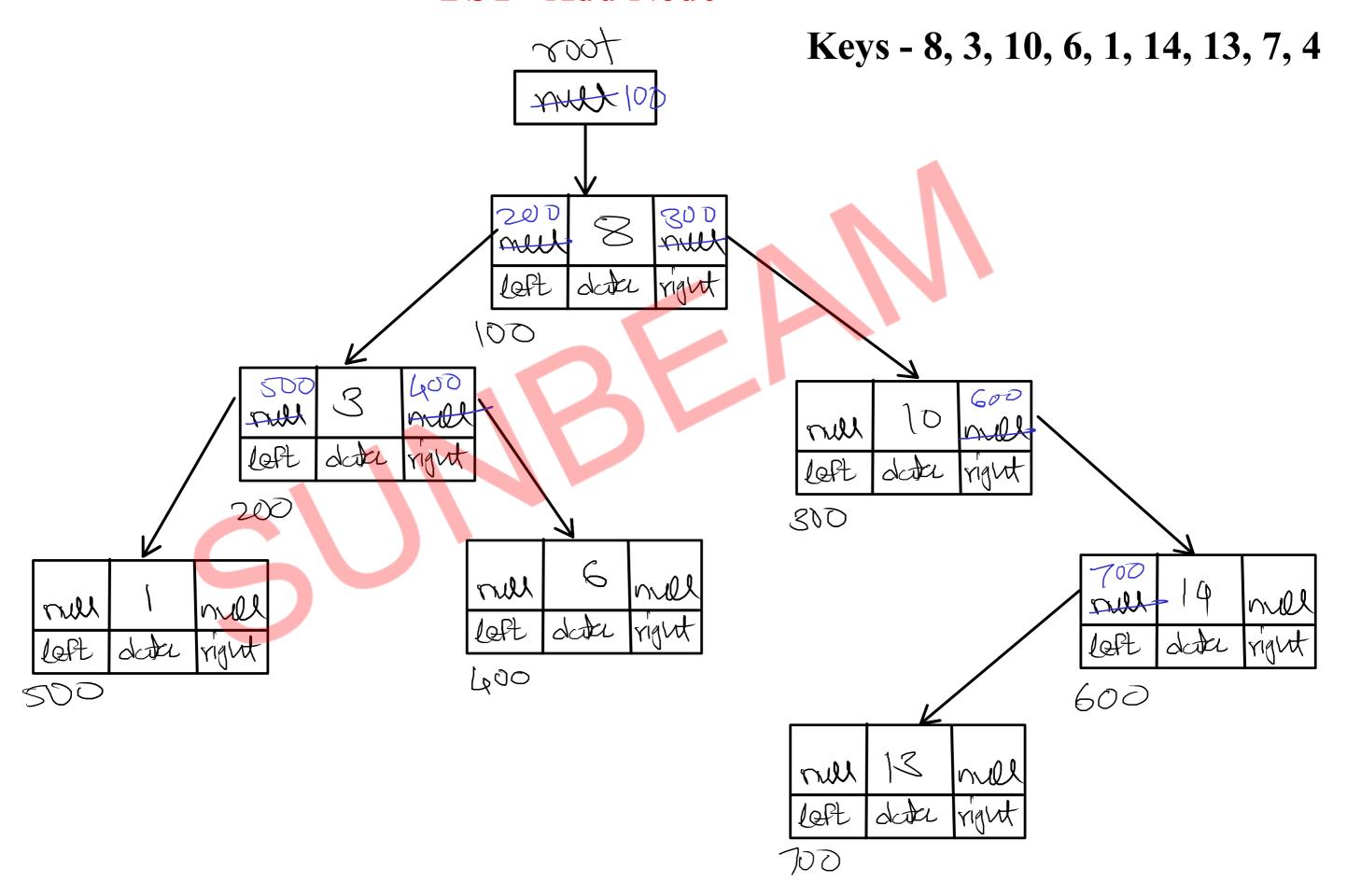
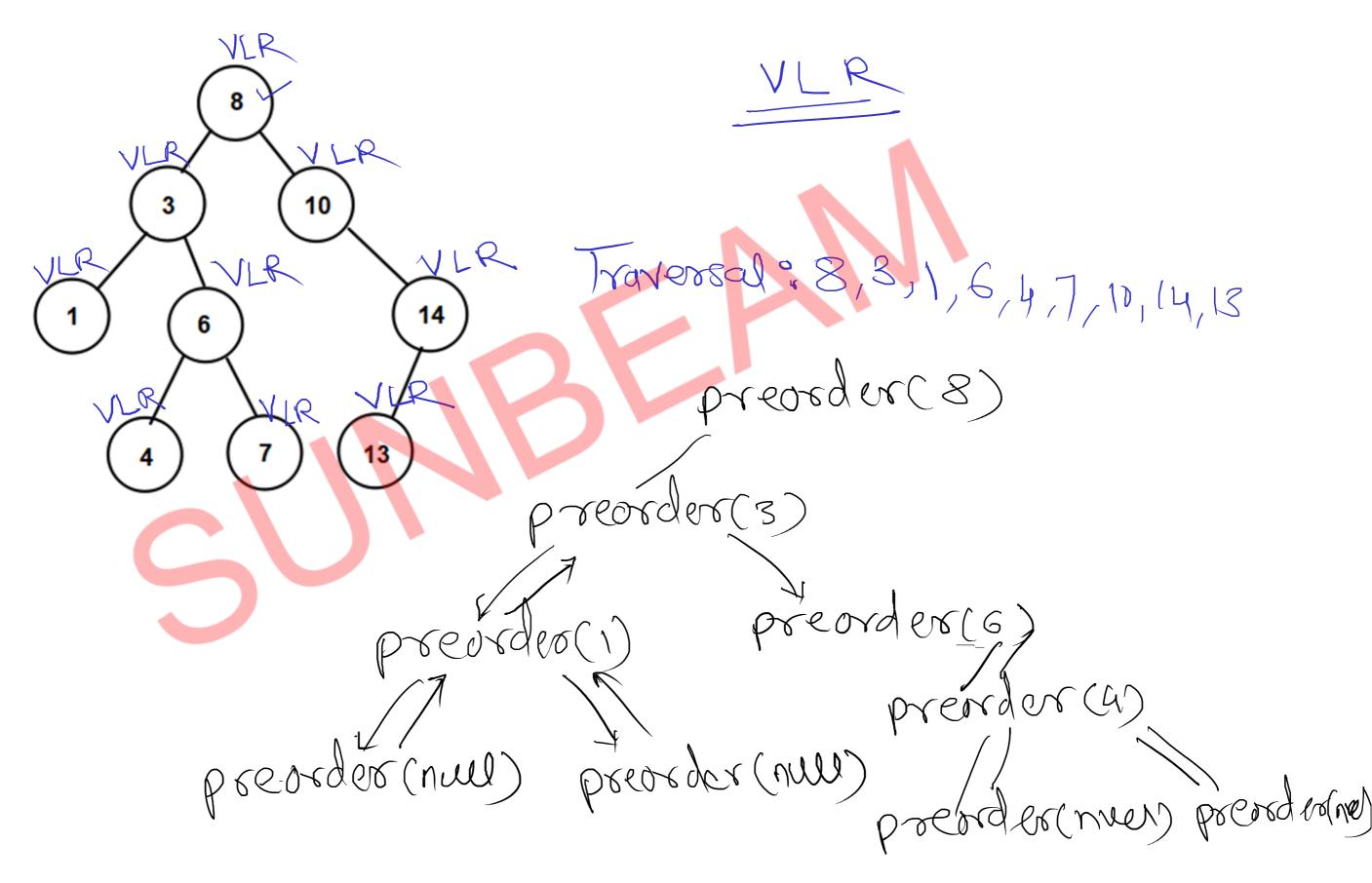
BST - Add Node

```
//1. create a newnode with given data
//2. if tree is empty
     // add newnode into root itself
//3. if tree is not empty
     //3.1 create trav pointer and start at root
     //3.2 if value is less than current node data
         //3.2.1 if left of current node is empty
              // add newnode into left of current node
         //3.2.2 if left of current node is not empty
             // go to left of current node
     //3.3 if value is greater than current node data
         //3.3.1 if right of current node is empty
              // add newnode into right of current node
         //3.3.2 if right of current node is not empty
              // go to right of current node
     //3.4 repeat spep 3.2 and 3.3 till node is not added into BST
```

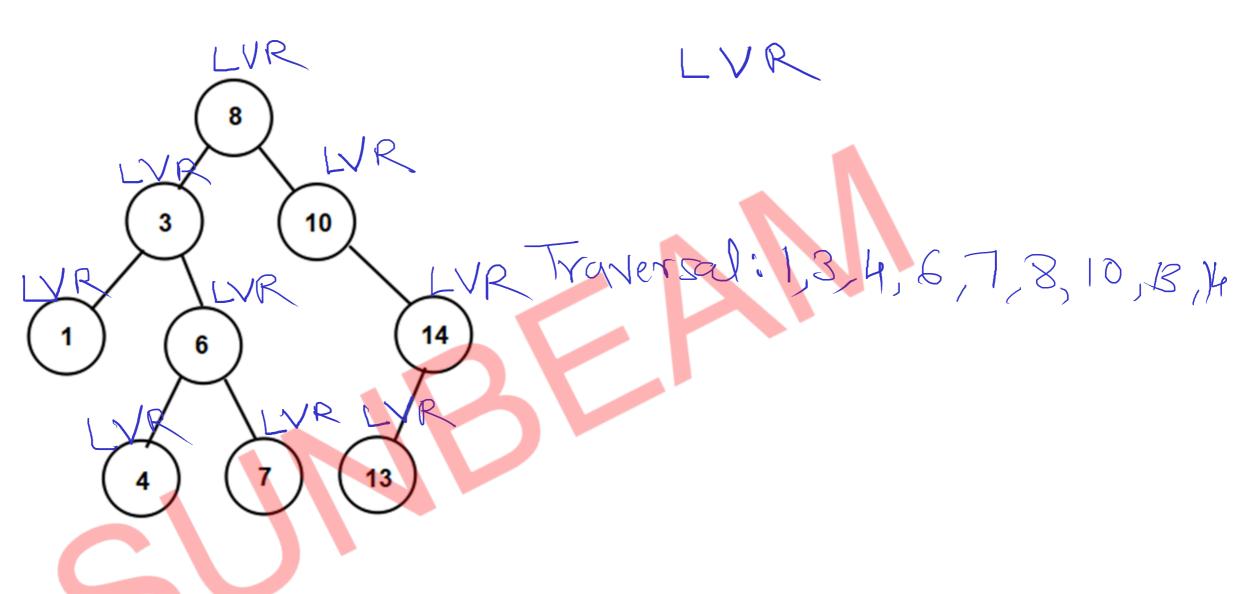
BST - Add Node



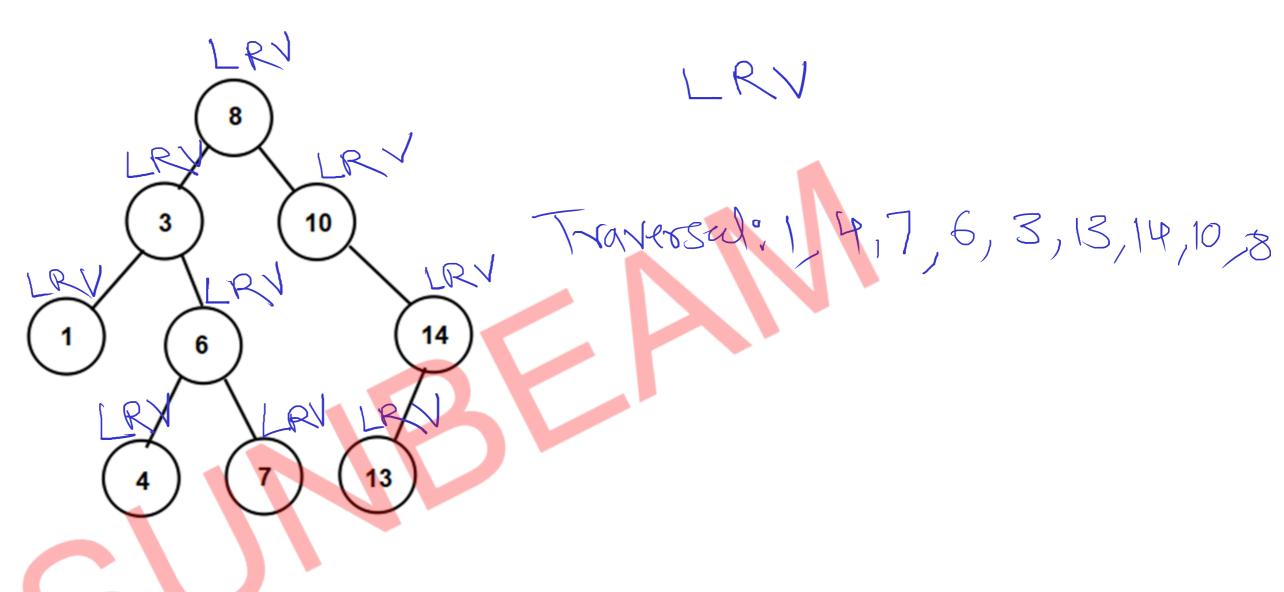
BST - Preorder Traversal



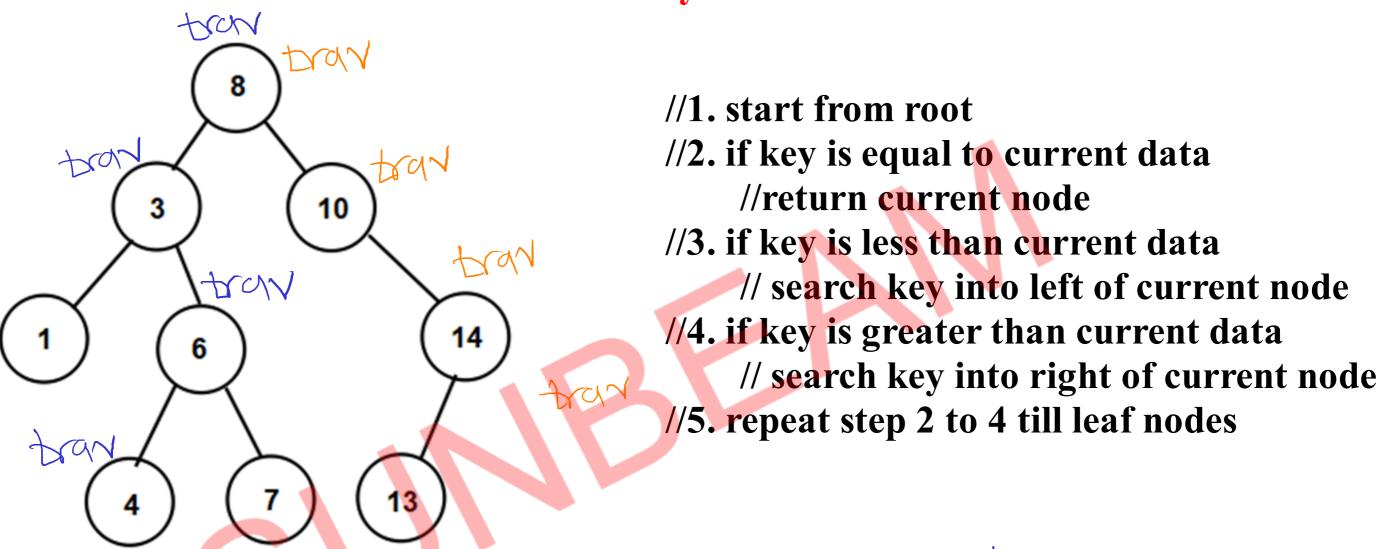
BST - Inorder Traversal



BST - Postorder Traversal

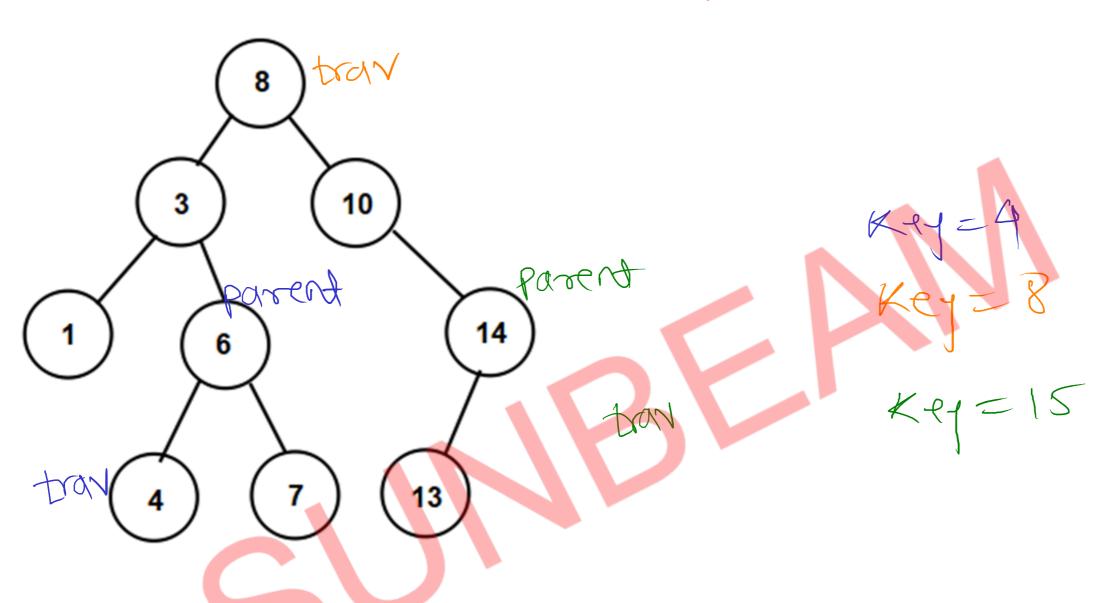


BST - Binary Search

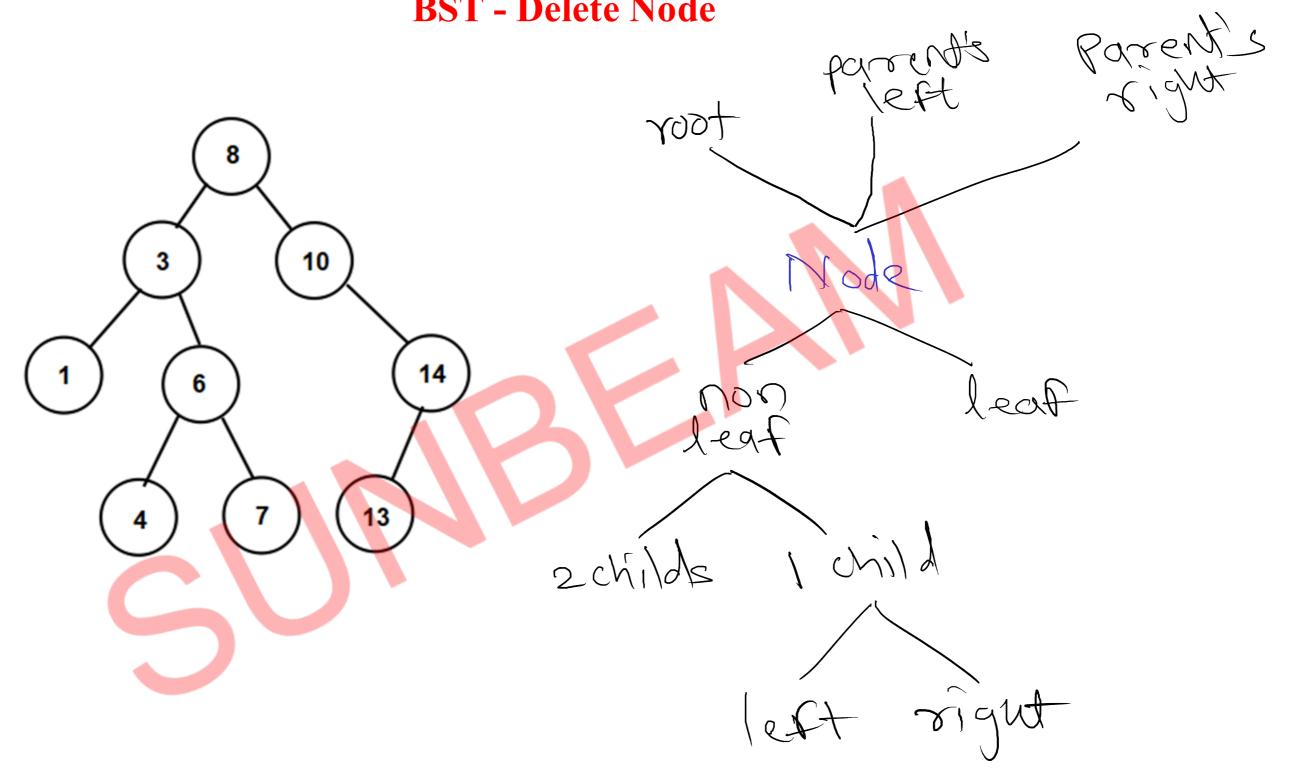


Keg=19 -> found Keg=15 parentenuel

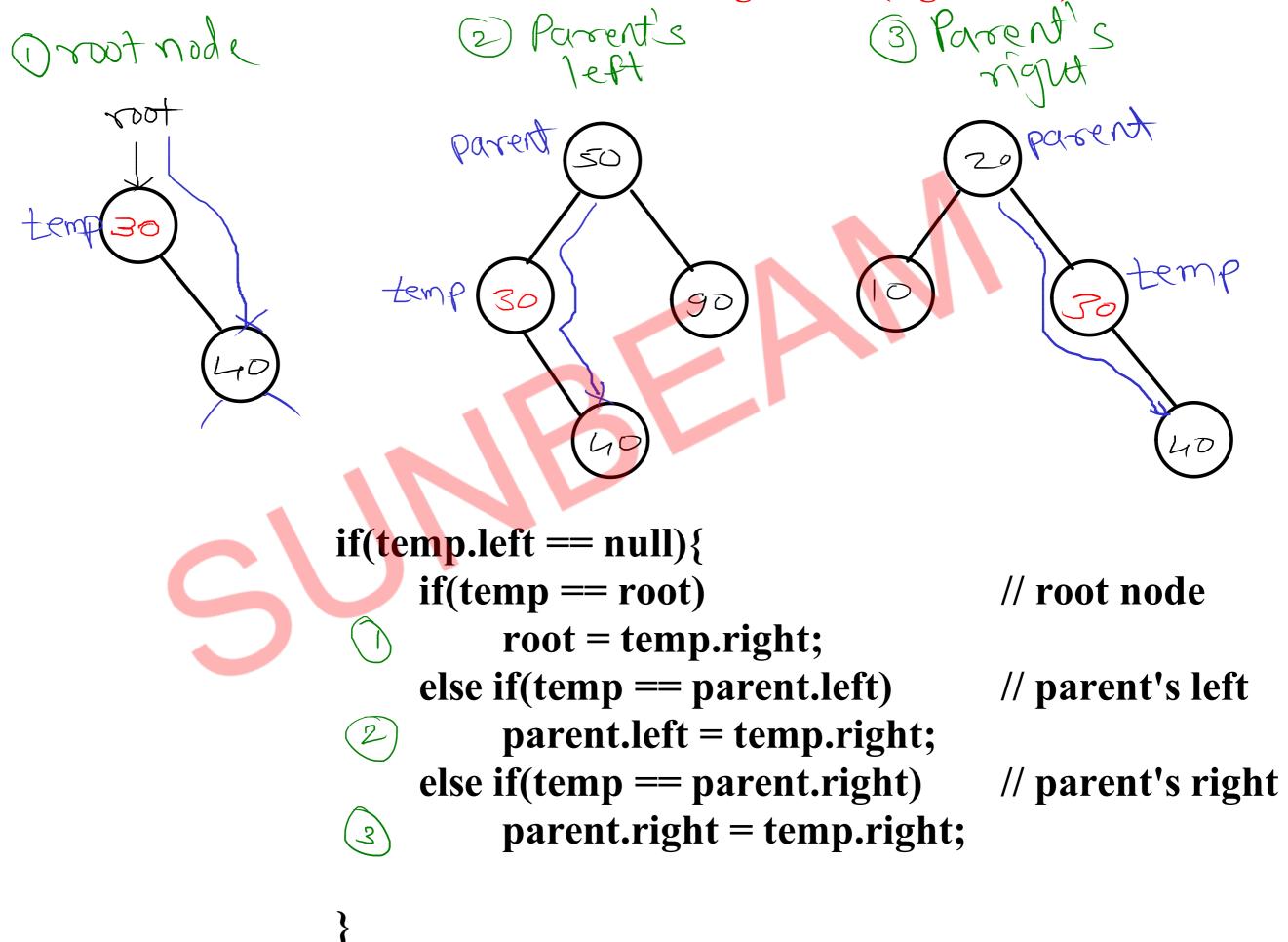
BST - Binary Search with Parent



BST - Delete Node



BST - Delete node which has single child (right child)



BST - Delete node which has single child (lett cnnu)

Parent's

Left

Parent's

Parent if(temp.right == null){ if(temp == root)// root root = temp.left; else if(temp == parent.left) // parent's left parent.left = temp.left; else if(temp == parent.right) // parent's right (z)parent.right = temp.left;

parent

BST - Delete node which has two childs

