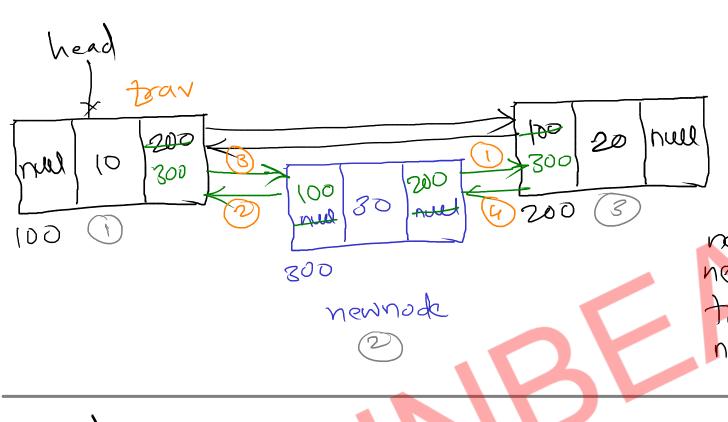
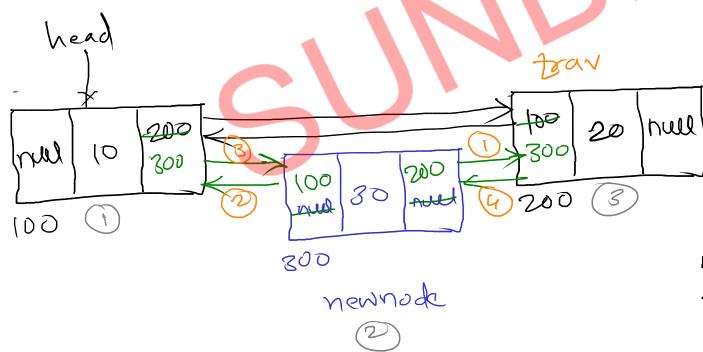


1) traverse till pos-1 note
Note trave head;
for(i=1; i<pos-1 ji+f)
trav=trav.next;
2) create links
newnode.next=trav.next;
trav.next= newnode;



1) traverse till pas-I note
Note trave head;
Forciel; ixpos-I jitt)
travetrav. next;
2) creak links
newnode-next = trav. next;
hervnode-preve trav;
trav. next = newnode;
newnode. next-preve newnode;



1) traverse till pos-1 note
Note trave head;

Forciel; ix pos-1 jitt)

travetrav. next;

2) create links

rewnode-next = trav;

nervnode-next = trav;

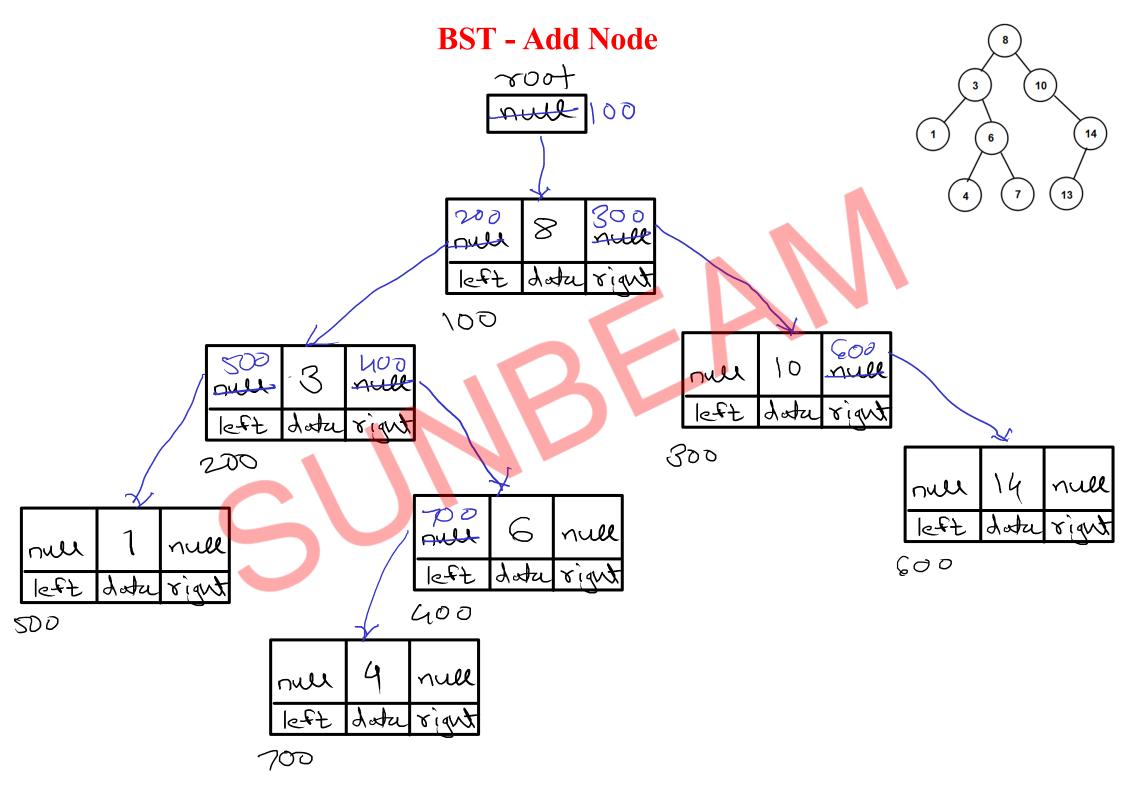
prev:

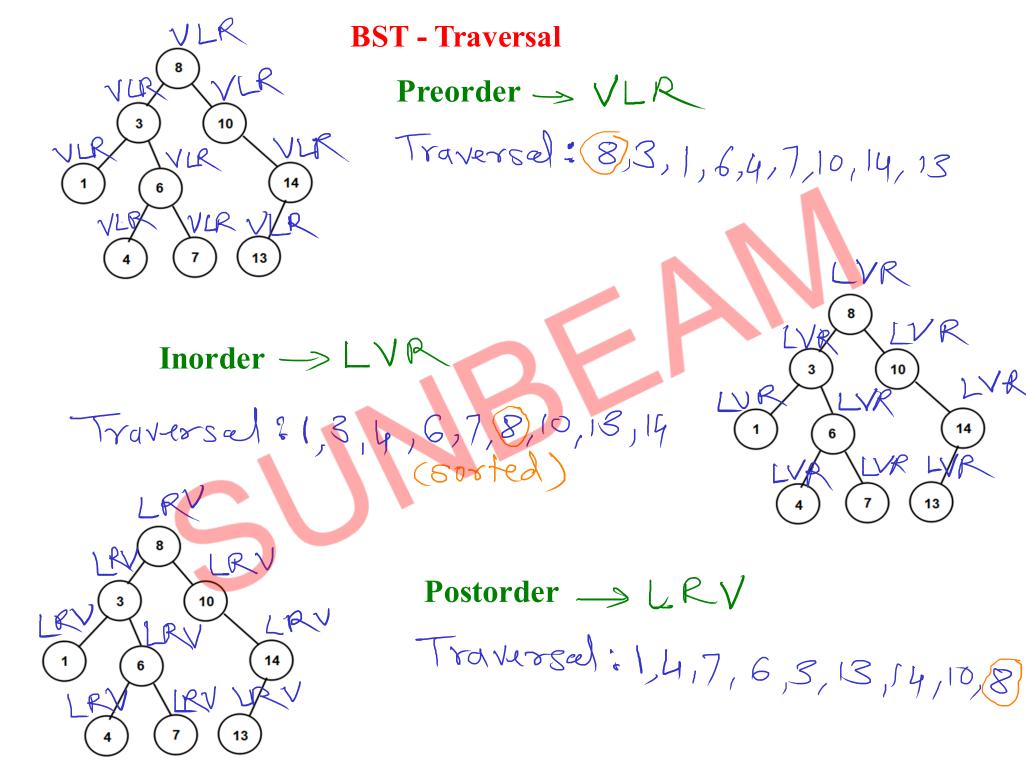
trav. prev = newnode.

newnode. prev. next = newnode

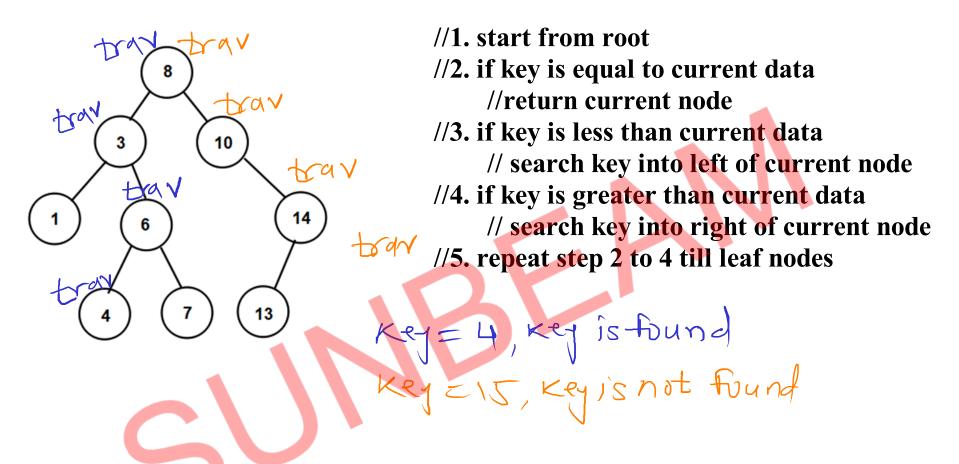
## **BST - Add Node**

```
//1. create node with given value
//2. if BST is empty
    //add newnode into root itself
//3. if BST is not empty
    //3.1 create trav and start at root node
    //3.2 if value is less than current data (trav.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 into left of current node
    //3.3 if value is greater or equal than current data (trav.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 into right of current node
    //3.4 repeat step 3.2 or 3.3 untill node is added into BST
```

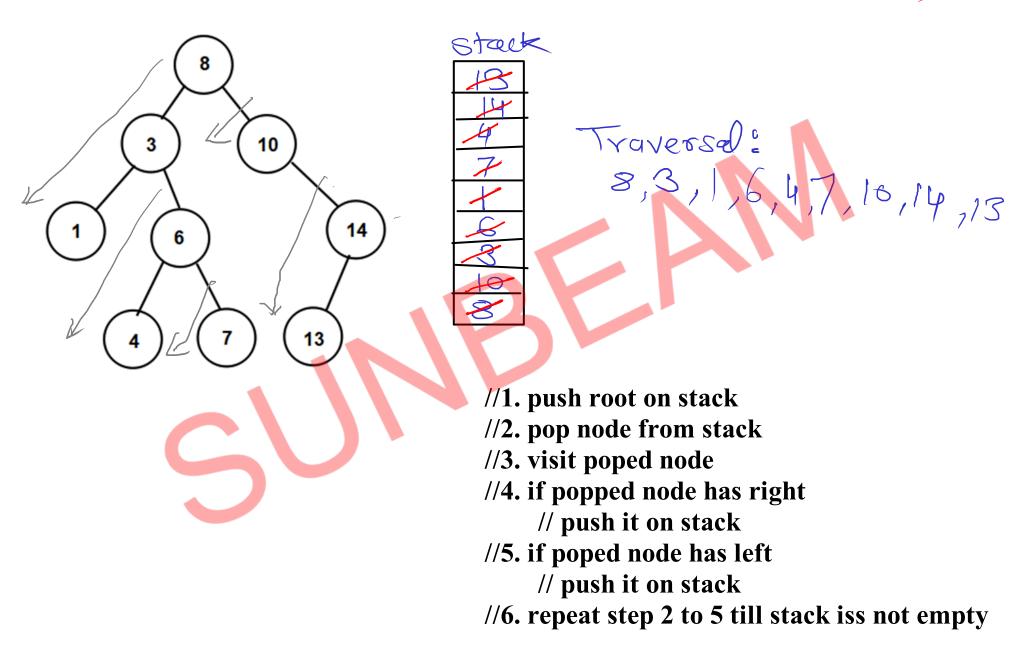




## **BST - Binary Search**



## BST-DFS (Depth First Search)



## BST-BFS (Bredth First Seench)

