



```
Example
 Tree
                    10
call add Up (8, root)
public AVLNode addUp(int num, AVLNode rootNode){
   if(num==root.data) return root;}
   if(rootNode==null) return null;} Passes all Guard clause
   insert(num);
   AVLNode node =finds(num);
A new AVINode is inserted & node points to it.
  if(rootNode==this.root){
  while(node.parent!=nult){
    node = node.parent;
    node = helper(num, node);
}
root node passed into method
                               node now point, to 5
                                 & helper (8, node) is called
 -> condition met & rotation is performed
                                                          connection of node to & node 8

15 is made
                                             but node. parent = 10 + null so loop continues
                                             helper (8, node) is called
                                                                  Refers to node 10
```