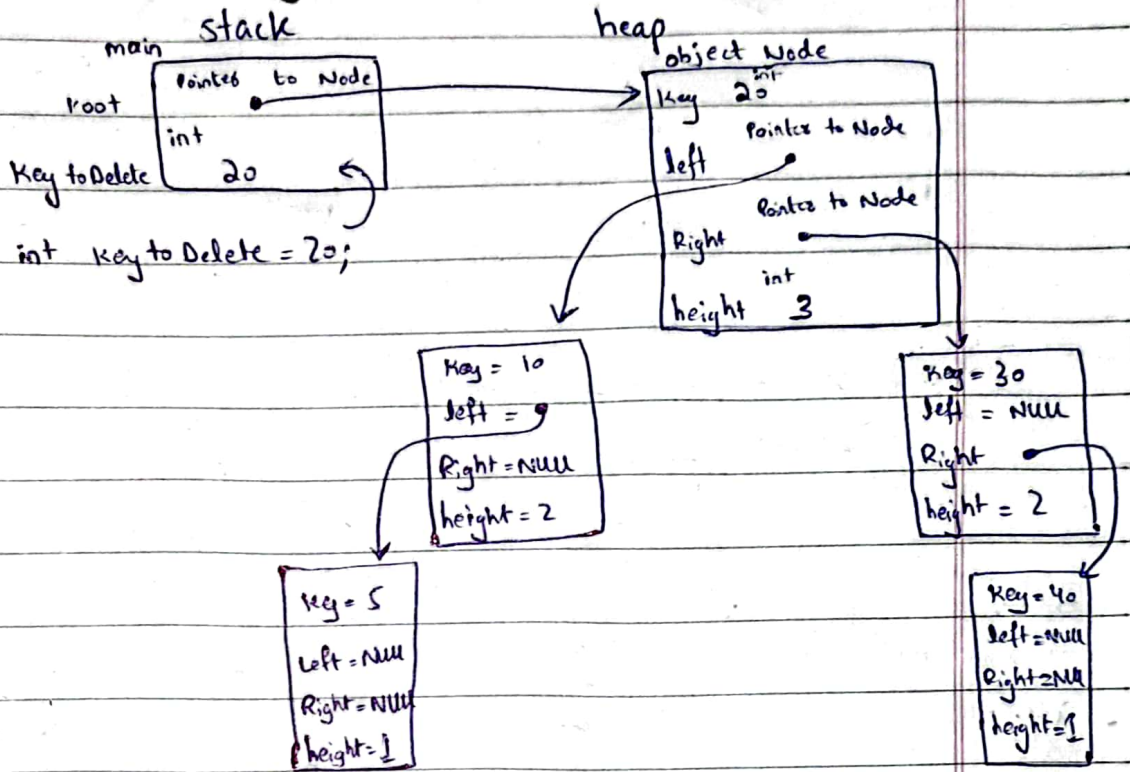


Node* returns a pointer to the node

Day: _____

Date: _____

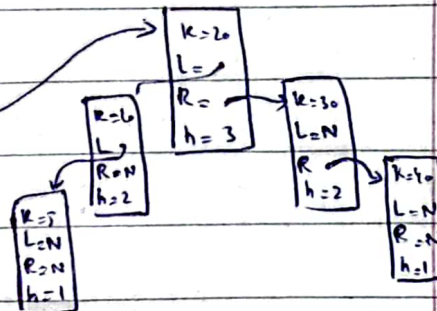
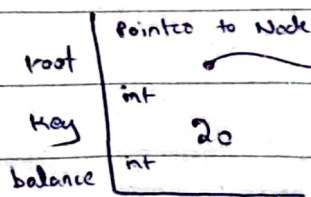
Day Run Deletion



root = deleteNode (root, ²⁰key to Delete) function call.

Stack

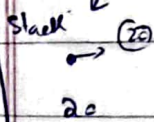
deleteNode (Node*, int)



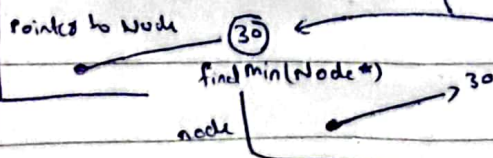
above condition skip

else {

Node with two children

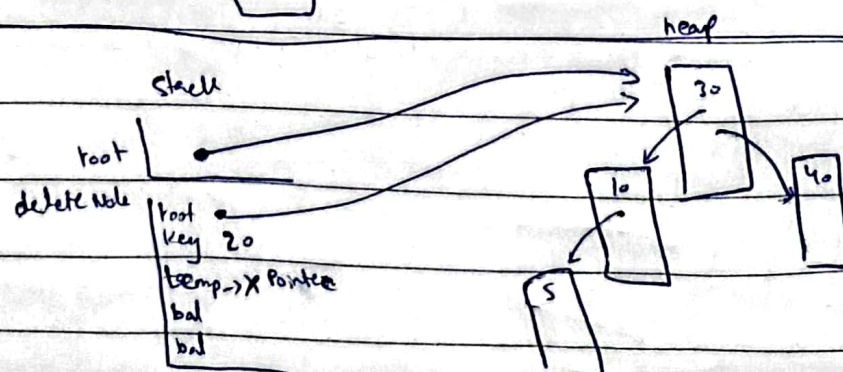
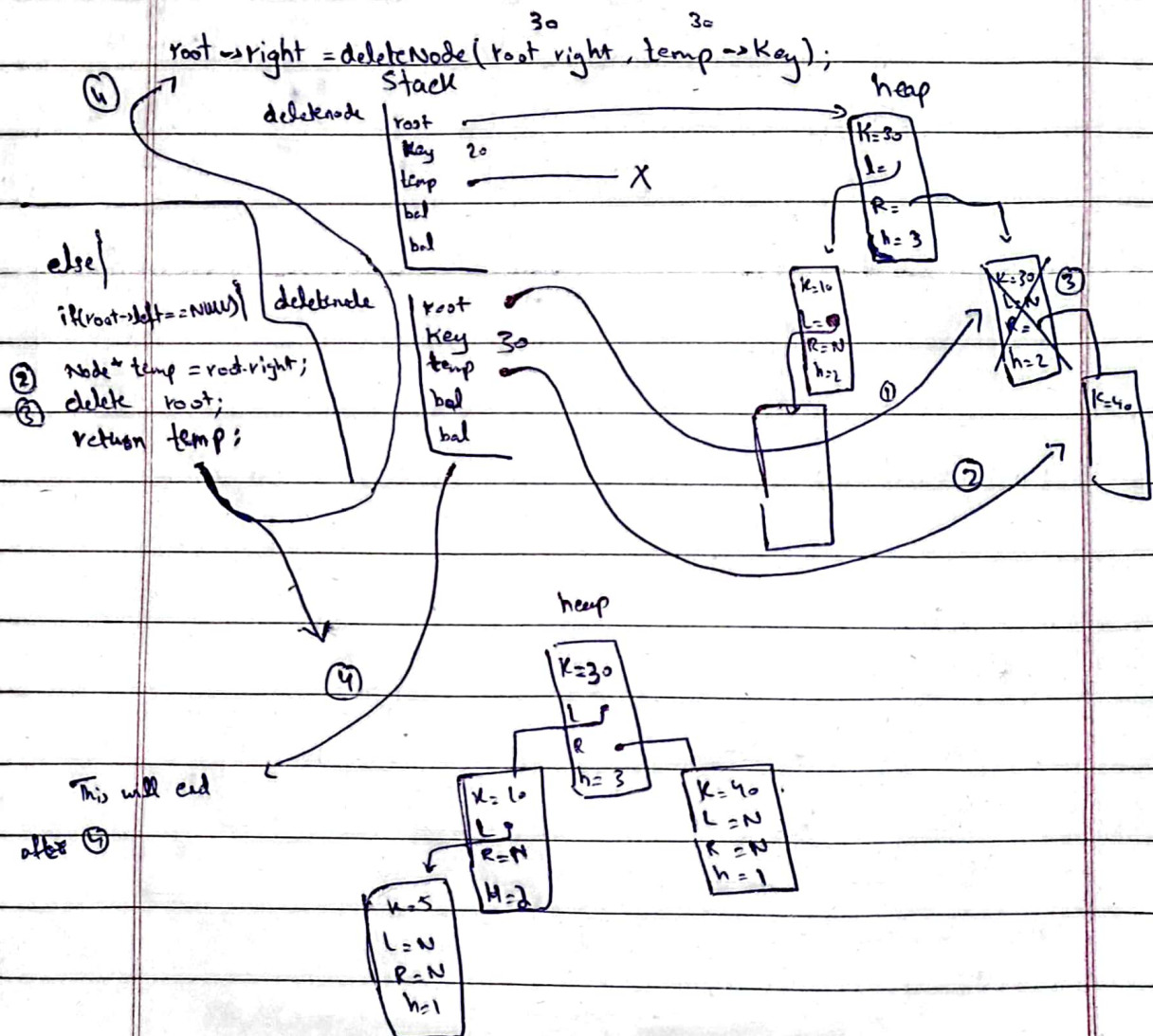
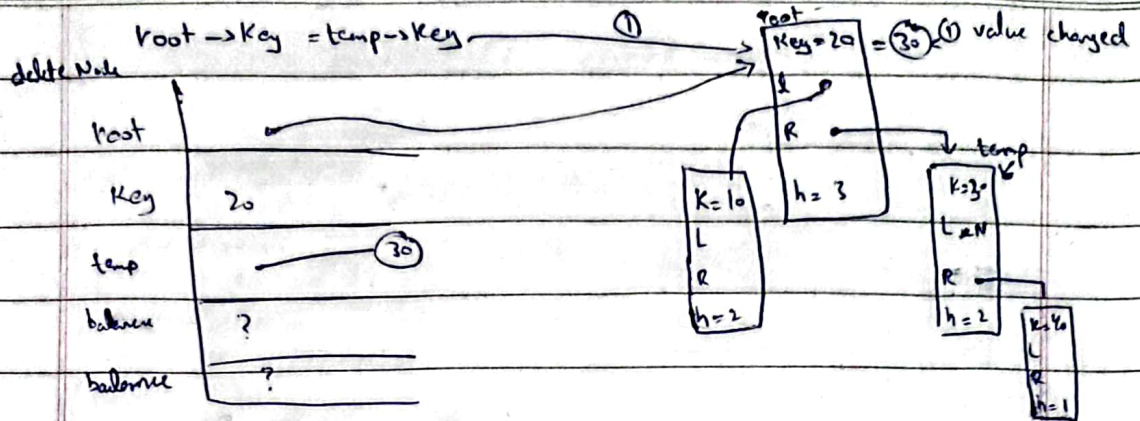


Node* temp = findmin (root->right) Jump to function.

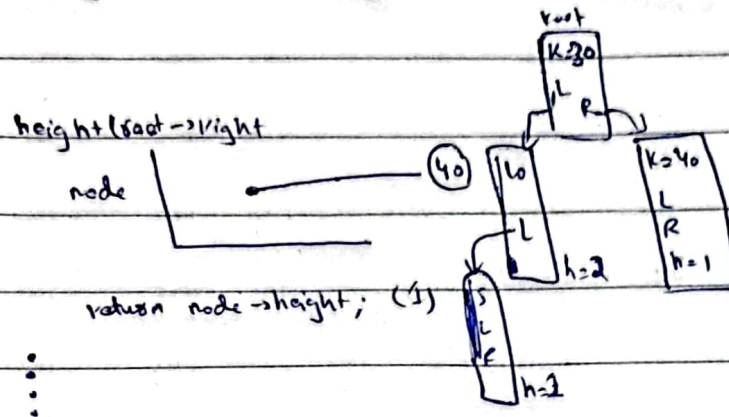


Node* findmin (Node* node) {
skip while (node->left != NULL)
return node;

Date: _____



$\text{root} \rightarrow \text{height} = 1 + \max(\text{height}(\text{root} \rightarrow \text{left}), \text{height}(\text{root} \rightarrow \text{right}));$



$1 + \max(2, 1)$

main list, int

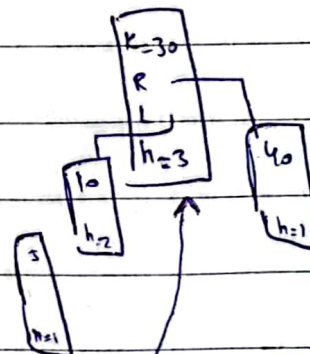
a | 2
b | 1

return 2)

$\text{root} \rightarrow \text{height} = 1 + 2 = 3$

~~int~~ int balance = getbalance(root)

(3)



int getbalance(Node*)

node

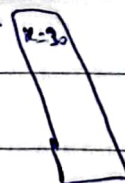
return height(node-left) - height(node-right)

$2 - 1 \Rightarrow 1$
Same

height for both

deletenode

root |
key | 20
temp | x
bal | 1



no condition will run because

tree is balance.