Level Order Traversal (using queue)

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Level Oxdex Traverson Llusing

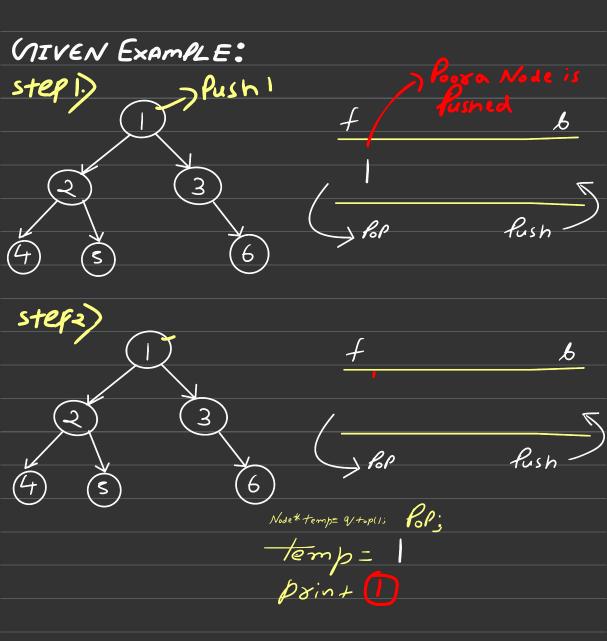
queue<Node*>9;

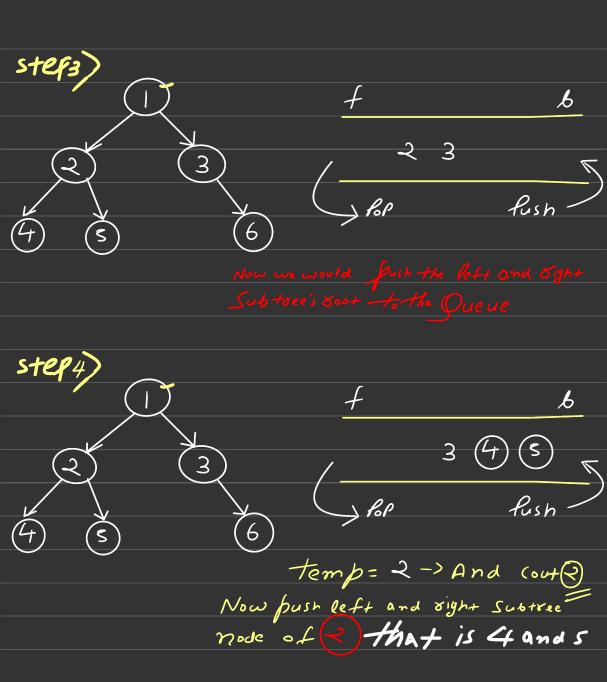
1) Node* temp= V.front(), V. Por(),

Point ... 2) push temp-) left & temp-) sight to gueve

Wooking Mechanisms Node* temp= V. front(); V.Pop(); cout << temp -> Valj if (+emp-) & igh+ != NULL){ V. Push (temp-) right) if (temp=)left !=NULL){ V. Rush (temp.) left) Now checking for the working mechanism of this logic lets just apply the Code... for the given ABOVE Made with Goodnotes

Workflow of Code:





steps)

f

b

4 (5) 6

Rop Rush

Temp= 3 -> And (out 3)

Now push left and sight Subtree

(1) and 5 node of 3 that is 4 and 5 Find Now When we have the last level element within the Queue without Any pooblem and that too in an oxganised manne &... Jo Now: 4 will be printed and popped Then S will be printed and popped 6 will be printed and popped Made with Goodhotes Boot Mode push Modi hoga ...

Code Snippet:

for test case:-

```
codc:-
void level_wise_display(node* root, queue<node*>&q){
   if(root == NULL) return;
   q.push(root);
   while(q.size()>0){
      node* temp = q.front();
      q.pop();
      cout<<temp->val<<" ";
      if(temp->left != NULL) q.push(temp->left);
      if(temp->right != NULL) q.push(temp->right);
};
```

Output:-

```
1 2 3 4 5 6 7
PS C:\Users\victu
```

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