Left View of Binary Tree

Easy Accuracy: 37.86% Submissions: 100k+ Points: 2

Given a Binary Tree, print Left view of it. Left view of a Binary Tree is set of nodes visible when tree is visited from Left side. The task is to complete the function **leftView()**, which accepts root of the tree as argument.

Left view of following tree is 1 2 4 8.

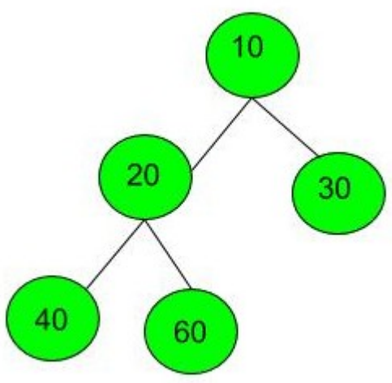
```
    1
  /   \
 2     3
/  \  /  \
4  5 6   7
 \
  8
```

Example 1:

```
Input:
   1
 /  \
3    2
Output: 1 3
```

Example 2:

```
Input:
```




```
Output: 10 20 40
```

Your Task:
You just have to **complete** the function **leftView()** that prints the left view. The newline is automatically appended by the driver code.
Expected Time Complexity: O(N).
Expected Auxiliary Space: O(Height of the Tree).

Constraints:
0 <= Number of nodes <= 100
1 <= Data of a node <= 1000

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Output Window

You get marks only for the first correct submission if you solve the problem without viewing the full solution.

Problem Solved Successfully

Test Cases Passed: **603**/ 603

Total Time Taken: **0.2**/1.42

Correct Submission Count: **4**

Attempts No.: **6**

```
132  void solve(Node* root, vector<int>& ans, int level){
133      if(root == NULL)
134          return;
135      if(level >= ans.size())
136          ans.push_back(root->data);
137
138      solve(root->left, ans, level + 1);
139      solve(root->right, ans, level + 1);
140      return;
141  }
142  vector<int> leftView(Node *root)
143  {
144      // Your code here
145      vector<int> ans;
146      if(root == NULL)
147          return ans;
148      solve(root, ans, 0);
149      return ans;
150  }
151
```

Discussions

bipulharsh123 4 days ago

+1

```
void getLeftView(Node *ptr, vector<int>&result, i
  if(!ptr)
    return;
  if(level > result.scd ize())
    result.push_back(ptr->data);
  getLeftView(ptr->left, result, level+1);
  getLeftView(ptr->right, result, level+1);
}
//Function to return a list containing elements of l
```

Average Time: 20m
Your Time: 16m

Compile & Run Submit