```
107     int solve(Node* root, bool& ans){
108         if(root == NULL)
109             return 0;
110
111         int l = solve(root->left, ans);
112         int r = solve(root->right, ans);
113
114         if(abs(l - r) > 1)
115             ans = (ans && false);
116         return(max(l,r) + 1);
117     }
118     bool isBalanced(Node *root)
119     {
120         //  Your Code here
121         bool ans = true;;
122         solve(root, ans);
123         return ans;
124     }
125 };
126
127
128   // } Driver Code Ends
```

Related Courses

Related Interview Experiences

We are replacing the old Disqus forum with the new Discussions section given below. Click here (https://practice.geeksforgeeks.org/comments/check-for-balanced-tree/1/?rel=https://practice.geeksforgeeks.org/problems/check-for-balanced-tree/1) to view old Disqus comments.

Discussions (450 Threads)

swatibovi 21 hours ago

0

Anyone getting TLE for the recursive solution?

```
boolean isBalanced(Node root)
 {
   if(findHeight(root) == -1)
     return false;
  else
    return true;
 }

 int findHeight(Node node){

   if(node == null)
     return 0;
   if(findHeight(node.left) == -1 || findHeight(nc
     return -1;
   if(Math.abs(findHeight(node.left) - findHeight
     return -1;
   return 1 + Math.max(findHeight(node.left), fin
 }
```

Reply Open Externally

ialtafshaikh 4 days ago

+1

Python Solution using max height of Binary Tree |

```
class Solution:
 def isBalanced(self,root):
   return self.maxHeight(root) != -1

 def maxHeight(self, root):

   if(root is None):
     return 0

   lh = self.maxHeight(root.left)

   if(lh == -1): return -1

   rh = self.maxHeight(root.right)

   if(rh == -1): return -1

   # balanced tree condition
   # abs()=> it will remove the negative sign of the
   if(abs(lh-rh) > 1): return -1

   return 1 + max(lh, rh)
```

Reply Open Externally

satviksingh35 6 days ago

0

```
class Solution{
  public:
  int check(Node* node, int height, bool &ans){
    if(node==NULL) return height;
    int lh = check(node->left, height+1, ans);
```

Output Window

Problem Solved Successfully

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

Test Cases Passed: **141** / 141

Correct Submission Count: **5**

Total Time Taken: **0.39** /1.5

Attempts No.: **6**

Average Time: 20m
Your Time: 8m

Compile & Run Submit