Normal BST to Balanced BST

Given a Binary Search Tree, modify the given BST such that it is balanced and has minimum possible height. Return the balanced BST.

Example1:

```
Input:
        30
       /
      20
     /
    10
Output:
      20
    /   \
  10     30
```

Example2:

```
Input:
          4
         /
        3
       /
      2
     /
    1
Output:
       3              3            2
     /   \          /   \        /   \
    1     4   OR   2     4  OR  1     3
     \           /                     \
      2         1                       4
```

Your Task:
The task is to complete the function **buildBalancedTree()** which takes root as the input argument and returns the root of tree after converting the given BST into a balanced BST with minimum possible height. The driver code will print the height of the updated tree in output itself.

Expected Time Complexity: O(N)
Expected Auxiliary Space: O(N)
Here N denotes total number of nodes in given BST.

Constraints:
$1 <= N <= 10^5$
$1 <=$ Node data $<= 10^9$