

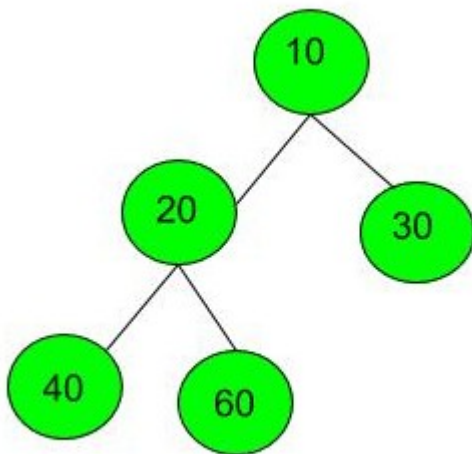
Left View of Binary Tree(GFG)

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
```



Output: 10 20 40

```
def LeftView(root):

    # code here
    res=[]
    seen = set()
    helper(root, res, 0, seen)
    return res

def helper(root, res, level, seen):
    if root is None:
```

```
        return
    if level not in seen:
        seen.add(level)
        res.append(root.data)
    helper(root.left, res, level+1, seen)
    helper(root.right, res, level+1, seen)
```

```
from collections import deque
```

```
#Function to return a list containing elements of left view of the binary tree.
```

```
def LeftView(root):
    ans = []
    queue = deque()

    if root is None:
        return []
    queue.appendleft(root)

    while True:
        n = len(queue)
        if n==0:
            break
        count = 0
        while count<n:
            temp = queue.popleft()
            if count==0:
                ans.append(temp.data)
            if temp.left:
                queue.append(temp.left)
            if temp.right:
                queue.append(temp.right)
            count = count+1
    return ans
```