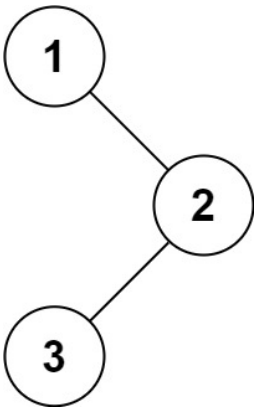
144. Binary Tree Preorder Traversal

Easy 4496 135 Add to List Share

Given the `root` of a binary tree, return *the preorder traversal of its nodes' values.*

Example 1:




```
Input: root = [1,null,2,3]
Output: [1,2,3]
```

Example 2:

```
Input: root = []
Output: []
```

Example 3:

```
Input: root = [1]
Output: [1]
```

Constraints:

- The number of nodes in the tree is in the range `[0, 100]`.
- `-100 <= Node.val <= 100`

Follow up: Recursive solution is trivial, could you do it iteratively?

C++

```
node.
 * struct T
 *     int
 *     Tree
 *     Tree
 *     Tree
left(nullpt
 *     Tree
left(nullpt
 *     Tree
*left, Tree
val(x), lef
{}
 * };
 */
class Solut
public:
    vector<
preorderTra
root) {
        if(

        }
        vec
        sta
stack{{root

        whi

stack.pop()

>val);



>right);


>left);

        }
        ret
    }
};
```

Testcase Run Code Re

Accepted Runti

Your input [1,

Output [1,

Expected [1,