

Return Binary Post-order Traversal

Question: Given a binary tree, return the postorder traversal of its nodes' values.

For example:

Given binary tree {1,2,3},

1

\

2

/

3

return [3,2,1].

Solutions:

```
class TreeNode:
```

```
    def __init__(self, x):
```

```
        self.val = x
```

```
        self.left = None
```

```
        self.right = None
```

```
class Solution:
```

```
    def postorderTraversal(root):
```

```
        if root == None:    return []
```

```
        stackPrepare = [root]
```

```
        stackReady = []
```

```
        result = []
```

```
        while len(stackPrepare) != 0 :
```

```
            current = stackPrepare.pop()
```

```
            stackReady.append(current)
```

```
            if current.left != None: stackPrepare.append(current.left)
```

```
            if current.right != None: stackPrepare.append(current.right)
```

```
        while len(stackReady) != 0:
```

```
            result.append(stackReady.pop().val)
```

```
        return result
```

```
if __name__ == '__main__':
```

```
    BT, BT.right, BT.right.left = TreeNode(1), TreeNode(2), TreeNode(3)
```

```
    print ( Solution. postorderTraversal (BT) )
```