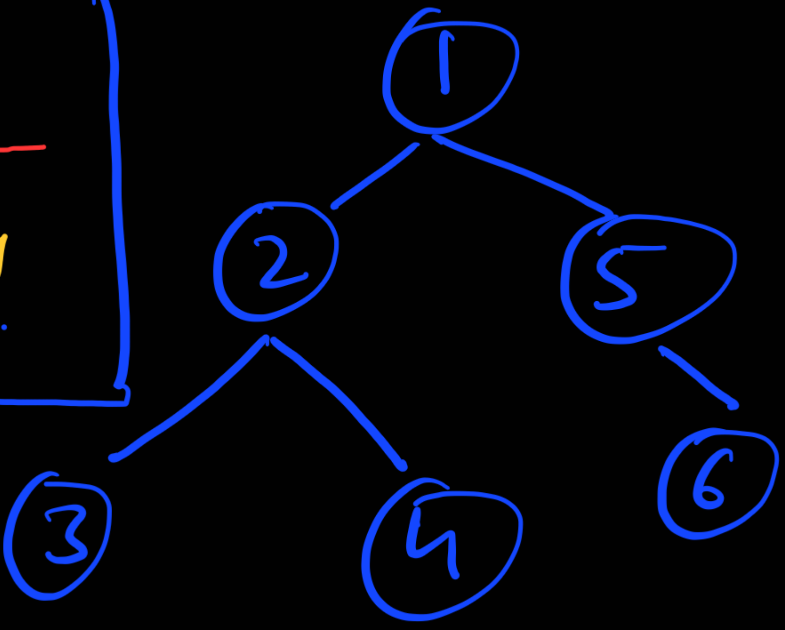
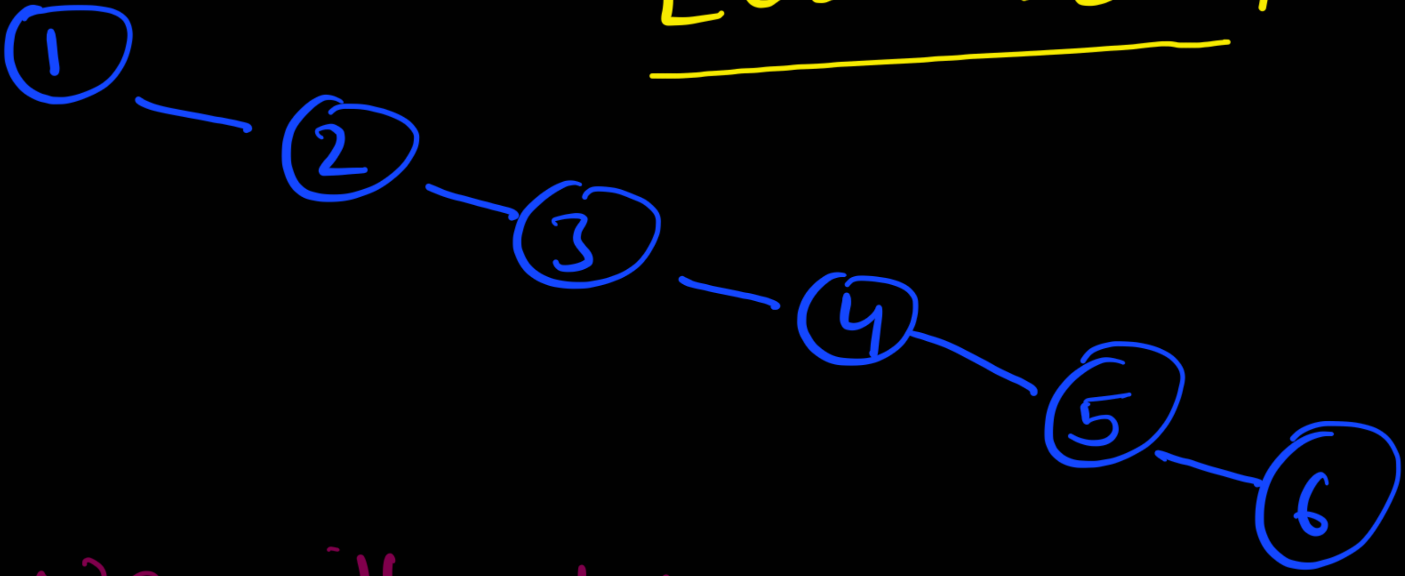
Flatten Binary Tree to Linked List.

★ This we will do using a Pre-order Traversal.



Answer

LEETCODE 114



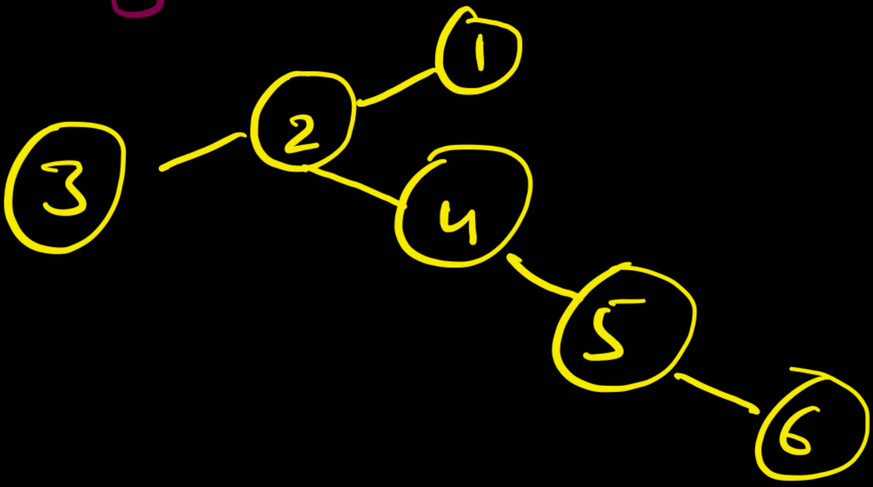
- we will put the right portion of the current node to the right most empty part of left side subtree.

Let assume current Node => 1

```
while (currentNode.left != null) {
 if(current.left != null){
```

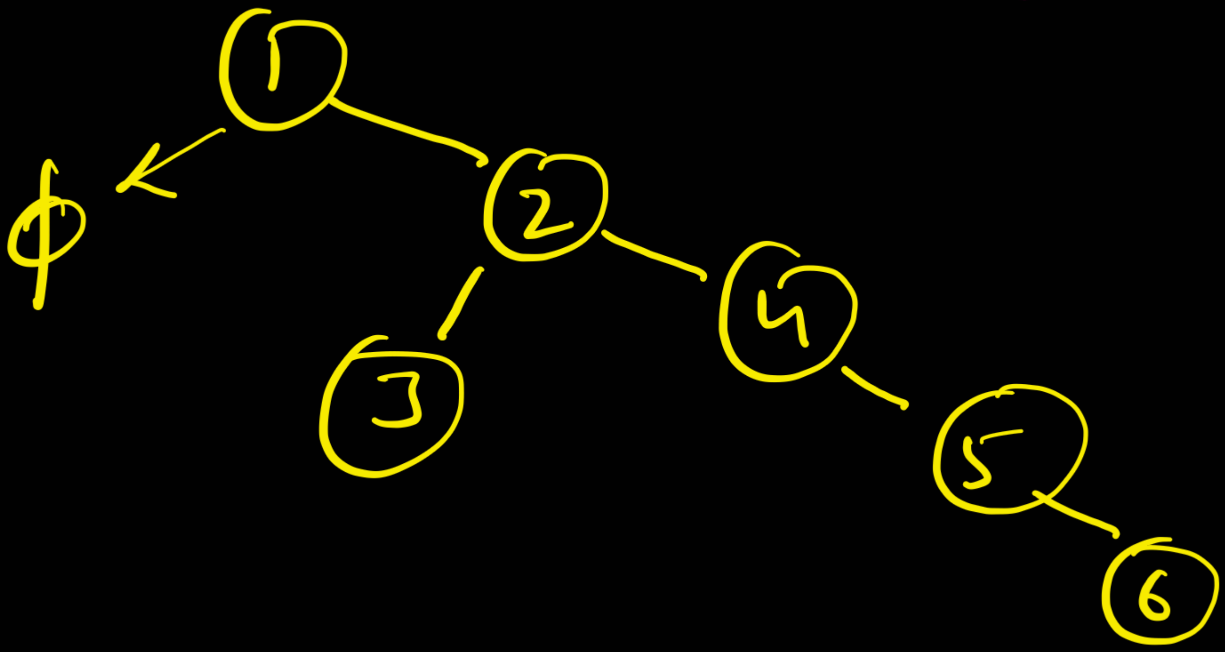
Then put the right subtree to the right most empty part of the left subtree.

```
  temp = currentNode.left
  while(temp.right != null) {
        temp = temp.right
  }
  temp.right = currentnode.right
```



Then put here entire left subtree to right.

```
currentNode.right = currentNode.left
```



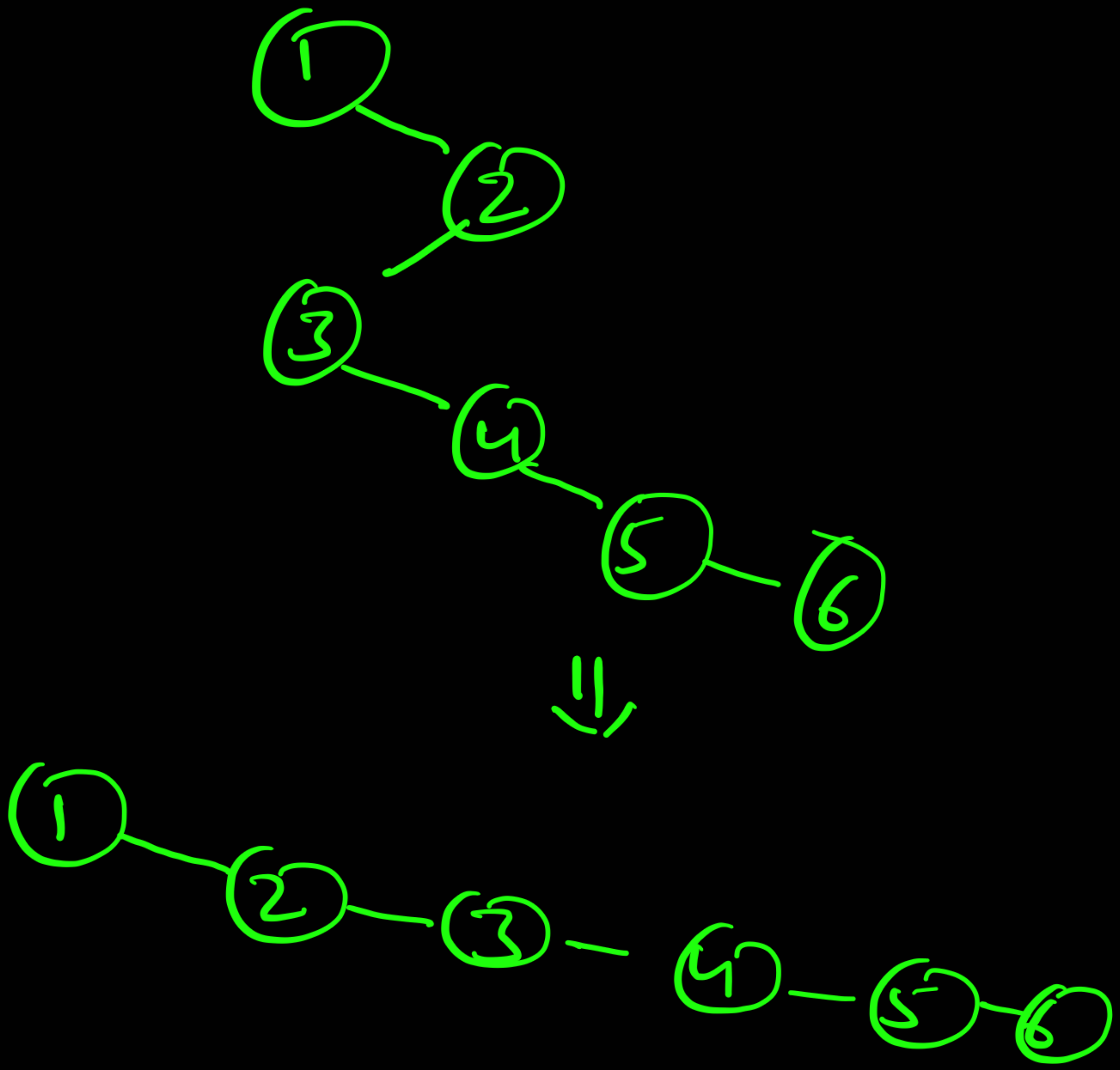
```
currentNode.left = null;

currentNode = currentNode.right;

}
```

Now currentNode will be 2.

Again this entire process will be repeated for 2.



Now current node is 3.

But 3.left is null so here the while loop stops.