

```
1  /*Author: Bochen (mddboc@foxmail.com)
2  Last Modified: Tue Apr 10 22:28:44 CST 2018*/
3
4  /*Given an array of integers, every element appears twice except for one. Find that
   single one.
5
6  .....Note:
7  .....Your algorithm should have a linear runtime complexity. Could you implement
   it without using extra memory?*/
8
9  import java.util.*;
10 import java.lang.Math;
11 import java.lang.System;
12 import java.lang.Integer;
13
14
15 public class Main {
16
17     ....public static void main(String[] args) {
18     .....String[] input = {"5", "2", "C", "D", "+"};
19
20     .....Solution solution = new Solution();
21     .....int receive = solution.calPoints(input);
22
23
24     .....System.out.println("haha");
25     ....}
26
27 }
28
29
30 class ListNode {
31     ....int val;
32     ....ListNode next;
33
34     ....ListNode(int x) {
35     .....val = x;
36     ....}
37 }
38
39
40 class TreeNode {
41     ....int val;
42     ....TreeNode left;
43     ....TreeNode right;
44
45     ....TreeNode(int x) {
46     .....val = x;
47     ....}
48 }
49
50
51 class Solution {
52     ....public int singleNumber(int[] nums) {
53
54     .....int numsLength = nums.length;
55
56     .....int result = 0;
57
58     .....for (int i = 0; i < numsLength; i++) {
59     .....    result = result ^ nums[i];
60     .....}
61
62     .....return result;
63     ....}
64 }
```