

```

1  /*Author: Bochen (mddboc@foxmail.com)
2  Last Modified: Tue Apr 10 22:28:45 CST 2018*/
3
4  /*Given two sorted integer arrays nums1 and nums2, merge nums2 into nums1 as one
   sorted array.
5
6  --Note:
7  --You may assume that nums1 has enough space (size that is greater or equal to m +
   n) to hold additional elements from nums2.
8  --The number of elements initialized in nums1 and nums2 are m and n respectively.*/
9
10
11 import java.lang.System;
12 import java.util.*;
13 import java.lang.Math;
14
15
16 public class Main
17 {
18     --public static void main(String[] args)
19     --{
20         --int[] nums1 = {0,8,10};
21         --int[] nums2 = {1};
22
23         --Solution solution = new Solution();
24
25         --solution.merge(nums1,0, nums2,1);
26
27         --System.out.println("haha");
28
29     --}
30
31
32 }
33
34
35 class Solution {
36     --public void merge(int[] nums1, int m, int[] nums2, int n) {
37
38         --int mergePointer = m + n - 1;
39         --int nums1Pointer = m - 1;
40         --int nums2Pointer = n - 1;
41
42         --while (nums1Pointer >= 0 && nums2Pointer >= 0)
43         --{
44             --if (nums1[nums1Pointer] > nums2[nums2Pointer])
45             --{
46                 --nums1[mergePointer] = nums1[nums1Pointer];
47                 --nums1Pointer--;
48             --}
49             --else
50             --{
51                 --nums1[mergePointer] = nums2[nums2Pointer];
52                 --nums2Pointer--;
53             --}
54
55             --mergePointer--;
56         --}
57
58         --if (nums1Pointer < 0)
59         --{
60             --for (int i = 0; i <= nums2Pointer; i++)
61             --{
62                 --nums1[i] = nums2[i];
63             --}
64         --}
65
66     --}
67 }

```