# 448. Find All Numbers Disappeared in an Array

## Description

Example 1:

Input: nums = [4,3,2,7,8,2,3,1] Output: [5,6]

Example 2:

Input: nums = [1,1] Output: [2]

## Code

import java.util.Arrays;  
  
class DisappearedNum {  
 public static void main(String args[]) {  
 int arr[] = {4,3,2,7,8,2,3,1};  
 DisappearedNum dn = new DisappearedNum();  
 System.out.println(Arrays.toString(dn.disappearedNum(arr));  
 }  
  
 int[] disappearedNum(int[] nums) {  
 int n = nums.length;  
 int []result = new int[n];  
 int ri = 0;  
 for (int i=1; i<n+1; ++i) {  
 boolean found = false;  
 for (int j=0; j<n; ++j) {  
 if (i == nums[j])  
 found = true;  
 }  
 if (!found)  
 result[ri++] = i;  
 }  
  
 return Arrays.copyOfRange(result, 0, ri);  
 }  
}

## Output

[5, 6]