Given an array nums of n integers where nums[i] is in the range [1, n], return *an array of all the integers in the range* [1, n] *that do not appear in* nums.

**Example 1:**

**Input:** nums = [4,3,2,7,8,2,3,1]

**Output:** [5,6]

**Example 2:**

**Input:** nums = [1,1]

**Output:** [2]

**Constraints:**

* n == nums.length
* 1 <= n <= 105
* 1 <= nums[i] <= n

**Follow up:** Could you do it without extra space and in O(n) runtime? You may assume the returned list does not count as extra space.