

## 448. Find All Numbers Disappeared in an Array

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.