

## 442. Find All Duplicates in an Array

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Question

Editorial Solution

My Submissions (/problems/find-all-duplicates-in-an-array/submissions/)

Total Accepted: **11665** Total Submissions: **24080** Difficulty: **Medium** Contributors: **shen5630** (/shen5630/)

Given an array of integers,  $1 \leq a[i] \leq n$  ( $n$  = size of array), some elements appear **twice** and others appear **once**.

Find all the elements that appear **twice** in this array.

Could you do it without extra space and in  $O(n)$  runtime?

**Example:****Input:**`[4,3,2,7,8,2,3,1]`**Output:**`[2,3]`

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Top Solutions

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Python ▾



```
1 class Solution(object):
2     def findDuplicates(self, nums):
3         """
4         :type nums: List[int]
5         :rtype: List[int]
6         """
7         from collections import Counter
8         cnt=Counter(nums).most_common()
9         dups=[]
10        for key,value in cnt:
11            if value==2:
12                dups.append(key)
13            else:
14                break
15        return dups
16
```

Custom Testcase ☒

Contribute Testcase

`[4,3,2,7,8,2,3,1]`

One line for one parameter. Hint ▾

Shortcut: Ctrl + enter

Run Code

Submit Solution

Notes

Your input

Your answer

[2,3]

Expected answer

[2,3]

Show Diff

Runtime: 39 ms

Note: is Run Code inconsistent with Submit Solution? If you are using global variables or C/C++, check this (/faq/#different-output) out.

Submission Result: Accepted (/submissions/detail/89452368/) ?

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Next challenges: (M) Subsets II (/problems/subsets-ii) (H) Word Ladder II (/problems/word-ladder-ii)

(M) Product of Array Except Self (/problems/product-of-array-except-self)

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Notes