PROBLEM

Two Repeated Elements

Medium Accuracy: 28.95% Submissions: 103K+ Points: 4

You are given an integer **n** and an integer array **arr** of size **n+2**. All elements of the array are in the range from 1 to **n**. Also, all elements occur once except two numbers which occur twice. Find the two repeating numbers.

Note: Return the numbers in their order of appearing twice. So, if **X** and **Y** are the repeating numbers, and **X**'s second appearance comes before second appearance of **Y**, then the order should be (**X**, **Y**).

Example 1:

Input:
n = 4
arr[] = {1,2,1,3,4,3}
Output:
1 3
Explanation:
In the given array, 1 and 3 are repeated two times and as 1's second appearance occurs before 2's second appearance, so the output should be 1 3.

Example 2:

Input:
n = 2
arr[] = {1,2,2,1}
Output:
2 1
Explanation:
In the given array, 1 and 2 are repeated two times and second occurence of 2 comes before 1. So the output is 2 1.

Your Task:
The task is to complete the function **repeatedElements()** which takes an integer array **arr**[] and an integer **n** as inputs (the size of the array is **n + 2** and elements are in the range [1, **n**]) and finds the two repeated elements in the array and return them in an array.

Expected Time Complexity: O(n).
Expected Auxiliary Space: O(1).

Constraints:
$2 \leq n \leq 10^5$
$1 \leq arr[i] \leq n$

CODE

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#User function Template for python3


class Solution:


    #Function to find two repeated elements.
    def twoRepeated(self, arr , n):
        #Your code here
        nums = set()
        ans = []
        for i in arr:
            if (i in nums):
                ans.append(i)
            else:
                nums.add(i)
        return ans
```