

?

6

Single Number

Try to solve the Single Number problem.

We'll cover the following

- Statement
- Example
- Understand the problem
- Figure it out!
- Try it yourself

Statement

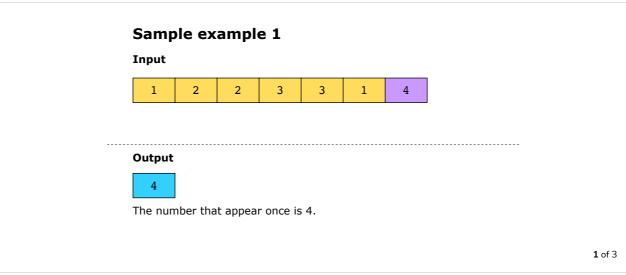
Given an array of integers, where every element appears twice except for one, find the element that occurs only once.

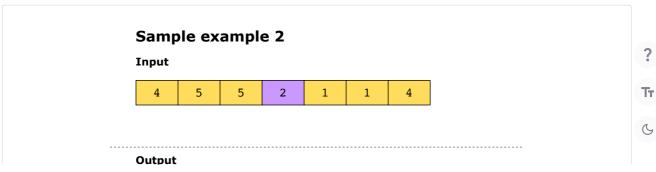
Note: The solution must have linear runtime and constant space complexity.

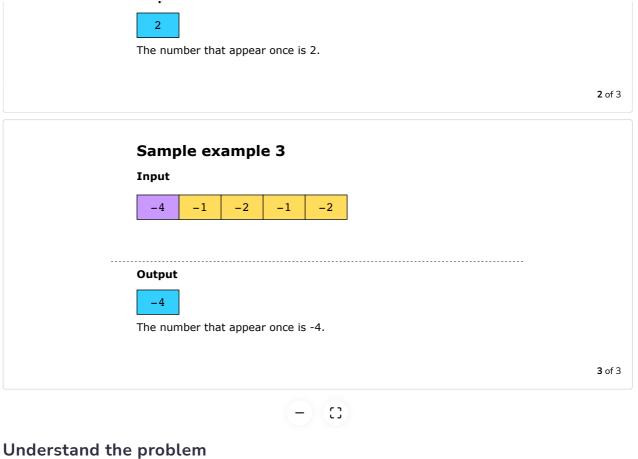
Constraints:

- $1 \leq {\sf nums.length} \leq 3 imes 10^3$
- \bullet $-3 imes 10^3 \leq ext{nums[i]} \leq 3 imes 10^3$

Example







Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

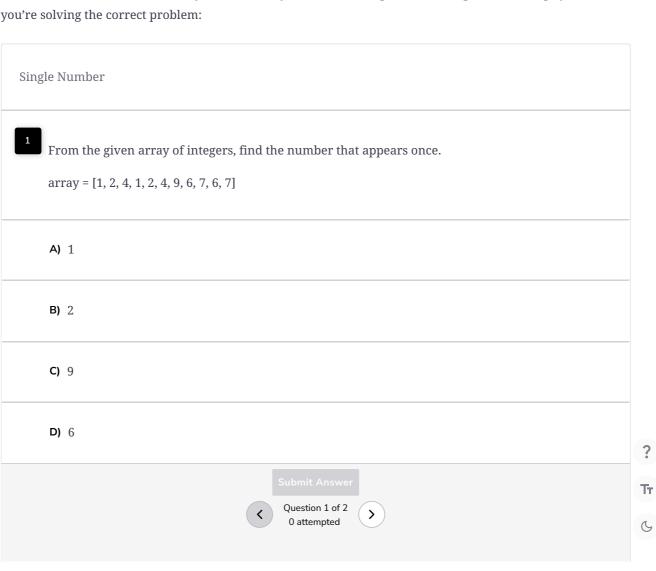
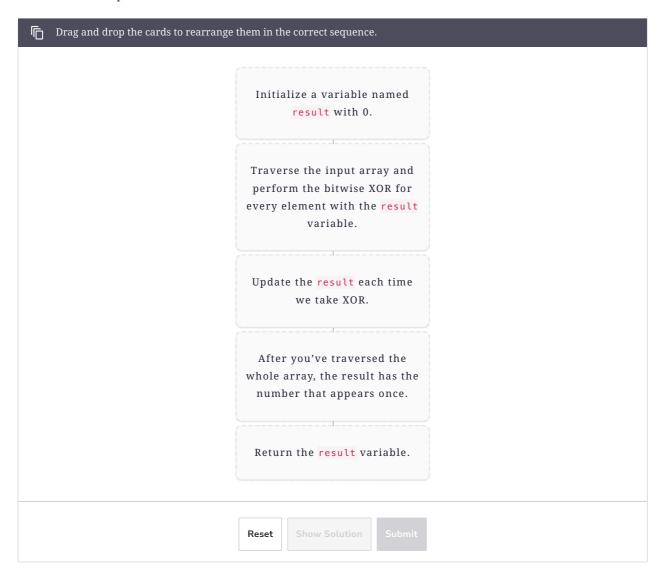


Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.



Try it yourself

Implement vous colution in the following coding playerounds



