384. Shuffle an Array

Description

Given an integer array nums, design an algorithm to randomly shuffle the array. All permutations of the array should be equally likely as a result of the shuffling.

Implement the Solution class:

- Solution(int[] nums) Initializes the object with the integer array nums.
- int[] reset() Resets the array to its original configuration and returns it.
- int[] shuffle() Returns a random shuffling of the array.

Example 1:

Constraints:

- 1 <= nums.length <= 50
- $-10^{6} <= nums[i] <= 10^{6}$
- All the elements of nums are unique.
- At most 10 4 calls in total will be made to reset and shuffle.