Given an integer array nums, move all the even integers at the beginning of the array followed by all the odd integers.

Return ***any array*** *that satisfies this condition*.

**Example 1:**

Input: nums = [3,1,2,4]  
Output: [2,4,3,1]  
Explanation: The outputs [4,2,3,1], [2,4,1,3], and [4,2,1,3] would also be accepted.

**Example 2:**

Input: nums = [0]  
Output: [0]

**Constraints:**

* 1 <= nums.length <= 5000
* 0 <= nums[i] <= 5000