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]

class Solution {

public int[] sortArrayByParity(int[] nums) {

int j=nums.length-1,i=0;

while(i<j){

while(i<j && nums[i]%2==0)

i++;

while(i<j && nums[j]%2==1)

j--;

int temp=nums[i];

nums[i]=nums[j];

nums[j]=temp;

}

return nums;

}

}