

Wiggle Sort I

Given an unsorted array `nums`, reorder it **in-place** such that `nums[0] <= nums[1] >= nums[2] <= nums[3] ...`.

For example, given `nums = [3, 5, 2, 1, 6, 4]`, one possible answer is `[1, 6, 2, 5, 3, 4]`.

```
def wiggleSort(nums):  
    #Method 1  
    # arr.sort()  
    # for i in range(1, len(arr) - 2, 2):  
    #     arr[i], arr[i + 1] = arr[i + 1], arr[i]  
    #Method 2  
    for i in range(len(arr)-1):  
        if i%2==0:  
            if nums[i]>nums[i+1]:  
                nums[i],nums[i+1]=nums[i+1],nums[i]  
        else:  
            if nums[i]<nums[i+1]:  
                nums[i],nums[i+1]=nums[i+1],nums[i]  
  
arr = [1, 9, 6, 4, 7, 2, 5, 8, 3, 10]  
wiggleSort(arr)  
print(arr)
```