30 Days Leetcode Challenge - Day 10

public class leetday10

{

class Solution1 {

public int[] rearrangeArray(int[] arr) {

int n = arr.length;

int positive =0;

int negative =1;

int result [] = new int[n];

for(int i=0;i<n;i++)

{

if(arr[i]>0)

{

result[positive]=arr[i];

positive+=2;

}

else if(arr[i]<0)

{

result[negative]=arr[i];

negative+=2;

}

}

return result;

}

}

class Solution2 {

public void nextPermutation(int[] nums)

{

int i = nums.length - 2;

while (i >= 0 && nums[i] >= nums[i + 1]) {

i--;

}

if (i >= 0) {

int j = nums.length - 1;

while (nums[j] <= nums[i]) {

j--;

}

swap(nums, i, j);

}

reverse(nums, i + 1, nums.length - 1);

}

private void swap(int[] nums, int i, int j) {

int temp = nums[i]; nums[i] = nums[j]; nums[j] = temp;

}

private void reverse(int[] nums, int start, int end) {

while (start < end) {

swap(nums, start, end);

start++;

end--;

}

}

}

}