```
//Homework

https://leetcode.com/problems/sort-an-array/


//three Sum
//https://leetcode.com/problems/3sum/

let nums = [-1,0,1,2,-1,-4];


const threeSum = (nums, n) => {

    nums.sort((a,b) => a-b);

    let answer = [];

    for(let i=0;i<n-2;i++){

        let left = i+1;
        let right = n-1;

        while(left<right)
        {
            let sum = nums[i]+ nums[left]+nums[right];

            if(sum === 0)
            {
                answer.push([nums[i], nums[left], nums[right]]);

                while(nums[left+1] === nums[left])
                    { left++;}
                while(nums[right-1] === nums[right])
                    { right--;}

                left++;
                right--;
            }

            else if (sum < 0)
                left++;

            else
                right--;
```

```javascript
        }

        while(nums[i] === nums[i+1])
            i++;
    }

    return answer;
} ;


console.log(threeSum(nums, 6));
//TC : O(n^2)
//SC: O(n)
```