```
function findMedian (arr) {
    const n = arr.length
    const k1 = Math.floor(n/2)
   const median1 = quickSelect(arr, k1)
   if (n%2 == 0) {
        const k2 = Math.floor((n-1)/2)
        const median2 = quickSelect(arr, k2)
        return (median2 + median1)/2
   else return median1
function quickSelect (arr, k) {
    return quickSelectHelper(arr, 0, arr.length - 1, k)
function quickSelectHelper (arr, low, high, k) {
    if (low <= high) {</pre>
        const pos = partition(arr, low, high)
        if (pos > k) {
            return quickSelectHelper(arr, low, pos - 1, k)
        else if (pos < k) {
            return quickSelectHelper(arr, pos + 1, high, k)
        else return arr[pos]
function partition (arr, low, high) {
    const pivot = arr[high]
   let i = low - 1
    for (let j=low; j<=high; j++) {</pre>
        if (arr[j] < pivot) {</pre>
            i++
            swap(arr, i, j)
   swap(arr, i+1, high)
    return i+1
function swap (arr, i, j) {
   let t = arr[i]
   arr[i] = arr[j]
   arr[j] = t
```

console.log (findMedian([8, 5, 2, 9, 4, 3]))