```javascript
function swap(arr, i, j) {
    var temp = arr[i];
    arr[i] = arr[j];
    arr[j] = temp;
}

function partition(arr, pivot, left, right) {
    var pValue = arr[pivot];
    var i = left;
    var j = left;

    while(j < right) {
        if(arr[j] < pValue) {
            swap(arr, j, i);
            i++;
        }
        j++;
    }

    swap(arr, right, i);
    return i;
}

function quickSort(arr, left, right) {
    var pivot;
    var index;

    if(left < right) {
        pivot = right;
        index = partition(arr, pivot, left, right);

        quickSort(arr, left, index - 1);
        quickSort(arr, index + 1, right);
    }

    return arr;

}

var data = [5, 6,2, 7, 8, 2, 1, 7, 3, 6, 8, 9, 1, 3, 5, 6, 7, 8];
console.log(quickSort(data, 0, data.length - 1));
```