

1) Write a JavaScript program to sort a list of elements using Quick sort.  
-“seven.js”

```
function quick_Sort(origArray) {
    if (origArray.length <= 1) {
        return origArray;
    } else {
        var left = [];
        var right = [];
        var newArray = [];
        var pivot = origArray.pop();
        var length = origArray.length;

        for (var i = 0; i < length; i++) {
            if (origArray[i] <= pivot) {
                left.push(origArray[i]);
            } else {
                right.push(origArray[i]);
            }
        }

        return newArray.concat(quick_Sort(left), pivot, quick_Sort(right));
    }
}

var myArray = [3, 0, 2, 5, -1, 4, 1 ];

console.log("Original array: " + myArray);
var sortedArray = quick_Sort(myArray);
console.log("Sorted array: " + sortedArray);
```

Expected Output:

3) Create a NodeJS programme that allows users to submit text and a file name, and if the file already exists, appends the text to the file. If not, make a fresh file and include the text in it.

```
var fs = require('fs');

// appendFile function with filename, content and callback function
fs.appendFile('newfile.txt', `Learn Node FS module \r\n`, function (err) {
    if (err) throw err;
    console.log('File is Appended successfully.');
```

EXPECTED OUTPUT

File is appended successfully.