Write a function filterRange(arr, a, b) that gets an array arr, looks for elements with values higher or equal to a and lower or equal to b and return a result as an array.

The function should not modify the array. It should return the new array.

For instance:

let arr = [5, 3, 8, 1];

let filtered = filterRange(arr, 1, 4);

alert( filtered ); // 3,1 (matching values)

alert( arr ); // 5,3,8,1 (not modified)

[Open a sandbox with tests.](https://plnkr.co/edit/N4Mo0b66zI1tqO3H?p=preview)

function filterRange (arr,a,b){

    let newArray = arr.filter((x,i) =>  x>=a && x<=b)

    console.log(newArray)

}

filterRange ([5,3,8,1],1,4)