Array.prototype.swap = function(a, b){

var tmp = this[a];

this[a] = this[b];

this[b] = tmp;

};

var bubble\_sort = function(array){

var length = array.length;

var swapped = false;

for (var i = 0; i < length; i++){

swapped = false;

for ( var j = 0; j < length - i - 1; j++){

if (array[j] > array[j + 1] ){

array.swap(j, j + 1);

swapped = true;

}

}

if (!swapped){

break;

}

}

return array;

};

var array = [6, 5, 4, 3, 2, 1];

var array\_sorted = bubble\_sort(array);

console.log(array\_sorted);