

```
1 // array to sort
2 var array = [9, 2, 5, 6, 4, 3, 7, 10, 1, 8];
3
4 // gaps
5 var gaps = [701, 301, 132, 57, 23, 10, 4, 1];
6
7 function shellsort(array) {
8     for(var g = 0; g < gaps.length; g++) {
9         var gap = gaps[g];
10        for(var i = gap; i < array.length; i++) {
11            var temp = array[i];
12            for(var j = i; j >= gap && array[j - gap] > temp; j -= gap) {
13                array[j] = array[j - gap];
14            }
15            array[j] = temp;
16        }
17    }
18    return array;
19 }
20
21 console.log(shellsort(array)); // => [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 ]
22
```