

# Bubble Sort Implementation

Pseudocode:

```
procedure bubbleSort( list : array of items )

    loop = list.count;

    for i = 0 to loop-1 do:
        swapped = false

        for j = 0 to loop-1 do:

            /* compare the adjacent elements */
            if list[j] > list[j+1] then
                /* swap them */
                swap( list[j], list[j+1] )
                swapped = true
            end if

        end for

        /*if no number was swapped that means
        array is sorted now, break the loop.*/

        if(not swapped) then
            break
        end if

    end for

end procedure return list
```

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1. Apply Bubble Sort on the array given below and show the output of the unsorted and sorted arrays. Sort the array in ASCENDING ORDER.

53	17	24	1	59	-53	15
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