

Bubble Sort Using Pass-by-Reference

- Let's write a bubble sort program using two functions — `bubbleSort` and `swap`.
- Function `bubbleSort` sorts the array.
- It calls function `swap` to exchange the array elements `array[j]` and `array[j + 1]`
- Remember that C enforces information hiding between functions, so `swap` does not have access to individual array elements in `bubbleSort`.
- Because `bubbleSort` wants `swap` to have access to the array elements to be swapped, `bubbleSort` passes each of these elements by reference to `swap`—the address of each array element is passed explicitly.