1) How does the Bubble Sort algorithm work?:

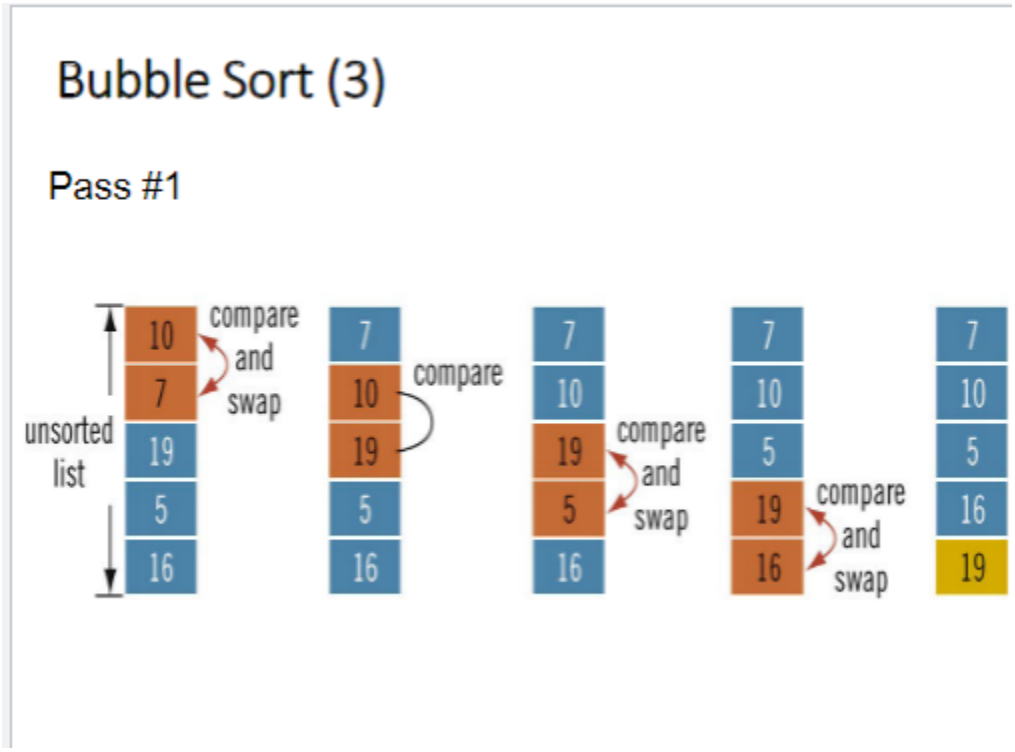
- The parameter of the function takes two arguments, **an array and a variable that represents the total number of elements in the array.**

- The function is **void** and consists of **two for loops, one outer and one inner.**

- The outer loop controls the value of **iteration** for both the outer loop and inner loop. Iteration will count the number of times we have our “series of iteration” within the inner loop, **not the number of series of iteration themselves.**

- The inner loop: **This is where we compare neighboring elements of passed[index] and passed[index + 1]. In the event that if [index+1] < [index], as we compare the *adjacent* elements and swap them when necessary, this is where we essentially bubble up the array where the largest elements are toward the end of the array.**

2) Illustration is as follows:

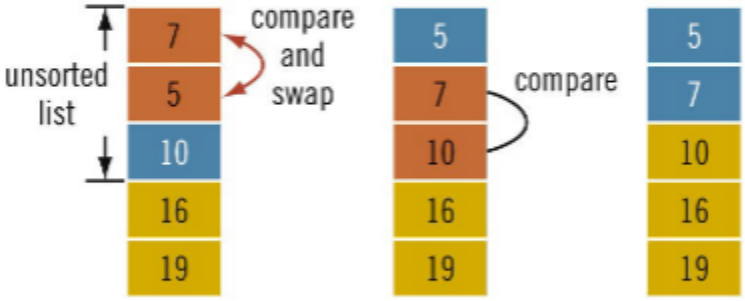


Bubble Sort (4)

Pass #2

Bubble Sort (5)

Pass #3



Bubble Sort (6)

Pass #4