**Bubble Sort**

**[Algorithm]**

* Arranges N number of elements in ascending order. We begin from 0th element and compare it with the next element. If the 0th element (previous number) is found greater than the next element, then we swap them. In this way, all the elements of the array get compared.

**[Time Complexity]**

* Worst and Average Case Time Complexity: O(n2)
  + Worst case occurs when array is reverse sorted.
* Best Case Time Complexity: O(n)
  + Best case occurs when array is already sorted. We still need to traverse the array all the way to recognize that the array is already sorted.