BubbleSort goes through a list and compares elements that are next to each other, if the first element is greater than the second element then the two elements are swapped, then it goes to the second element and compares it to the third element and it compares the two and if the 2nd is greater than the third then it swaps them and it repeats this through the whole list of elements and once it gets to the end it repeats this process, and it does this until the whole list is ordered.

MergeSort takes the list and it divides the list in half until each element is alone and then it compares every two elements and puts them in order, it merges them into two and then it compares the first two groups of two elements and puts all of those in order and it keeps going through until it merges all of the elements in order.

QuickSort is a recursive algorithm that chooses a pivot from an unsorted array and then it starts from the left and finds the first element that is larger than the pivot then it starts from the right and chooses the first value smaller than the pivot and then it swaps the two, it repeats this until the item from the left is smaller than the item from the right and then swap the item from left with the pivot. Then with each half of the array, it repeats this process until the whole array is sorted.