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Bubble Sort

Compare each individual item to each other item over and over swapping each time there is a difference

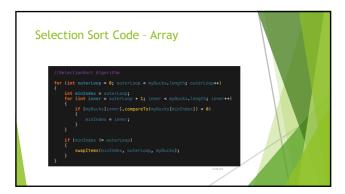
Almost always the worst possible option

○ 0(n²)

Nested for loop over the structure with a swap every time the adjacent values are out of order

Always does a final iteration with no swaps
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Divide and Conquer! ➤ The next two sorts use recursion to make the problem easier to solve AKA split the problem up so that it is ridiculously easy to solve ➤ Everyone can sort a list of 1 or 2 ➤ Need to know when to stop (base case) or when to call the same method with different info (recursive case) ➤ Structure is a method with parameters that has an if block ➤ If you are done stop ➤ Else break the problem down and send the parts to the same method!







