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Assignment 04 Shell Sort

As there are many sorting methods in Java, Shell is a more advanced sort. As Shell is an implementation on insertion sort, it is the next step in enhancing your sorting program. Shell Sort breaks down the elements into subsets, which then sorts the subsets using the insertion method. The algorithm sorts the further elements that are far away from each other. Once the gap is smaller the closer elements are sorted. This makes elements not in the correct position get sorted faster to the correct position. To implement it, you need to create a gap sequence which can be created with a for loop. Once you implement the gap sequence into the normal insertion sort, it makes it pretty much complete. The method is very reliant on the gap sequence.