

# Insertion Sort pseudocode

Now that you know how to insert a value into a sorted subarray, you can implement insertion sort:

1. Call insert to insert the element that starts at index 1 into the sorted subarray in index 0.
2. Call insert to insert the element that starts at index 2 into the sorted subarray in indices 0 through 1.
3. Call insert to insert the element that starts at index 3 into the sorted subarray in indices 0 through 2.
4. ...
5. Finally, call insert to insert the element that starts at index  $n-1$  into the sorted subarray in indices 0 through  $n-2$ .

As a reminder, here's the visualization that steps through the algorithm on a deck of cards:

5	2	47	7	23	13	41	29	53	11
♥	♥	♥	♥	♥	♥	♥	♥	♥	♥

[Next](#) [Reset](#)