

7. Sorting Algorithms :: Merge Sort Example (continued)

This procedure is known as a **merge** and it is what gives merge sort its name. But how did the elements of a and b get sorted—we kinda glossed over that. The list merging process is only part of the merge sort algorithm. To see how the complete algorithm works, let's start with this list (to be sorted into ascending order) which has $n = 10$ elements.

$$list = \{4, 2, 7, 3, 5, 13, 11, 8, 6, 2\}$$