

Sort Trace

Trace each pass of selection, insertion, and quick sort for the list of values below. For quick sort, assume that the pivot is the left-most value in the portion of the array to be sorted.

The numbers are: 6, 3, 11, 4, 9, 8, 17, 7

You may turn your work in as a text file, a PDF, or a scan/image of something hand-written.

Selection sort

6, 3, 11, 4, 9, 8, 17, 7

3, 6, 11, 4, 9, 8, 17, 7

3, 4, 11, 6, 9, 8, 17, 7

3, 4, 6, 11, 9, 8, 17, 7

3, 4, 6, 7, 9, 8, 17, 11

3, 4, 6, 7, 8, 9, 17, 11

3, 4, 6, 7, 8, 9, 17, 11

3, 4, 6, 7, 8, 9, 11, 17

3, 4, 6, 7, 8, 9, 11, 17

Insertion sort

6, 3, 11, 4, 9, 8, 17, 7

6, 3, 11, 4, 9, 8, 17, 7

3, 6, 11, 4, 9, 8, 17, 7

3, 6, 11, 4, 9, 8, 17, 7

3, 4, 6, 11, 9, 8, 17, 7

3, 4, 6, 9, 11, 8, 17, 7

3, 4, 6, 8, 9, 11, 17, 7

3, 4, 6, 8, 9, 11, 17, 7

3, 4, 6, 7, 8, 9, 11, 17

Quick sort

6	3	11	4	9	8	17	7
3	4	11	6	9	8	17	7
3	4	8	6	7	9	17	11
3	4	6	8	7	9	11	17
3	4	6	7	8	9	11	17
3	4	6	7	8	9	11	17