Sorting Algorithm Visualizer

Enter Array (comma-separated):

e.g. 34,7,23,32,5,62

Generate Random Array

Choose Algorithm 1: Bubble Sort

Choose Algorithm 2: Bubble Sort

Compare Sorting Algorithms

Sorting Algorithm Visualizer

Enter Array (comma-separated):

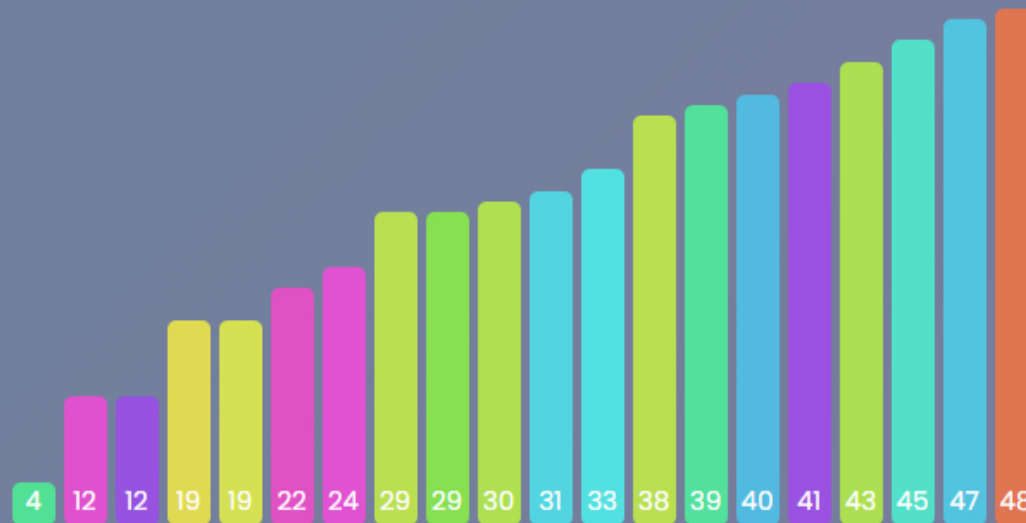4,31,24,30,38,47,12,48,29,12,43,33,19,39,40,22,29,45,41,19

Generate Random Array

Choose Algorithm 1: Bubble Sort

Choose Algorithm 2: Merge Sort

| 4 | 12 | 12 | 19 | 19 | 22 | 24 | 29 | 29 | 30 | 31 | 33 | 38 | 39 | 40 | 41 | 43 | 45 | 47 | 48 |

Algorithm 1 (bubbleSort) - Swaps: 81, Comparisons: 190, Time Taken: 13.80 ms

Algorithm 2 (mergeSort) - Swaps: 19, Comparisons: 64, Time Taken: 1.40 ms

Compare Sorting Algorithms

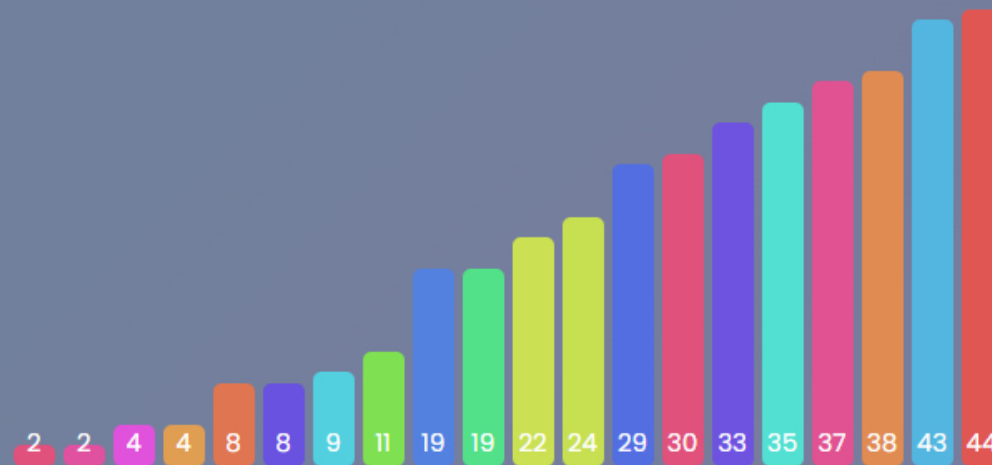# Sorting Algorithm Visualizer

Enter Array (comma-separated):

30,19,33,43,37,9,8,2,4,24,29,19,35,38,4,22,44,11,8,2

Generate Random Array

Choose Algorithm 1:   Insertion Sort

Choose Algorithm 2:   Quick Sort

Algorithm 1 (insertionSort) - Swaps: 108, Comparisons: 19, Time Taken: 15.90 ms

Algorithm 2 (quickSort) - Swaps: 38, Comparisons: 73, Time Taken: 4.40 ms

Compare Sorting Algorithms

Sorting Algorithm Visualizer
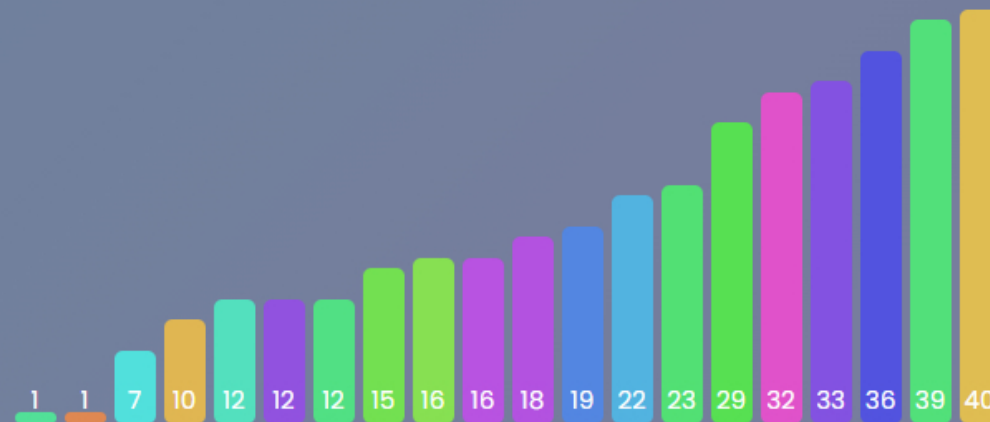
Enter Array (comma-separated):

36,22,33,1,18,40,23,32,16,15,29,16,39,10,12,12,19,12,1,7

[Generate Random Array]

Choose Algorithm 1: Selection Sort

Choose Algorithm 2: Quick Sort

1 1 7 10 12 12 12 15 16 16 18 19 22 23 29 32 33 36 39 40

Algorithm 1 (selectionSort) - Swaps: 15, Comparisons: 190, Time Taken: 2.80 ms

Algorithm 2 (quickSort) - Swaps: 45, Comparisons: 74, Time Taken: 6.70 ms

[Compare Sorting Algorithms]

Sorting Algorithm Visualizer
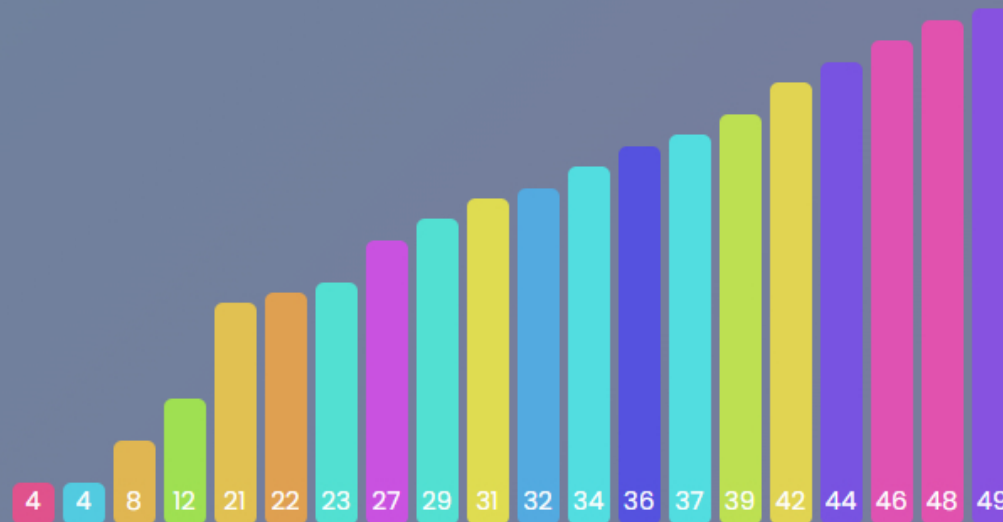
Enter Array (comma-separated):

`4,29,46,23,39,4,8,32,42,37,44,21,36,49,34,12,27,31,22,48`

[Generate Random Array]

Choose Algorithm 1: **Bubble Sort** ⌄

Choose Algorithm 2: **Merge Sort** ⌄

| 4 | 4 | 8 | 12 | 21 | 22 | 23 | 27 | 29 | 31 | 32 | 34 | 36 | 37 | 39 | 42 | 44 | 46 | 48 | 49 |

Algorithm 1 (bubbleSort) - Swaps: 83, Comparisons: 190, Time Taken: 17.70 ms

Algorithm 2 (mergeSort) - Swaps: 19, Comparisons: 63, Time Taken: 0.60 ms

[Compare Sorting Algorithms]