

Sorting Algorithm

[⁰20, ¹10, ²12, ³17, ⁴27, ⁵42, ⁶39] $n=7$

(Sorting algorithm)

Sorted → [10, 12, 17, 20, 27, 39, 42]
Array

Sorting algorithms

Comparison
based

Selection Sort,
Bubble Sort,
Insertion Sort,

QuickSort,

MergeSort,

HeapSort

Non-comparison
based

Count Sort,
Radix Sort,
Bucket Sort

1) Approach

2) Scenarios

↳ optimized

{ Time complexity space complexity }

} Applications of
Divide &
Conquer