CS1022 22.9.2015

Language technology

Algorithms

25.9.2015

# Sorting: Bubble sorting

Summary: Goes through each pair of numbers, swaps the bigger one ahead and works it’s way through the series.

Requires multiple runs to completely sort the whole array

Maximum runs = n-1

Minimum is 1

# Sorting: Mergesort

Summary:

* Divides the array into two to effectively half the problem
* Compares the first element in each sub-array
* Goes down each pair in a pyramid-like-fashion (upside down pyramid)
* At the end merges the sub-arrays together