Bucket Sort

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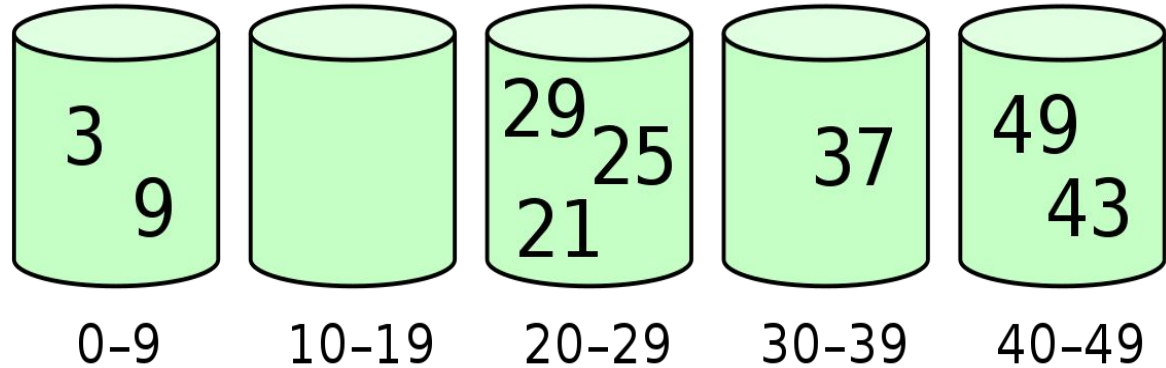
What is the Bucket sort?

Bucket sort is the middleman to data sorting. It chunks data into different "buckets" in a divide and conquer sorting algorithm. From there, the buckets can be sorted with another sorting algorithm, or Bucket sort it again if you'd like.

Example:

29 25 3 49 9 37 21 43

3 9		29 25 21	37	49 43
0–9	10–19	20–29	30–39	40–49

https://en.wikipedia.org/wiki/Bucket_sort

Time Complexity

Array Sorting Algorithms

Algorithm	Time Complexity			Space Complexity
	Best	Average	Worst	Worst
Bucket Sort	$\Omega(n+k)$	$\Theta(n+k)$	$O(n^2)$	$O(n)$

Jacob Flexing Coding Skillz

https://replit.com/@jabobvoita/ElementaryFrillySdk#main.cpp