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Aglorithm visualizer is a web application where anyone can visualize different types of algorithms which helps the beginners to understand how algorithms are work.

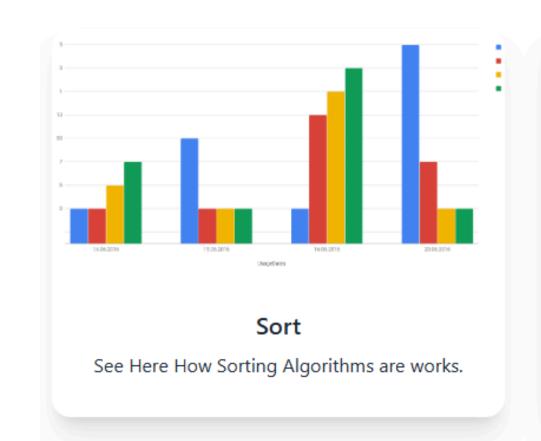


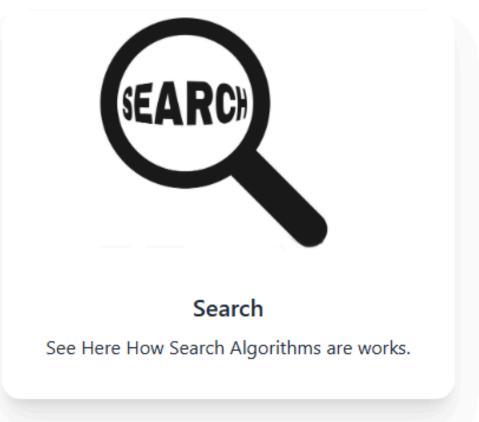
Which Algorithm I Visualize

- Sorting Algorithm.
 - Bubble Sort
 - Selection Sort
- Searching Algorithm.
 - Linear Search
 - Binary Search

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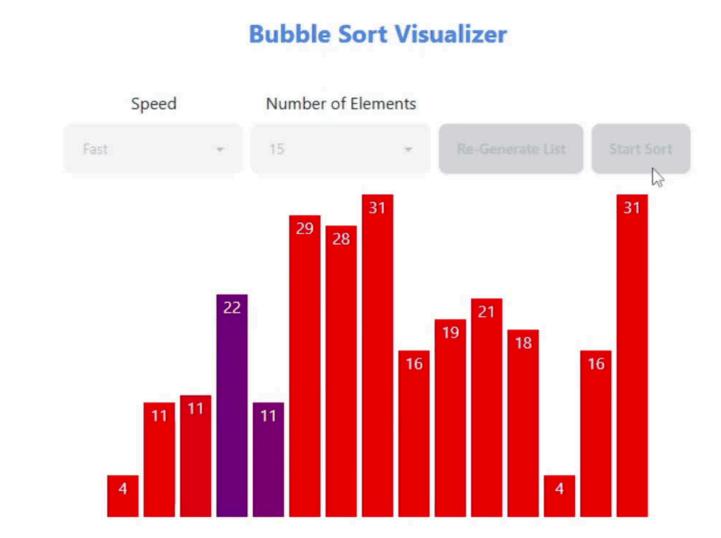




Bubble Sort

How Bubble sort are work

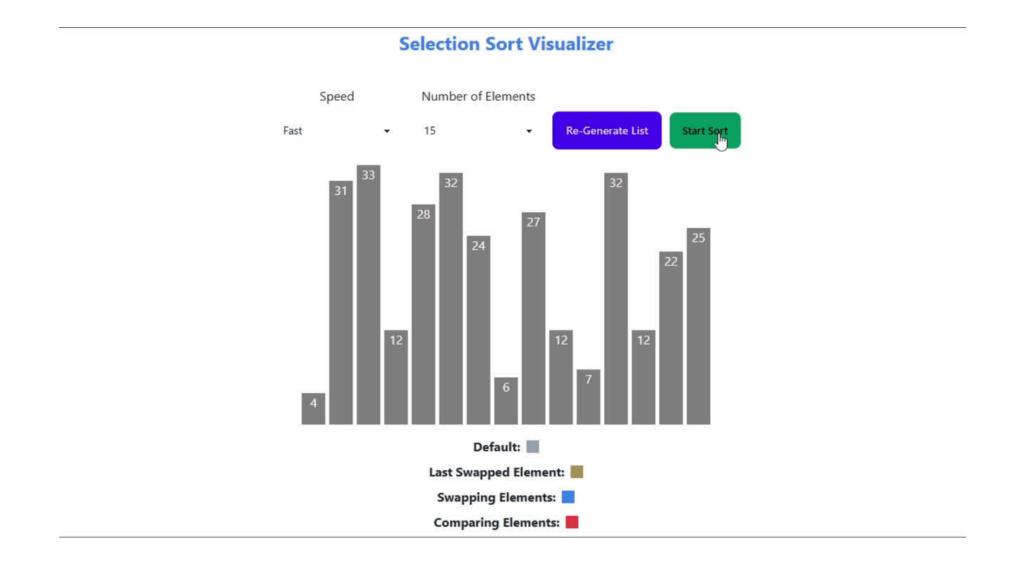
It compare between two element and if the first element are bigger then swap the element and that's how the biggest element are goes to last. And this process are run the length of items times.





How Selection sort are work

Actually the selection sort find the smallest item from the array and place it on the last position of sorted array. It performs the array elements length times.





How Linear search are work

Linear search are take the the target value and comparing with each element against the target element. If the target element are found then the program return the index.



Binary Search

How Binary Search are work

In binary search array have to sorted. Binary search comparing the target element with middle element of array. If element not found and element is greater then mid element then set the start element **mid+1**. Otherwise we have to set end **mid-1**. This operation continue when end<start.

