Insertion Sort

<https://www.youtube.com/watch?v=yCxV0kBpA6M>

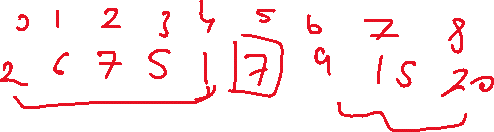
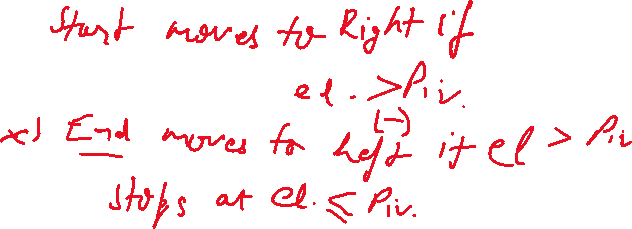
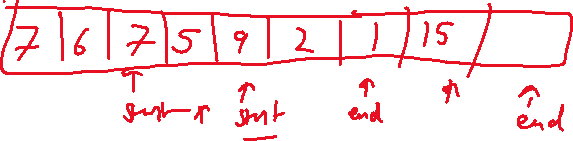
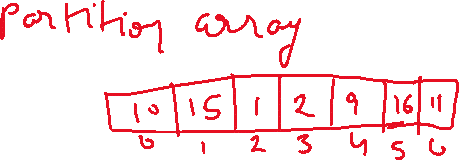
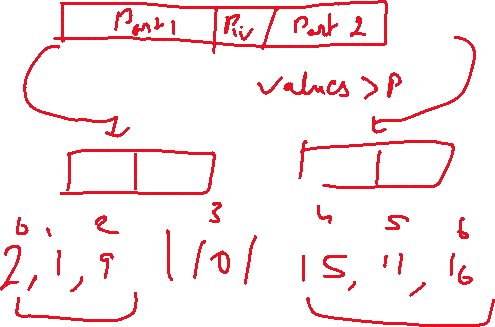
**Algorithm**   
To sort an array of size n in ascending order:   
1: Iterate from arr[1] to arr[n] over the array.   
2: Compare the current element (key) to its predecessor.   
3: If the key element is smaller than its predecessor, compare it to the elements before. Move the greater elements one position up to make space for the swapped element.



Selection Sort

The selection sort algorithm sorts an array by repeatedly finding the minimum element (considering ascending order) from unsorted part and putting it at the beginning. The algorithm maintains two subarrays in a given array.  
1) The subarray which is already sorted.   
2) Remaining subarray which is unsorted.  
In every iteration of selection sort, the minimum element (considering ascending order) from the unsorted subarray is picked and moved to the sorted subarray.

Quick Sort



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