Tinker Academy

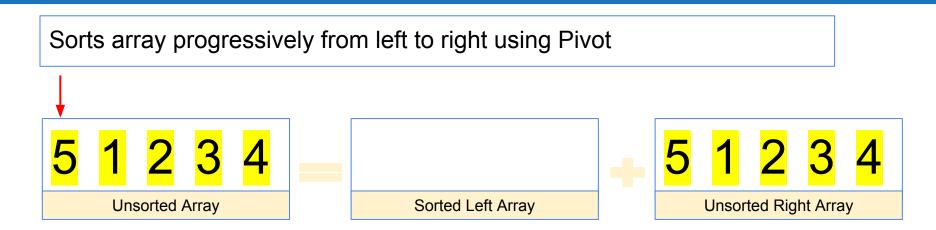
Programming Using Java (Bubble Sort)

Simple Sorting Algorithm



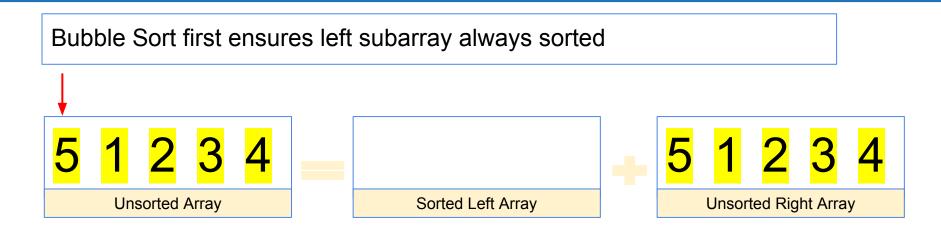


Sorting is "slow", which means it takes more cpu time to complete sort



Pivot divides the array into 2, a sorted left subarray, unsorted right array

Pivot at index 0 divides array into empty left subarray, full right subarray



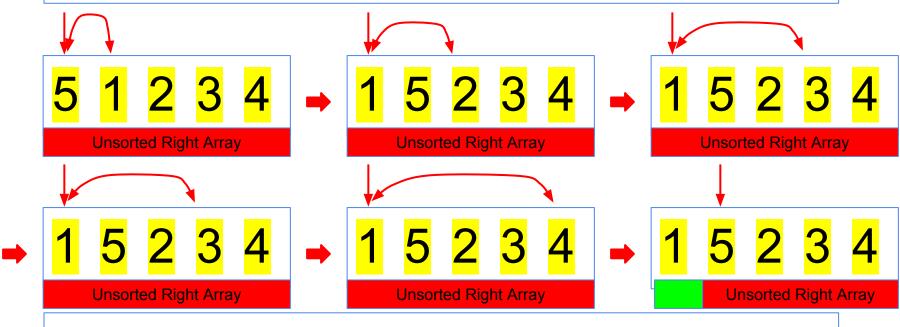
When Pivot at index 0, left subarray is empty and is sorted by definition

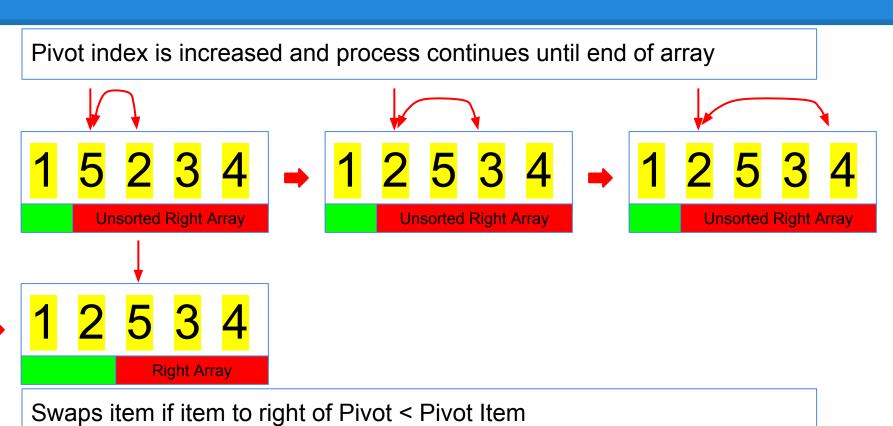
Bubble Sort next ensures item at pivot index is lowest in right subarray



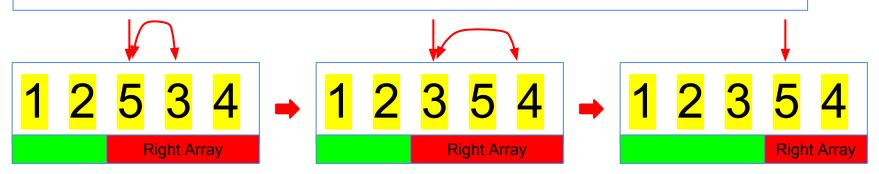
Bubble Sort compares each item to right of Pivot with pivot item

Bubble Sort next ensures item at pivot index is lowest in right subarray

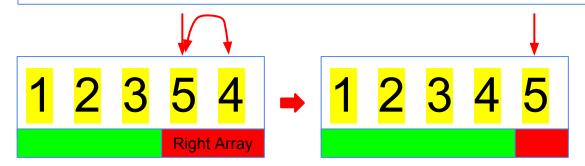




Pivot index is increased and process continues until end of array



Pivot index is increased and process continues until end of array



Pivot index is increased and process continues until end of array

