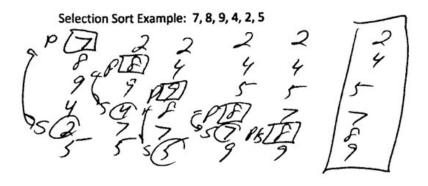
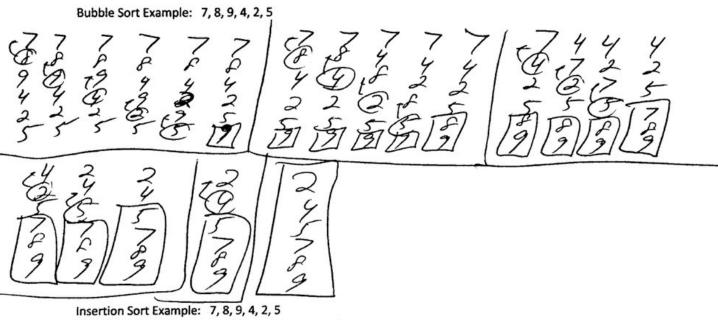
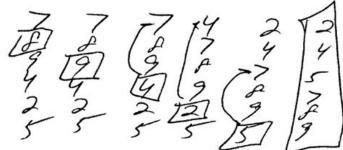
Selection Sort Example: 5, 7, 8, 1, 6, 2  PD
Computing time is O(n2) for best, worst, and average case
Bubble Sort Example: 5, 7, 8, 1, 6, 2
Sorted List roundards
Competing time is O(n) in best case and O(n2) in aug. and worst cases. Insertion Sort Example: 5,7,8,1,6,2
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Computing time is O(n) in best case and O(nd) in any and must ass
Composition is och in pass case and och

## Practice CPS 162 Sorting Algorithms of type O(n^2)







Insert 4, 8, 9, 6, 2, 0, 1 to make a heap (remember to percolate up)

Heapify and sort 4, 8, 9, 6, 2, 0, 1 (Remember to use Heapify and Percolate Down)

## Practice CPS 162 Sorting Algorithms for Heapsort

Insert 7, 8, 9, 4, 2, 5 to make a heap (remember to percolate up)

Heapify and sort 7, 8, 9, 4, 2, 5 (Remember to use Heapify and Percolate Down)

