

Sort the following array elements in increasing or ascending order: 11, 9, 15, 12, 17, 11, 23, 10

Bubble Sort:

Pass 1:

11, 9, 15, 12, 17, 11, 23, 10 Swap
9, 11, 15, 12, 17, 11, 23, 10
9, 11, 15, 12, 17, 11, 23, 10 Swap
9, 11, 12, 15, 17, 11, 23, 10
9, 11, 12, 15, 17, 11, 23, 10 Swap
9, 11, 12, 15, 11, 17, 23, 10
9, 11, 12, 15, 11, 17, 23, 10 Swap
9, 11, 12, 15, 11, 17, 10, 23

Pass 3:

9, 11, 12, 11, 15, 10, 17, 23
9, 11, 12, 11, 15, 10, 17, 23
9, 11, 12, 11, 15, 10, 17, 23 Swap
9, 11, 11, 12, 15, 10, 17, 23
9, 11, 11, 12, 15, 10, 17, 23 Swap
9, 11, 11, 12, 10, 15, 17, 23

Pass 5:

9, 11, 11, 10, 12, 15, 17, 23
9, 11, 11, 10, 12, 15, 17, 23
9, 11, 11, 10, 12, 15, 17, 23 Swap
9, 11, 10, 11, 12, 15, 17, 23

Pass 7:

9, 10, 11, 11, 12, 15, 17, 23
9, 10, 11, 11, 12, 15, 17, 23

Pass 2:

9, 11, 12, 15, 11, 17, 10, 23
9, 11, 12, 15, 11, 17, 10, 23
9, 11, 12, 15, 11, 17, 10, 23
9, 11, 12, 15, 11, 17, 10, 23 Swap
9, 11, 12, 11, 15, 17, 10, 23
9, 11, 12, 11, 15, 17, 10, 23 Swap
9, 11, 12, 11, 15, 10, 17, 23

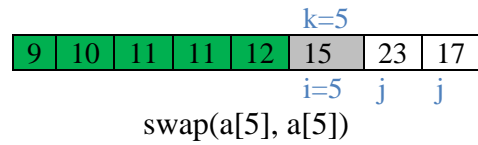
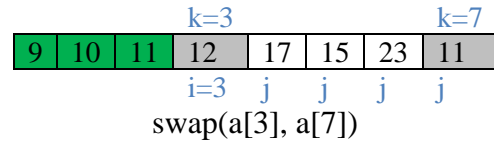
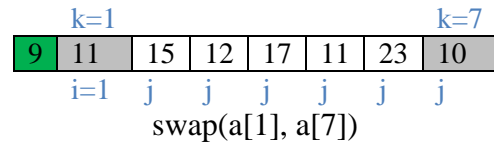
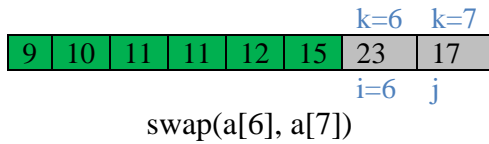
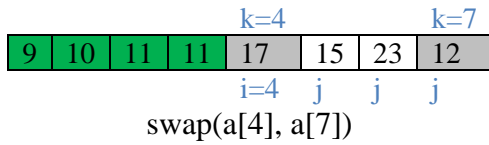
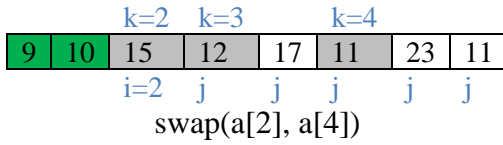
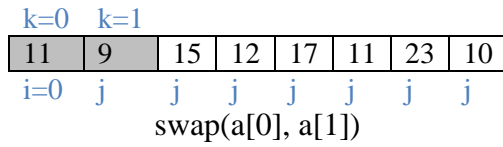
Pass 4:

9, 11, 11, 12, 10, 15, 17, 23
9, 11, 11, 12, 10, 15, 17, 23
9, 11, 11, 12, 10, 15, 17, 23
9, 11, 11, 12, 10, 15, 17, 23 Swap
9, 11, 11, 10, 12, 15, 17, 23

Pass 6:

9, 11, 10, 11, 12, 15, 17, 23
9, 11, 10, 11, 12, 15, 17, 23 Swap
9, 10, 11, 11, 12, 15, 17, 23

Selection Sort:



Insertion Sort:

