

Bubble Sort

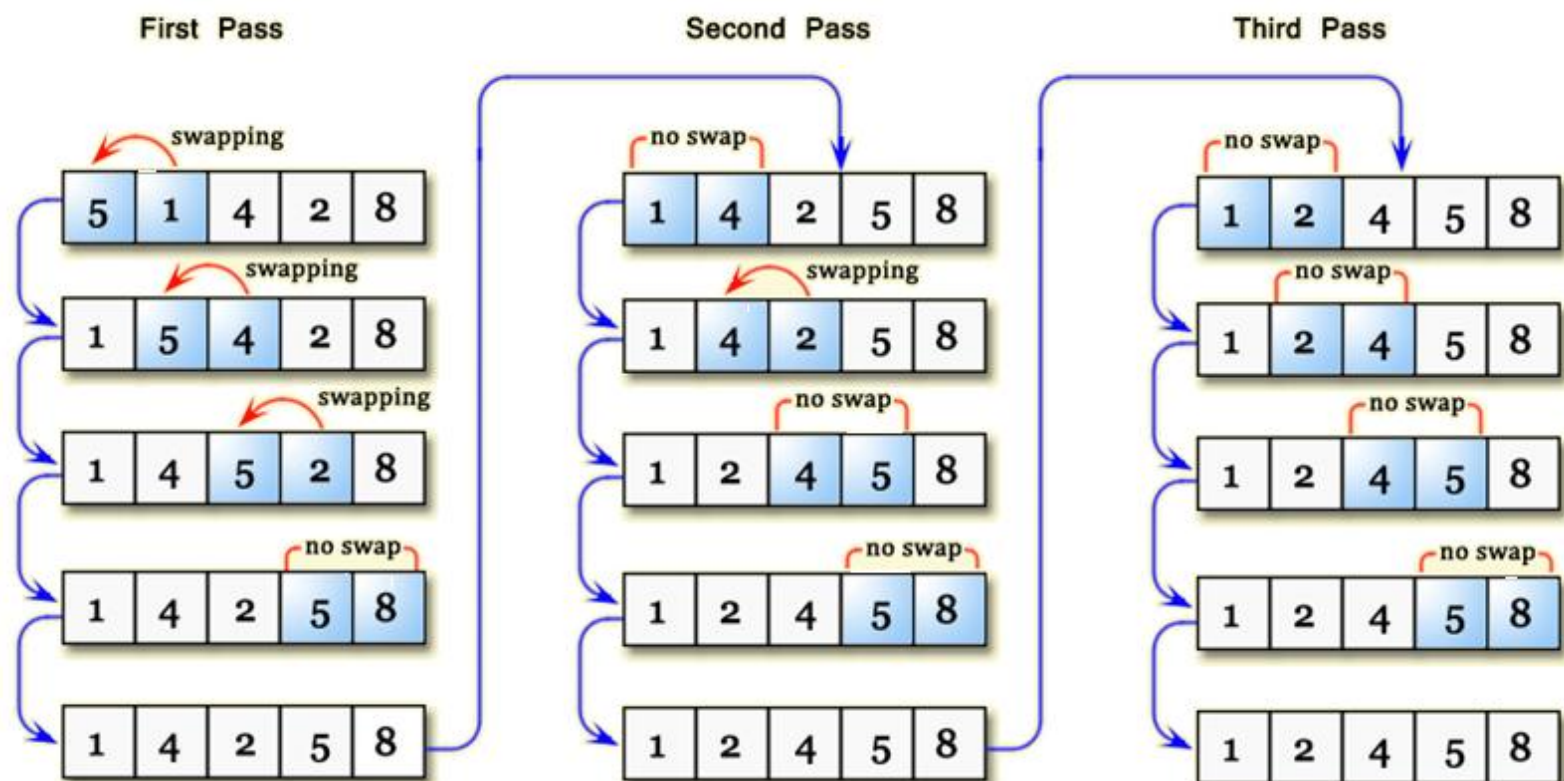
Bubble sort is a commonly used sorting algorithm. In this algorithm, two successive elements are compared and interchanging is done if the first element is greater than the second one. The elements are sorted in ascending order.

Example

Let us take an example of the following elements

5 1 4 2 8

Here apply the bubble sort algorithm to sort the elements.



Example	Output
<pre>def bubble_sort(list): for j in range(len(list)-1): for i in range(j): if list[i]>list[i+1]: temp = list[i] list[i] = list[i+1] list[i+1] = temp list = [1,4,2,5,8] bubble_sort(list) print(list)</pre>	<pre>[1, 2, 4, 5, 8]</pre>