

Best Case would happen where array; , sorted already and loops Duly one time which more our time complexing 0(n). trol nother Stable sorting algorithm is element are in order they will not be swapped. Merge Sout 0 When were up the two sorted suborrays the elements of lest subsuran will be placed just in the merged array if they are smaller to the clements they are being compared to in the right suburray, which makes this olgorith stable. Heap Sont This is an unstable algorithm as even is the elements are in order they might be swapped. Bubble Sont elements This is a Mobble sorting algorithm, because is one in order they will not be swapped.

