

SORTING TECHNIQUE

Sorting is arranging the elements on the specified order. Ascending order or in descending order. Commonly used sorting techniques are

- 1] Bubble sort
- 2] Selection sort
- 3] Insertion "
- 4] Shell " "
- 5] Quick " "
- 6] Merge " "
- 7] Array calculation " "
- 8] Heap " "

1] Bubble sort:

In bubble sort each successive elements are compared first element with second element, second element with third element is greater than the next element then they will be swapped. This process will be continued till the end of the array. At the end of the array highest element will be positioned to its rightmost position which sorted elements. By ignoring the sorted element repeat the above procedure for $n-1$ times. Where " N " is the size of the array at the end of $n-1$ th loop all the array elements will be sorted in ascending